2.3.1 Student centric methods, such as experiential learning, participative learning and problem-solving methodologies are used for learning experiences and teachers use ICT-enabled tools including online resources, effective teaching and learning process.

Bharati Vidyapeeth's College of Engineering, Lavale (BVCOEL) adopts student-centric learning approach using experiential learning, Problem-solving methodologies and Participative learning. This enhances learning experience of students.

1. **Experiential learning through:**

a) **Industrial Visit:** Industrial visits are arranged for students where they get experience through direct site visits. Also, during pandemic, virtual Industrial Visits were conducted using videos.

b) **Internship:** Students are encouraged to under take Internships at various companies which provide them opportunities to gain professional knowledge with hands-on experience and know about professional ethics and values.

2. **Participative learning:**

a) **Seminars:** As a part of curriculum, students present seminar on the relevant topics on emerging technologies and socio-technical issues, where they familiarized themselves with self-learning to improve knowledge. This also helps in improving communication and presentation skills.

b) **NSS Activity:** Students actively participate into activities of NSS, where students learn multiple life skills, such a leadership, societal, communication skills and problem solving.

c) **Expert Lectures:** The experts from industries deliver lectures and share their professional experiences. Students actively participate in expert lectures and gain industry exposure.

d) **Student's Participation in National and international Level Events:** Students participate in events such as Smart India Hackathon, GO-Karting, SAE-BAJA and UNESCO-India-Africa (UIA) Hackathon.

e) **Student Association:** Institute has various student associations such as CESA, ACES, MESA and BETA which provides platform for the students to learn management and leadership skills by organizing activities.

f) **Participation of students in cultural and sports event:** Institute promotes students to participate in sports and cultural events organized by affiliating university. An annual sports, cultural and tech-fest is organized to enable participation of all students.

3. **Problem-solving methodologies**

a) **Projects:** Mini projects, Project Based Learning and final year project courses are offered by university which enhances the problem solving skills of students.

b) **Class Assignments:** Subject specific Assignments are solved by the students to enhance their problem solving abilities.

c) **Case Studies:** Case studies help students to analyze and find solutions of stated problem.

ICT-enabled tools

The institute offers various ICT enabled Tools for enhancing teaching learning process.

a) **Smart Board and LCD projectors**: The classrooms are equipped with latest Smart boards, LCD projector and internet connection.

b) **DMS**: Data Management Server is available for students where subject related study material such as PPTs, Notes, Previous Year Question Papers, and videos are available.

c) **NDLI:** National Digital Library of India (NDLI) provides E-Books for students through NDLI Library

d) **VMEDULIFE:** Vmedulife ERP system is used by institute which helps the students, faculty for Outcome Based Education, Teaching & Learning and administration.

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COLLEGE OF ENGINEERING, LAVALE

(Affiliated to Savitribai Phule Pune University)
(NAAC Accredited)

Department of Engineering Science
A.Y. 2023-24
Semester I

Students Induction Program 2023-24

Schedule

SN	Date & Day	Time	Activity	Report Writeup by	Resource Person
1.	17/08/2023	9.30am to 11.30am	Address by Head of Department of Engineering Science and Dept. Visit	Dr. Shikha Bhardwaj	Dr. Shikha Bhardwaj FE HOD,BVCOEL
2.	17/08/2023	12.30 pm to 2.30 pm	Workshop on "Website Development"	Dr. Nidhi Jain	Mr. Ritesh Sharma, Digital marketer/web designer/content writer/facebook ads expert ISEO Consultant Venue : Central Ceminar Hall.
3.	17/08/2023	2.30 pm to 3.30 pm	Success Story	Dr. Nidhi Jain	Mr. Sumit Kumar, Google Cloud Facilitor. Venue : Central Ceminar Hall.
4.	18/08/2023	9.30am to 12.30am	Universal Human Values	Prof. Prashant Kadam	Mr. Shashikant C. Suryawanshi , Assistant Professor, English and Management studies in the department of Basic Science and Humanities at Bharati Vidyapeeth(Deemed to be university) college of

		to 2.30 pm	Workshop on Fine Arts	Dr. Shikha Bhardwaj	Dr. Charwad Venue: Central Seminar Hall.
6.	18/08/2023	2.30 pm to 3.30 pm	One minute games by students	Dr.Nidhi Jain	Students, BVCOEL.
7.	19/08/2023	9.30am to 11.30am	Yoga & Meditation	Dr. Jyoti Dhanke	Dr. Amruta Deshmukh, BAMS Yoga Practinioner Venue: Central Seminar Hall.
8.	19/08/2023	11.30 to 12.30pm	Motivational Activities	Dr. Nidhi Jain	All HOD's Venue: Central Seminar Hall
9.	21/08/2023	9.30am to 11.30am	Photography	Dr. Jyoti Dhanke	Ms. Parul Sood Venue: Central Seminar Hall
10.	21/08/2023	12.30pm to 4.30 pm	Explore the world through Music	Dr. Jyoti Dhanke	Mr. Shrikrishna Dhoble & Team Founder, Krishna's Music & Academy, Pune.
11.	22/08/23	9.30am to 11.30am	Enhancement of Ability	Dr.Nidhi Jain	Mrs. Dhanshree Pathak Self-Awareness & Wellbeing Coach, Counsellor(Psychology). Venue : Central Ceminar Hall.
12.	22/08/23	12.30pm to 1.30 pm	Painting	Dr.Nidhi Jain	Mr. Ganesh Sutar Experties: Sketching, Digital Painting, Wall Art, Freelancer, Pune.
13.	22/08/23	01.30 pm to 4.30 pm	Ganesh Idol Making	Dr.Nidhi Jain	Mr. Ganesh Sutar Experties: Sketching, Digital Painting, Wall Art, Freelancer, Pune.
14.	23/08/23	9.30 onwards	Field Visit - (Zapurza Art and Culture Museum.)	Prof. Prashant Kadam	Prof. Prashant Kadam & Dr. Nidhi Jain
15.	25/08/23	9.30 onwards	Industrial Visit - (Katraj Dairy & Bharati Musium)	Prof. Prashant Kadam	Prof. Prashant Kadam & Dr. Jyoti Dhanke

Organizer
Dr. Nidhi Jain

H.O.D.
Dr. Shikha Bhardwaj

Co-convenor
Prof. P.S. Kadam

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEEERING, LAVALE, PUNE 412 115.

Department of Engineering Science,

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Date: 24/08/2023

Topic Name: --"Field visit for understanding tradition and culture of Maharashtra "

Field Visit Places : - Zapurza Art and Culture Museum.

First Year students were taken to the Zapurza Art and Culture Museum situated in Kudje Village, Khadakwasla Lake Pune on 23 Auguest 2023.

Zapurza Art and Culture Museum

The concept behind the museum was to display the tradition and culture of Maharashtra, the museum is designed by Shirish Beri, from Kolhapur along with the curator Raju Sutar. The museum has a perfect setting, it is situated overlooking the Khadakwasla Lake with Sinhagad Fort in the backdrop. It covers an area of 7.5- 8 acres. The campus includes ten galleries, 195 seater auditorium, amphitheatre by the lake, multiple studios for various activities and a cafe.

During an interview Raju Sutar the curator of the museum said that the ides behind the museum was to make it welcoming and open to all, in contrast to an intimidating grand facade generally portrayed by the museums. The colour pallette of the museum is composed of earthy tones, by using traditional materials such as stone masonry, pitched roof with terracotta tiles.

The museum displays the collection of Ajit Gadgil, accumulated over the period of 25 years. He is the sixth generation of a family of jewellers from Pune and when people came to pawn of their family heirloom, he admired the craftsmanship and knew how invaluable the pieces are, he did not have the heart to melts them, hence he started collecting the interesting pieces. Apart from the jewelry, people also brought paithani sarees with real gold jari, the process to attract the gold from the jari included burning the sari, however, Gadil never burnt these sarees and added it to his collection. Thus, Gadgil started his journey of collection sculptures, paintings, artefacts, textiles, lamps, prints and silverware. He has collected around 1500 objects and only 30-35 percent can be displayed at time, museum rotates its collection, so, all the pieces could be displayed.

The museum consists of eight galleries,

Gallery one exhibits work of modern and contemporary artists including Rabindranath Tagore, FN Souza, S.H. Raza, Jamini Roy, Tyeb Mehta, M. V. Dhurandhar, and Raja Ravi Varma.

Gallery two is called "light of world", dedicated to fire, it depicts the history and objects of fire starting from lighting fire in a forest to modern day electric lamps.

Gallery three, talks about the history of printing and how it had change the mode of communication and transfer of knowledge.

Gallery four is dedicated to neo tantric artist Prabhakar Barve, his works range from abstract to surreal.

Gallery five, displays the Indian tradition of weaving its own fabric ranging from silk to cotton , which was also imported to Roman Empire, the gallery consists of a large collection of Paithani sarees.

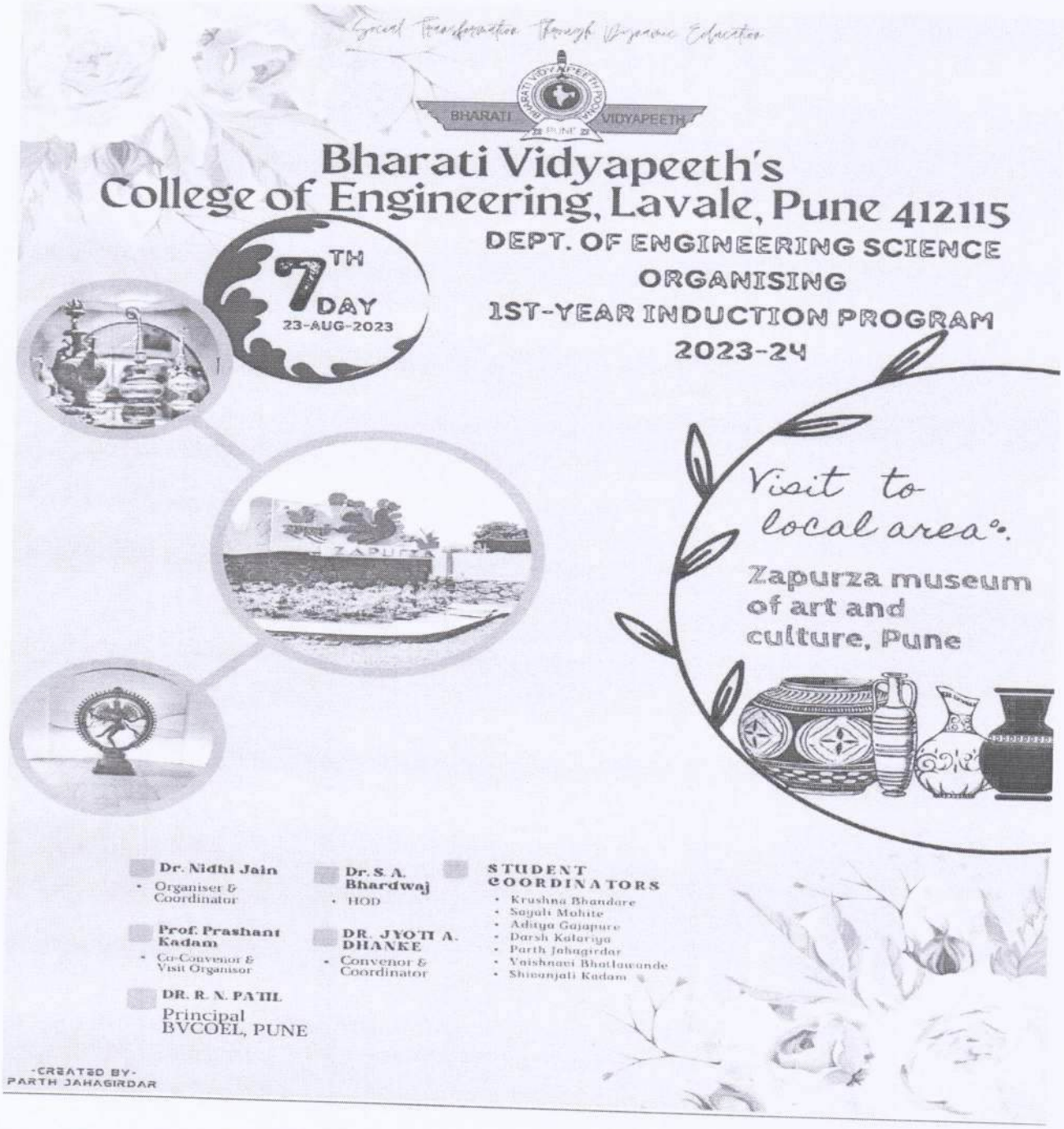
Gallery six has a display of jewellery from Maharashtra, which has a unique deign combining chatai (mesh work), beads and embossing. Galley seven is representation of Maharashtra school of thought, which mainly dedicated to Bhakti Movement, most of the art originated in Maharashtra was dedicated to religion, paintings and sculptures were created to decorate the temples and pilgrimage areas and music kirtan was believed to be a form of worship. Gallery eight is an exhibit by Jayant B Joshi.Textile Gallery - Saree Exhibition.

Gallery seven displays the works of artists from Sir J. J. School of Art which includes The Bombay School, such as S. L. Haldankar, known for his watercolours and Abalal Rahiman, pioneer of Kolhapur School of European Naturalism. A painting by MV Dhurandhar displays a woman with a saree pallu over her head, holding three spherical fruits and staring out of the frame. The work was credited to Baburao Painter, although during conservation the signature of MV Dhurandhar was revealed.

The visit was organized and coordinate by Prof. Prashant Kadam, Assistant Professor and also coordinate by Dr. Nidhi Jain, Assistant Professor Engineering Science department under the guidance of Principal Dr. R.N. Patil and Head of Engineering Science Department Dr. S.A.Bhardwaj.

Facebook Link –

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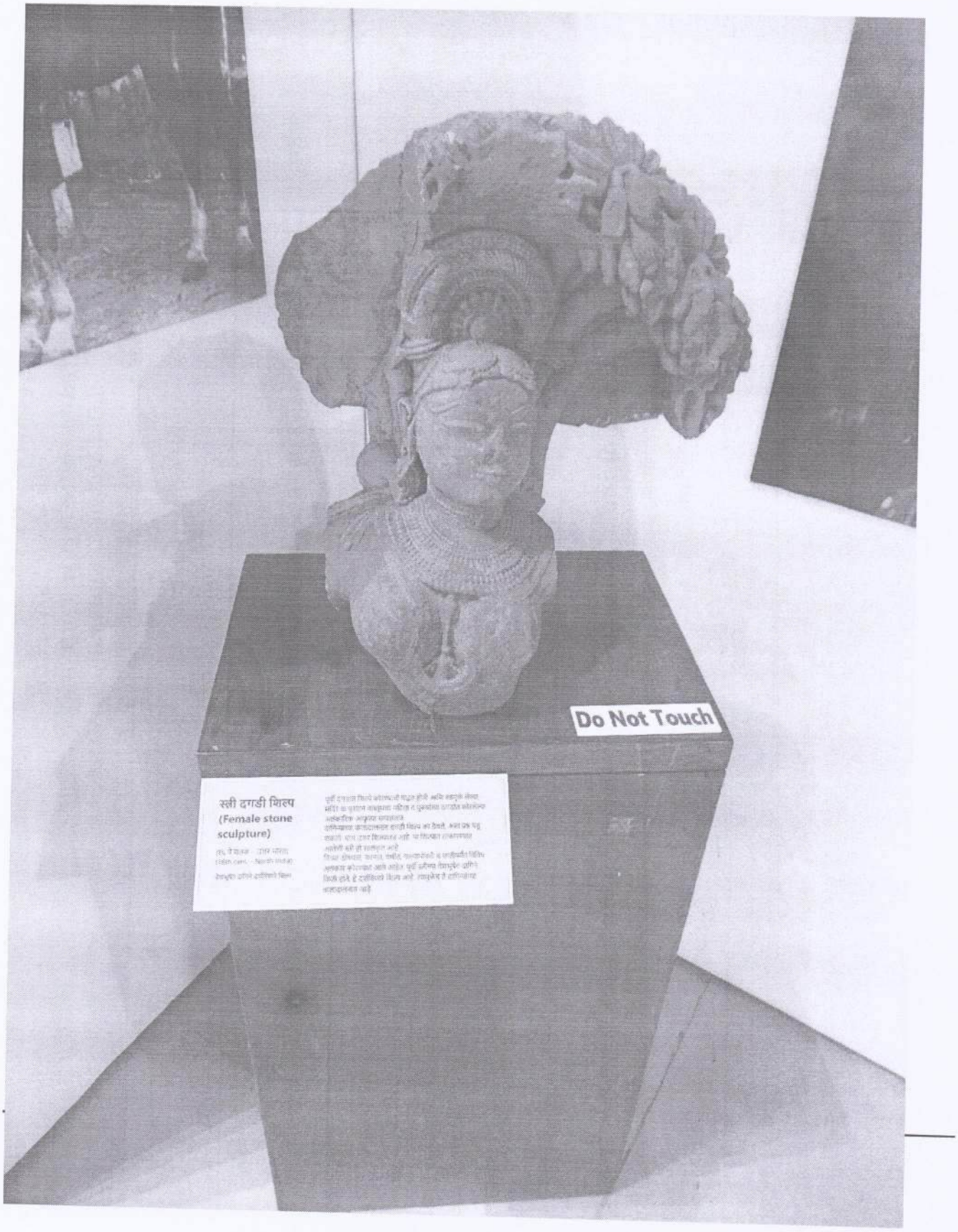


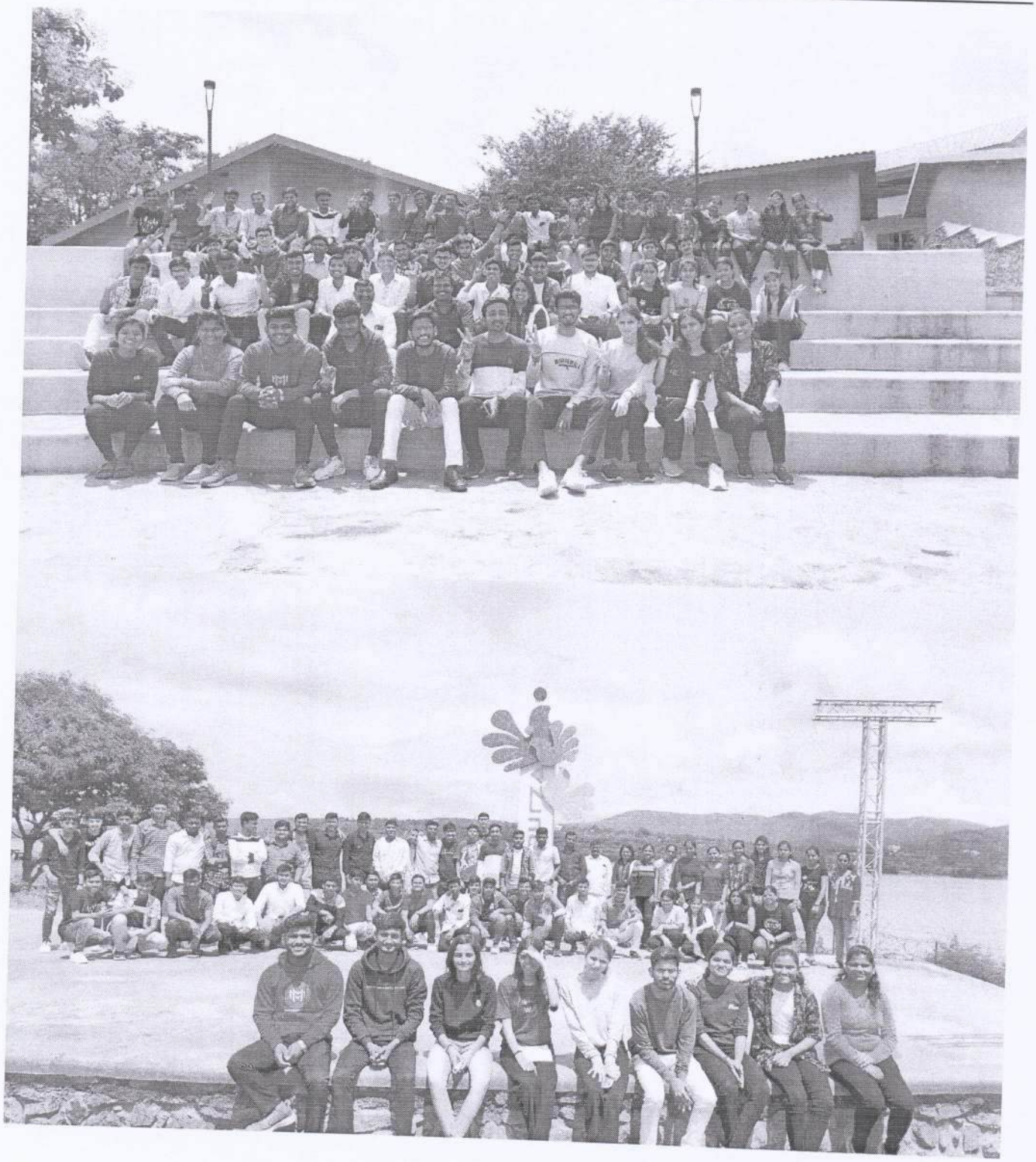
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COLLEGE OF ENGINEEERING, LAVALE, PUNE 412 115.

Department of Engineering Science,

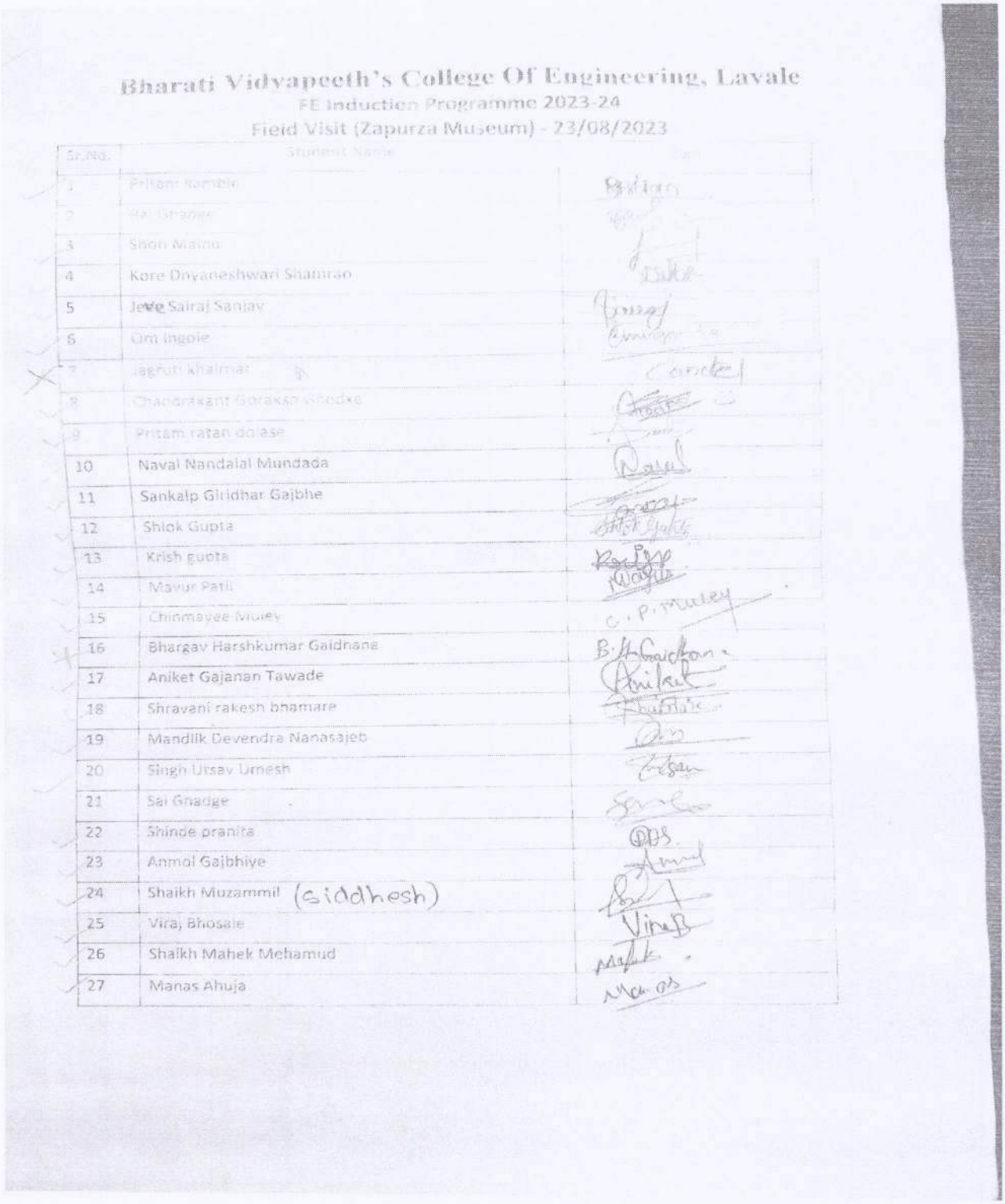
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Bharati Vidyapeeth's College Of Engineering, Lavale

FE Induction Programme 2023-24

Field Visit (Zapurza Museum) - 23/08/2023

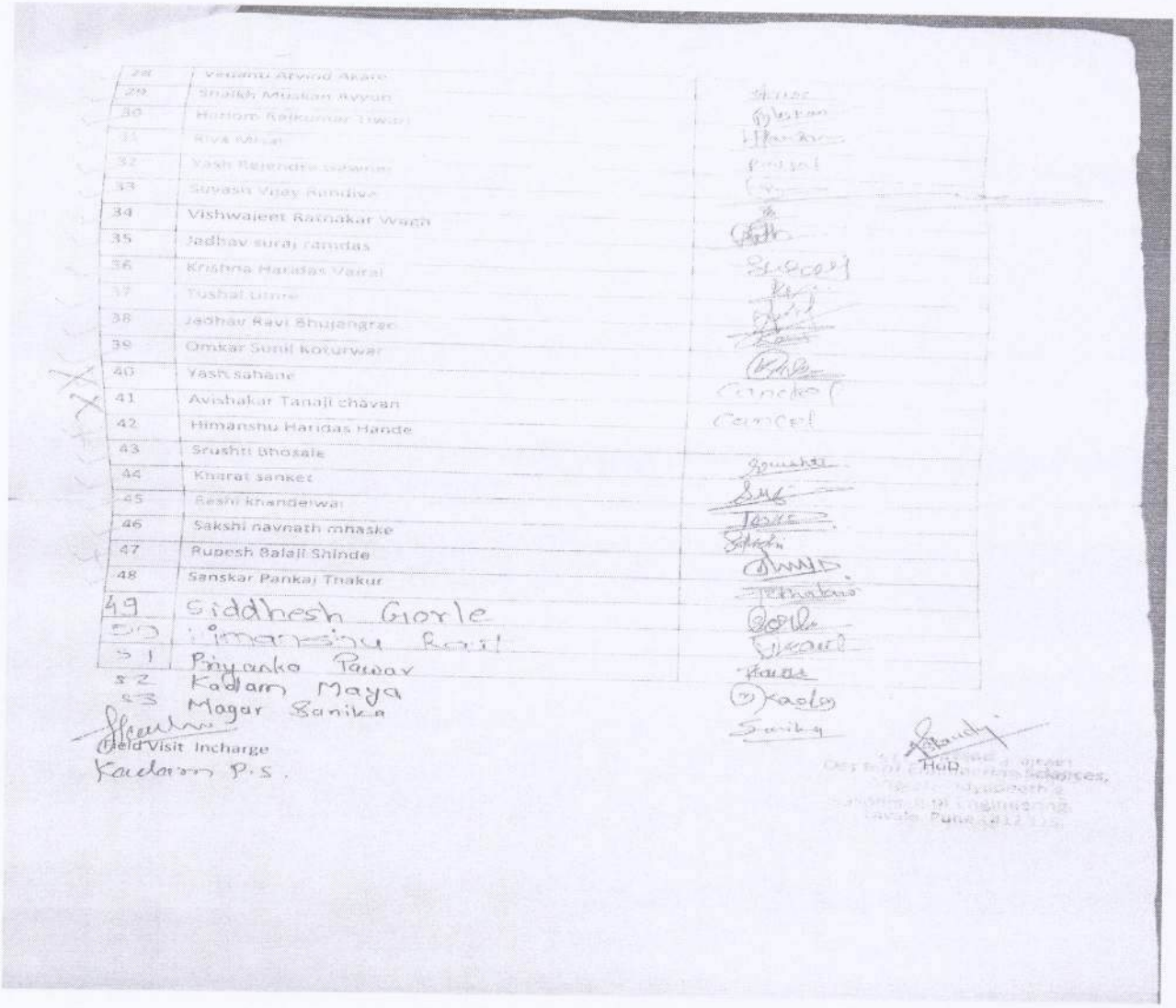
Sr.No.	Student Name	Sign
1	Pritam kamble	
2	Rai Ghadge	
3	Shon Mario	
4	Kore Dnyaneshwari Shamrao	
5	Jeve Sairaj Sanjay	
6	Om Ingole	
7	Jagruti khairnar	
8	Chandrakant Gorakan bhodke	
9	Pritam ratan dolase	
10	Naval Nandalal Mundada	
11	Sankalp Giridhar Gajbhe	
12	Shlok Gupta	
13	Krish guota	
14	Mayur Patil	
15	Chinmayee Muley	
16	Bhargav Harshkumar Gaidhane	
17	Aniket Gajanan Tawade	
18	Shravani rakesh bhamare	
19	Mandlik Devendra Nanasajeb	
20	Singh Utsav Umesh	
21	Sai Ghadge	
22	Shinde pranita	
23	Anmol Gajbhiye	
24	Shaikh Muzammil (siddhesh)	
25	Viraj Bhosale	
26	Shaikh Mahek Mehamud	
27	Manas Ahuja	

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29	Shaikh Mussan Ayyub	
30	Hariom Rajkumar Tiwari	
31	Riva Mittal	
32	Yash Rajendra Salvekar	
33	Suvash Vijay Nandiva	
34	Vishwajeet Ratnakar Wagh	
35	Jadhav suraj ramdas	
36	Krishna Haridas Vairal	
37	Tushal Unne	
38	Jadhav Ravi Bhujangrao	
39	Omkar Sunil Koturwar	
40	Yash sahane	
41	Avishakar Tanaji chavan	Cancel
42	Himanshu Haridas Hande	Cancel
43	Srushti Bhosale	
44	Kharat sanket	
45	Rashi khandelwal	
46	Sakshi navnath mhaske	
47	Rupesh Balaji Shinde	
48	Sanskar Pankaj Thakur	
49	Siddhesh Giorle	
50	Himanshu Rai	
51	Priyanka Pawar	
52	Kadam Maya	
53	Magar Sanika	

Field Visit Incharge
Kadam P.S.

HoD

Dr.Nidhi Jain

Organizer & Coordinator

Prof. Prashant Kadam

Organizer & Coordinator

Dr. Shikha Bhardwaj

HOD

Dr. Jyoti Dhanke

Convenor and coordinator

Dr.R.N.Patil

Principal

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Date: 26/08/2023

Topic Name: --"Industrial visit for understanding process of dairy plant "

Field Visit Places : - Katraj Dairy.

First Year students were taken to the Katraj Dairy Plant ta Katraj, Pune on 25 Auguest 2023.

Katraj Dairy

Katraj Dairy within the jurisdiction of Pune Municipal Corporation. Katraj is famous for its Peshwa-era (18th century) lake that supplied water to the city during that period. The village lies at the foot of the Katraj Ghat or mountain pass on the main National Highway 4 connecting Pune with places south of the city, such as Kolhapur and Bangalore. In recent decades area surrounding the lake and the village of Katraj became part the City of Pune. The former rural area is now surrounded by residential complexes. The lakeside hosts the Rajiv Gandhi Zoological Park. Bharati Vidyapeeth, a deemed university, has its main campus here. A large Jain temple was built here in late 20th century.During an interview Raju Sutar the curator of the museum said that the ides behind the museum was to make it welcoming and open to all, in contrast to an intimidating grand facade generally portrayed by the museums. The colour pallette of the museum is composed of earthy tones, by using traditional materials such as stone masonry, pitched roof with terracotta tiles.

This visit began with video about katraj dairy. This video included and introduction about katarj dairy and its products, procedure of milk, transportation of milk, testing of milk and processing and pasteurization of milk and other dairy products etc. Mrs. H. G. Hambire showed the students hoe the milk processing by the machine from boiler, chiller etc. and also showed all the production department like flavored milk, ice cream , ghee etc.

The visit was organized and coordinate by Prof. Prashant Kadam, Assistant Professor and also organized and coordinate by Dr. Jyoti Dhanake , Assistant Professor Engineering Science department under the guidance of Principal Dr. R.N. Patil and Head of Engineering Science Department Dr. S.A.Bhardwaj.

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Social transformation through dynamic education

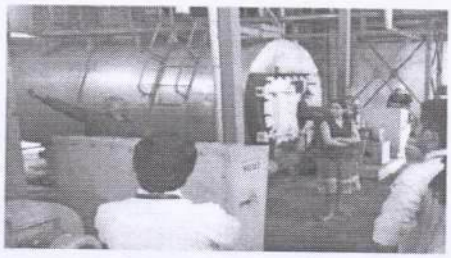
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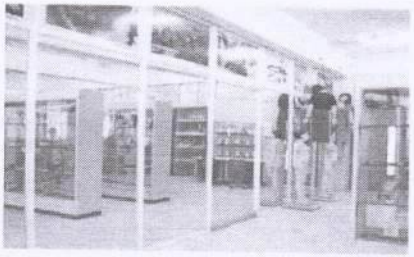
Department of Engineering Science organising 1st year Induction Program

INDUSTRIAL VISIT

at

Katraj Dairy and Bharati Museum





Dr. Shikha Bharadwaj (HOD- Engineering Science)

Prof. Prashant Kadam (Visit Organiser and co convener)

Dr. Nidhi Jain (organiser)

Dr. Jyoti Dhanke (convenor and visit Organiser)

Dr. R.N. Patil (Principal)

Student Coordinators: Yashika Aggarwal, Rohan Ambhore, Aditya Degaonkar, Abhishek Bharajkar, Prachi Girase, Nikita Bharate, Aakriti Singh, Devansh Asati, Prathamesh Pawar, Sanket Sutar, Sanskar Malkhedhe, Sanskruti Patil, Anjali Avashthi, Rohit Labade, Shruti Kadav

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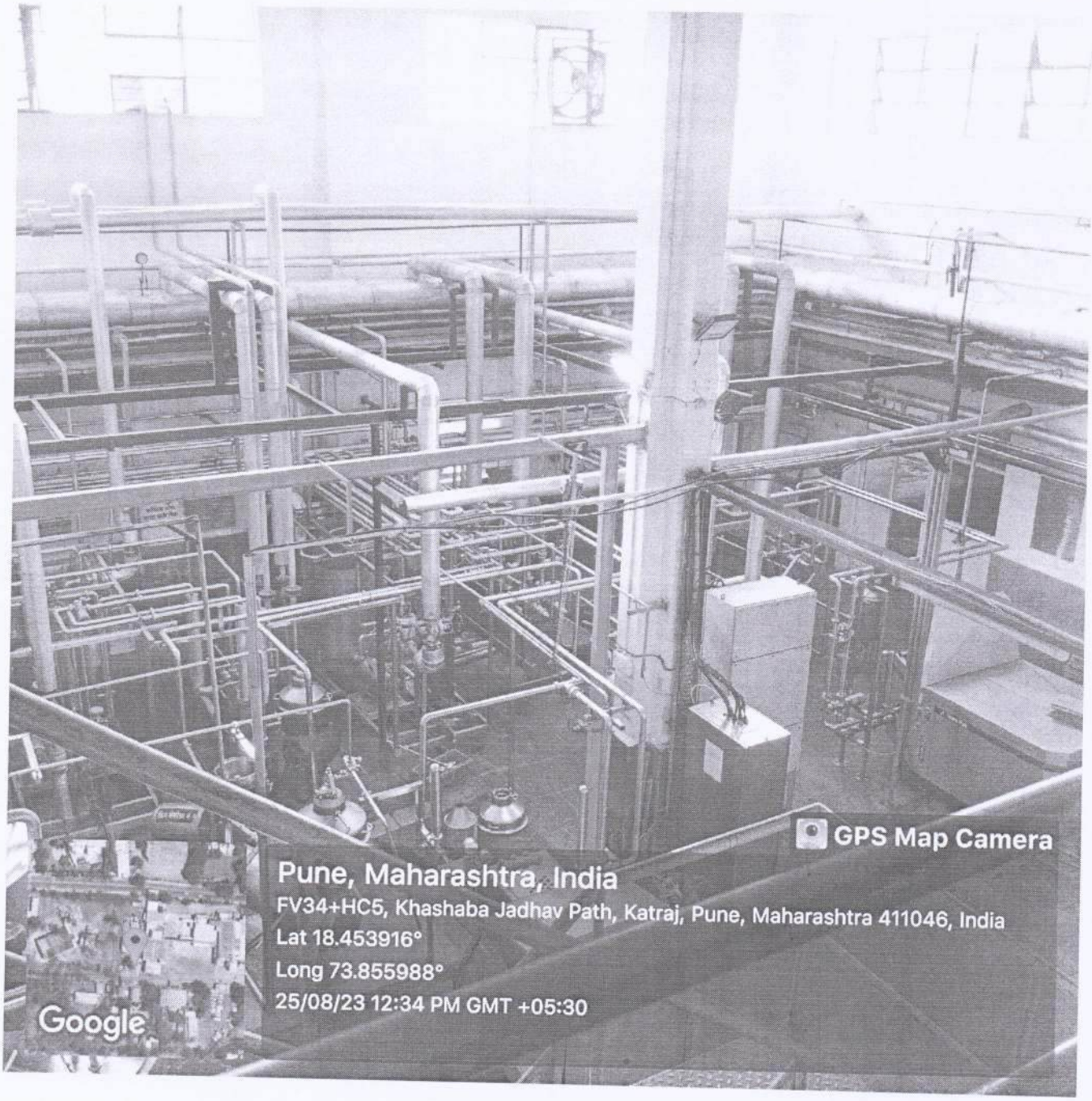


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Website: http://bvcoe.bharatividyapeeth.edu/index.php
Email: coelpune@bharatividyapeeth.edu

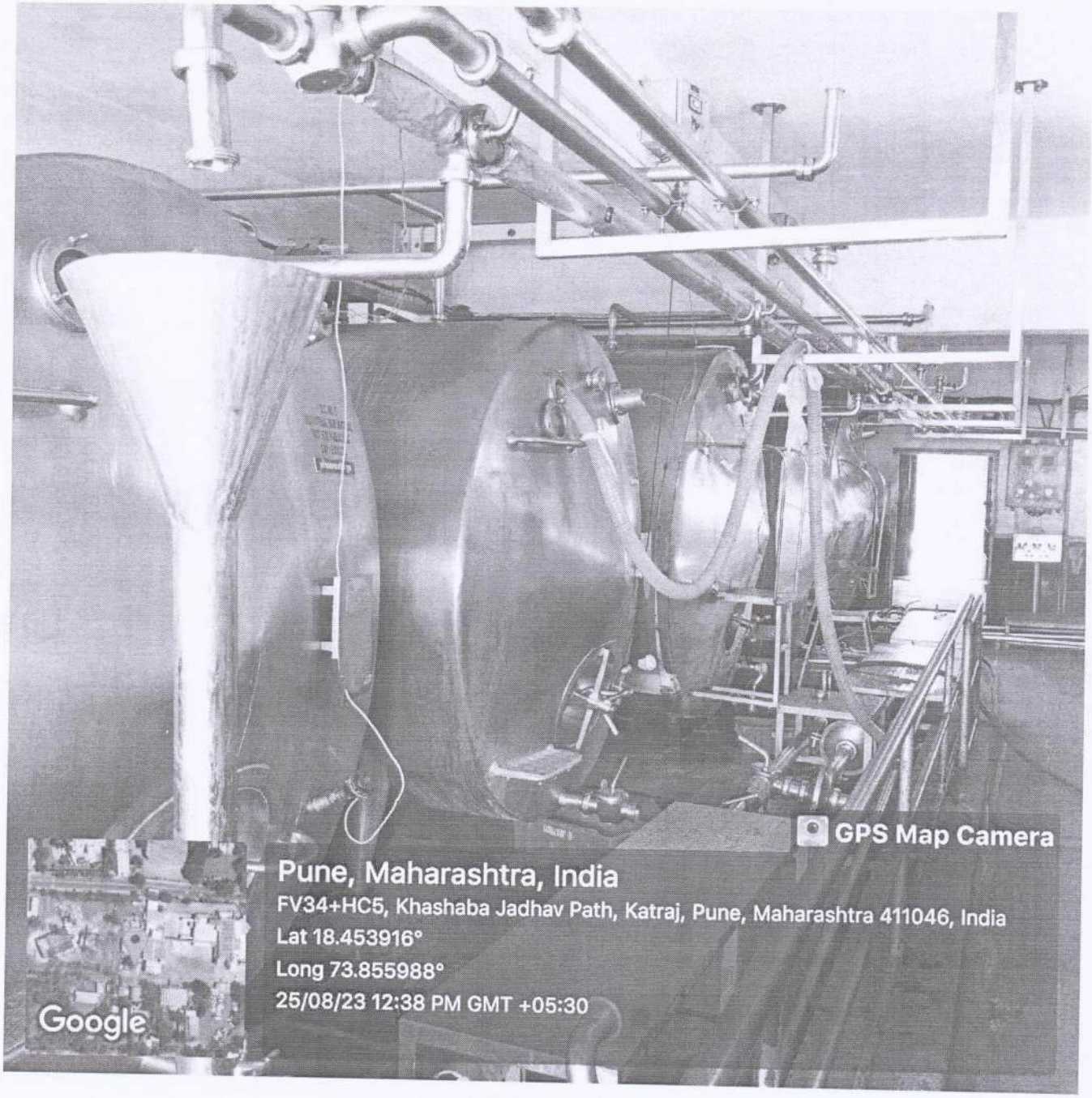
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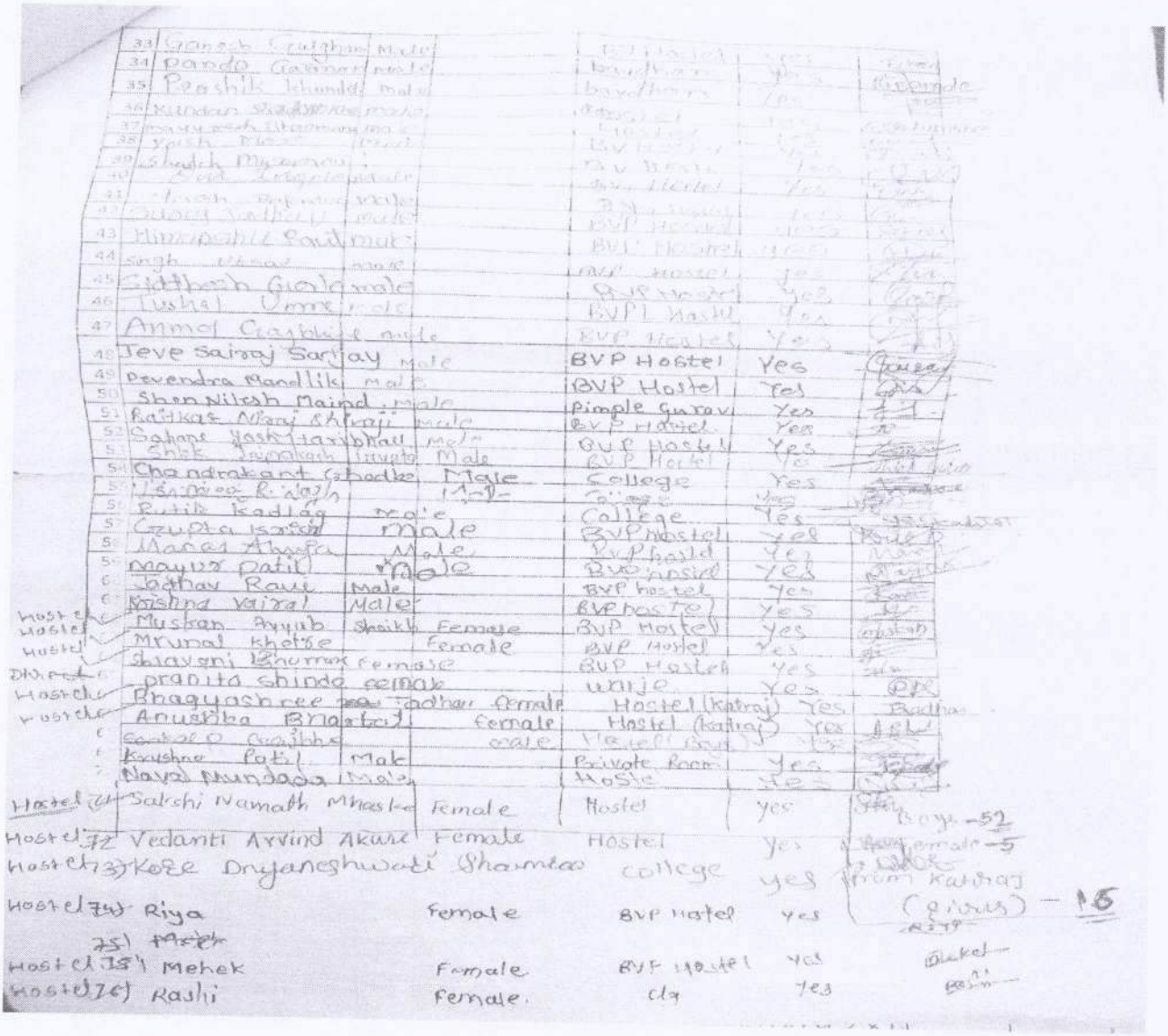

GPS Map Camera
Pune, Maharashtra, India
FV34+HC5, Khashaba Jadhav Path, Katraj, Pune, Maharashtra 411046, India
Lat 18.453916°
Long 73.855988°
25/08/23 12:38 PM GMT +05:30
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48	Jeve Sairaj Sanjay	Male	BVP Hostel	Yes	
49	Devendra Mandlik	Male	BVP Hostel	Yes	
50	Shantilesh Maind	Male	Pimple Gurav	Yes	
51	Kalkar Niraj Shivaji	Male	BVP Hostel	Yes	
52	Sahane Yash Harishchandra	Male	BVP Hostel	Yes	
53	Shaik Javedkhan Liyakat	Male	BVP Hostel	Yes	
54	Chandrakant Ghodke	Male	College	Yes	
55	Ashwini Kadlag	Female	College	Yes	
56	Rutik Kadlag	Male	College	Yes	
57	Gupta Ishan	Male	BVP Hostel	Yes	
58	Manas Ahuja	Male	BVP Hostel	Yes	
59	Mayur Patil	Male	BVP Hostel	Yes	
60	Jadhav Rahul	Male	BVP Hostel	Yes	
61	Krishna Vairal	Male	BVP Hostel	Yes	
62	Muskan Ayyub Shaikh	Female	BVP Hostel	Yes	
63	Mrunal Khetle	Female	BVP Hostel	Yes	
64	Shravani Sharma	Female	BVP Hostel	Yes	
65	pragita shinde	female	wanje	Yes	
66	Bhagyashree Jadhav	female	Hostel (Katraj)	Yes	
67	Anushka Bhalerao	female	Hostel (Katraj)	Yes	
68	Kaushal Patil	Male	Private Room	Yes	
69	Navya Nandoora	Female	Hostel	Yes	
70	Sakshi Namath	Female	Hostel	yes	
72	Vedanti Arvind Akure	Female	Hostel	Yes	
73	Kore Dnyaneshwari Shamrao		college	yes	from Katraj
74	Riya	Female	BVP Hostel	Yes	
75	~~Mehek~~				
76	Mehek	Female	BVP Hostel	Yes	
77	Rashi	Female		Yes	

Boys -52
Female -5
(9 girls) - 16

Dr. Jyoti Dhanke

Organizer & Coordinator

Prof. Prashant Kadam

Organizer & Coordinator

Dr. Shikha Bhardwaj

HOD

Dr.Nidhi Jain

Organizer

Dr.R.N.Patil

Principal

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Department of Civil Engineering

Site Visit Report: 2022-23

Subject	:	Design of Reinforced Concrete Structures
Topic	:	Visit the construction site to learn about reinforcement of one way , two way, cantilever slab , beam and column.
Subject Teacher	:	Prof.S.C.Mane
Class	:	TE
Date	:	16/05/2022
Location	:	Lavale, Tal- Mulashi, Pune.
Total Student Present	:	37

Description:

TE Civil students having Design of Reinforced concrete structures subject in the syllabus. It includes the topics such as reinforcement in slab, beams, column etc. Some of the students have faced difficulty in understanding the concept of reinforcement. In a view of this, following topics taught and students learnt their understanding through physical visit site.

1. Reinforcement details of slab, beam, etc.
2. Detailing continuous, cantilever slab etc.
3. Stirrups reinforcement
4. Slab, beam schedule

Students of TE civil are visited to under construction RCC residential building at Lavale. Students studied about reinforcement details of conventional slab. Different types of slabs and beam reinforcement was available on site

A conventional slab is classified as

One-way: Supported by beams on two opposite sides, main reinforcement in one direction.

Two-way: Supported by beams on all four sides, main reinforcement is along with both the directions

Cantilever slab- Supported at one side and main reinforcement is placed at top of slab.

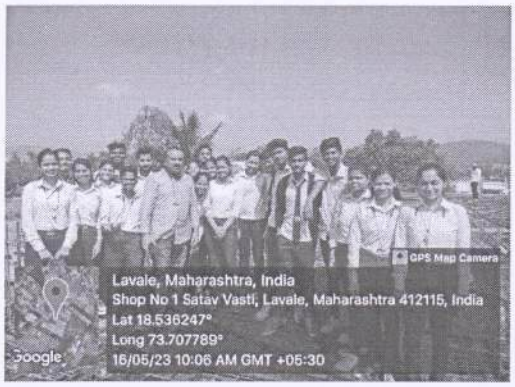
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Photo Gallery:



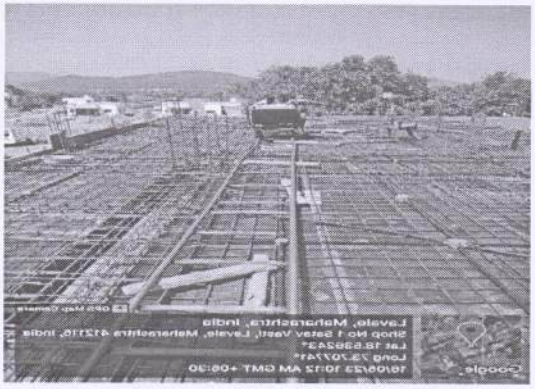


Photo No. 01. &02Students going through reinforcement structure design on site

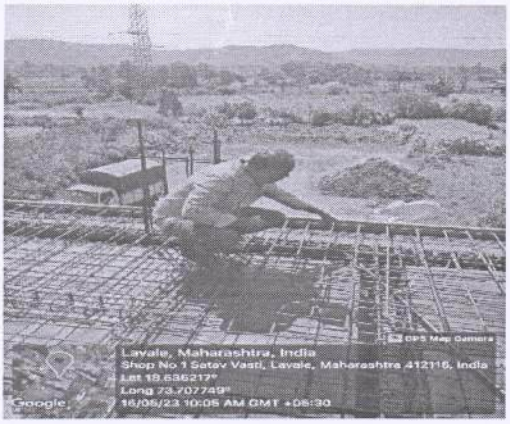




Photo No. 03. & 04.Students visit to reinforcement structure of slab column and beam.

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Department of Civil Engineering

Experiential Learning Report: 2022-2023

Subject	:	Architecture and Town Planning
Topic	:	Visit to Sus Village to understand town planning concepts.
Subject Teacher	:	Prof. N. A. Gangurde
Class	:	TE
Date	:	16/05/2023
Total Student Present	:	12

Description:

The development of villages outside the boundary of the Pune Municipal Corporation (PMC) typically involves a combination of factors and strategies aimed at improving infrastructure, services, and the overall quality of life in these areas. Here are some common aspects of the development process for villages located outside the PMC boundary:

1. Local Governance: Villages outside the PMC boundary are usually governed by their respective Gram Panchayats or local governing bodies. The development process involves empowering these local bodies by providing them with necessary resources, training, and support to effectively manage and govern the villages.
2. Infrastructure Development: One of the primary focuses of village development is the improvement of infrastructure. This includes the construction or upgrading of roads, bridges, water supply systems, sewage and drainage networks, electricity distribution, and telecommunications. Developing robust infrastructure facilitates better connectivity, access to basic services, and overall development of the villages.
3. Housing and Sanitation: The development process often includes initiatives for housing and sanitation improvements. This can involve providing affordable housing options, upgrading existing housing infrastructure, promoting sanitation facilities such as toilets, and implementing waste management systems.
4. Social Services: Enhancing social services is an essential aspect of village development. This includes improving access to education, healthcare facilities, and other essential services. Initiatives may include the establishment of schools, healthcare centers, community halls, and other social infrastructure that cater to the needs of the local population.
5. Economic Development: The development of villages outside the PMC boundary often involves promoting economic growth and livelihood opportunities. This may include supporting agricultural practices, promoting local industries, facilitating skill development programs, and encouraging entrepreneurship. Access to credit facilities, market linkages, and infrastructure for commercial activities are also vital for economic development.
6. Natural Resource Management: Given that villages outside the PMC boundary are often located in rural areas with natural resources, sustainable resource management is crucial. Encouraging practices such as water conservation, watershed management,

afforestation, and renewable energy adoption can contribute to environmental sustainability and economic well-being.

7. Capacity Building and Awareness: Development efforts also include capacity building programs and awareness campaigns to empower the local community. This can involve providing training, knowledge sharing, and skill development initiatives to enhance the capabilities of the residents in various areas, such as governance, entrepreneurship, agriculture, and environmental conservation.
8. Stakeholder Collaboration: Successful village development often requires collaboration between various stakeholders, including government agencies, local authorities, community organizations, non-governmental organizations (NGOs), and private sector entities. Engaging all relevant stakeholders and promoting participatory approaches can help ensure that the development process is inclusive and aligns with the needs and aspirations of the local population.

It's important to note that the specific development plans and strategies may vary depending on the local context, resources available, and the priorities of the respective governing bodies. The involvement and active participation of the local community are key to sustainable and inclusive village development.

The Pune Metropolitan Region Development Authority (PMRDA) plays a significant role in the development of villages outside Pune by promoting planned and sustainable growth in the region. Here are some key roles and responsibilities of PMRDA in the development of villages outside Pune:

1. Planning and Regulation: PMRDA is responsible for preparing and implementing regional development plans for the entire Pune Metropolitan Region (PMR), which includes villages outside Pune. The authority formulates land use plans, infrastructure development plans, and zoning regulations to guide the growth and development of these areas in a systematic and coordinated manner.
2. Infrastructure Development: PMRDA focuses on the development of critical infrastructure in the villages outside Pune. This includes the planning and execution of road networks, transportation systems, water supply and sewage systems, drainage networks, and other essential infrastructure. By investing in and improving infrastructure, PMRDA aims to enhance connectivity, promote economic activities, and improve the quality of life in these areas.
3. Urbanization and Housing: PMRDA plays a crucial role in managing urbanization and housing development in the villages outside Pune. It facilitates the creation of affordable housing options, ensures access to basic amenities, and promotes sustainable urban development practices. PMRDA works to balance the needs of urbanization with the preservation of the local environment and cultural heritage.
4. Industrial and Economic Development: PMRDA focuses on attracting investments, promoting industrial growth, and fostering economic development in the villages outside Pune. It identifies suitable locations for industrial zones, business parks, and special economic zones (SEZs) to encourage job creation and entrepreneurship. PMRDA also facilitates the development of infrastructure and services to support industrial and economic activities.
5. Environment and Sustainability: PMRDA emphasizes environmental conservation and sustainability in its development initiatives. It incorporates measures to protect natural

resources, promote green initiatives, and encourage the adoption of renewable energy sources. PMRDA also promotes sustainable practices in areas such as waste management, water conservation, and eco-friendly transportation.

6. Integrated Transport and Connectivity: PMRDA aims to enhance transportation and connectivity in the villages outside Pune. It plans and implements integrated transport systems, including road networks, public transportation, and multimodal connectivity. This enables efficient movement of people and goods, supports economic activities, and improves accessibility for residents.
7. Stakeholder Engagement and Collaboration: PMRDA actively engages with various stakeholders, including local authorities, government agencies, community organizations, and private sector entities. It encourages participation, consultation, and collaboration to ensure that development plans align with the needs and aspirations of the local population. This approach promotes inclusive and sustainable development.

By taking on these roles, PMRDA acts as a catalyst for balanced and coordinated development in the villages outside Pune. Its efforts contribute to the overall progress, economic growth, and improved quality of life in the entire Pune Metropolitan Region.

Sus Village, located in Pune, India, holds strategic importance in the overall development of the city due to several factors:

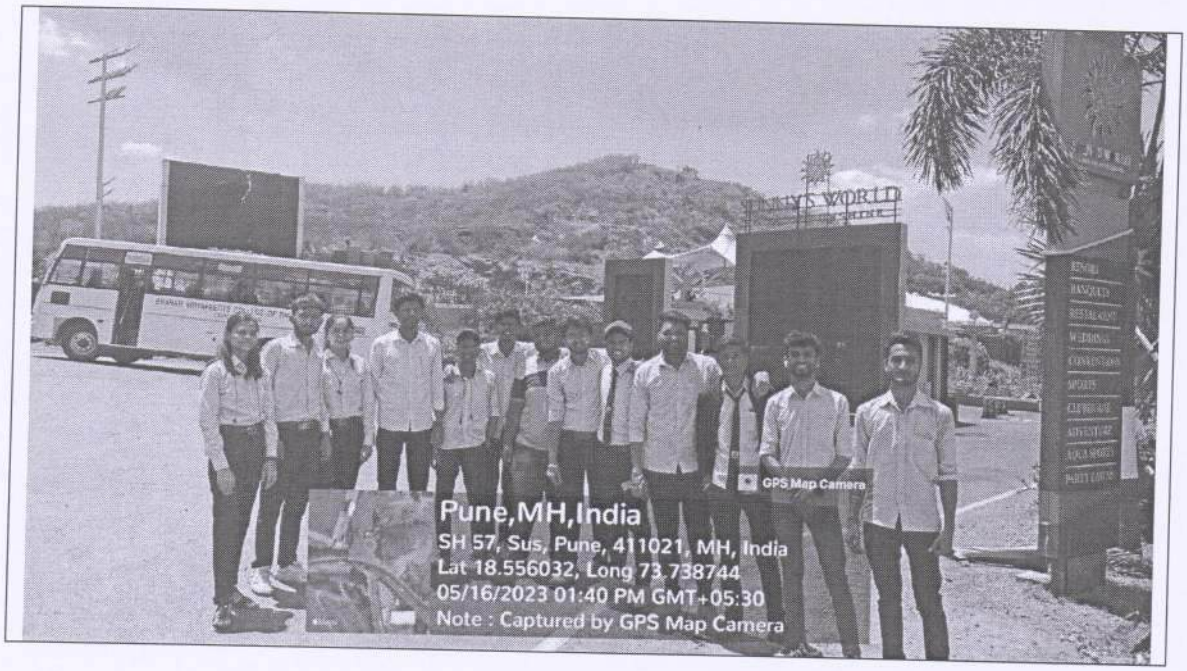
1. Geographic Location: Sus Village enjoys a prime location in the western part of Pune. It is situated in close proximity to the IT hubs of Hinjewadi and Baner, which are major employment centers in the city. This strategic location makes Sus Village an attractive residential option for professionals working in these areas, contributing to the overall development and growth of Pune.
2. Residential Hub: Over the years, Sus Village has witnessed rapid urbanization and has emerged as a prominent residential hub. The availability of land for development has led to the construction of numerous residential complexes, apartments, and gated communities. This has resulted in an increased population and the establishment of essential amenities such as schools, hospitals, shopping centers, and entertainment facilities, thereby contributing to the overall development of Pune.
3. Infrastructure Development: The development of Sus Village has also led to the improvement of infrastructure in the surrounding areas. The construction of roads, bridges, and flyovers has enhanced connectivity within and beyond the village, improving the overall transportation network in Pune. The presence of good roads and connectivity to major highways has made Sus Village easily accessible from other parts of the city, facilitating trade, commerce, and economic activities.
4. Employment Opportunities: The proximity of Sus Village to IT parks and industrial areas has opened up employment opportunities for the local population and residents of Pune. The presence of numerous multinational companies, IT firms, and business parks in nearby areas has created a demand for skilled professionals. This has not only attracted talent but has also stimulated the growth of ancillary industries, thereby contributing to the overall economic development of Pune.
5. Real Estate and Economic Growth: The development of Sus Village has had a positive impact on the real estate sector in Pune. The rise in residential and commercial projects has led to an increase in property values and investments. The growth of the

real estate market has generated employment, boosted local businesses, and contributed to the economic growth of Pune as a whole.

6. Environmental Factors: Sus Village is known for its green and serene surroundings. The presence of hills, open spaces, and natural beauty has made it an attractive destination for residents seeking a peaceful living environment away from the hustle and bustle of the city. The emphasis on preserving the natural ecosystem in and around Sus Village has led to the development of parks, recreational areas, and eco-friendly initiatives, promoting a sustainable approach to city development.

In conclusion, Sus Village's strategic importance lies in its favorable geographic location, role as a residential hub, infrastructure development, employment opportunities, contribution to the real estate sector, and focus on environmental sustainability. These factors collectively contribute to the overall development and progress of Pune city.

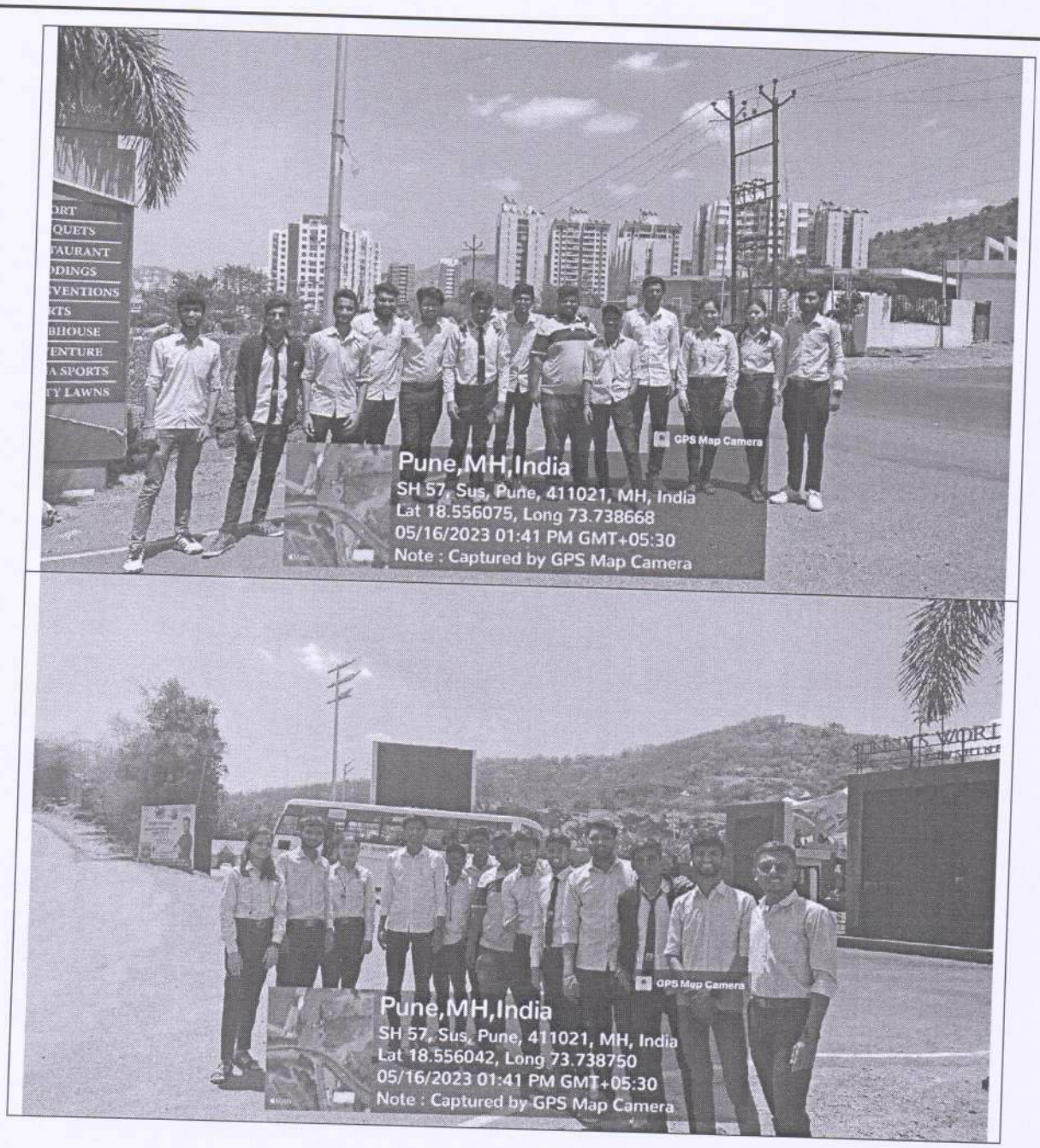
Photo Gallery:



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Department of Civil Engineering



Mr. N. A. Gangurde

(Assistant Professor)

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Phone: (020) 6500 3345, Website: bvcoe.bharatividyapeeth.edu

Department of Civil Engineering

Attendance:

Sr. No	Class	Name of the student
1	TE	Pradnya Shinde
2	TE	Kartik Chavan
3	TE	Rutuja Sawant
4	TE	Swapnil Pawar
5	TE	Tejas Pawar
6	TE	Dadasaheb Sarvagod
7	TE	Prafull Sonar
8	TE	Suhas Suryawanshi
9	TE	Mahesh Waghmare
10	TE	Atul Waysal
11	TE	Tushar Bhabad
12	TE	Zaid Sheikh

Total Student Present: 12

Mr. N. A. Gangurde

(Assistant Professor)

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Department of Civil Engineering

Experiential Learning Report: 2022-23

Subject	:	Design of Reinforced concrete structures
Topic	:	Visit the demo model of slab and beam to learn about reinforcement of one way , two way and cantilever slab
Subject Teacher	:	Prof.S.C.Mane
Class	:	TE
Date	:	13/04/2022
Total Student Present	:	28

Description: TE Civil students having Design of Reinforced concrete structures subject in the academic syllabus. It includes the basic topics such as reinforcement in slab. Some of the students have faced difficulty in understanding the concept of reinforcement. In a view of this, following topics taught and students learnt their understanding through physical visit site.

1. What is reinforcement in slab?
2. Types of slab such as one way,two way,cantilever,continuous slab.
3. Types of steel.
4. Distribution bars and main bar, bentup bars ,bottom mesh, top mesh all details of reinforced structure.

Photo Gallery:



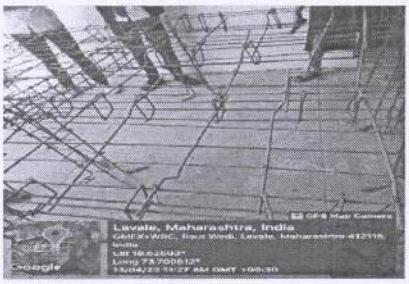


Photo No. 01. &02Students going through reinforcement structure design on site.

Faculty signature

Prof.S.C.Mane
(Assistant Professor)

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TE Civil students having Design of Reinforced concrete structures subject in the academic syllabus. It includes the basic topics such as reinforcement in slab. Some of the students have faced difficulty in understanding the concept of reinforcement. In a view of this, following topics taught and students learnt their understanding through physical visit site.

1. Reinforcement details.
2. Bentup bars in slab and beam.
3. Stirrup reinforcement

Photo Gallery:





Photo No. 03. & 04.Students visit to reinforcement structure of slab column and beam.

Faculty signature

Prof. S.C.Mane
(Assistant Professor)

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Phone: (020) 6500 3345, Website: bvcoe.bharatividyapeeth.edu

Department of Civil Engineering

Sr. No	Class	Name of the student
1	TE	BHABAD TUSHAR P.
2	TE	BHAGAT AMIT SANTOSH
3	TE	BHOSALE SHATANAND K.
4	TE	CHAVAN SAJAN ASHOK
5	TE	CHAVAN SHRADHESH S.
6	TE	CHAVHAN KARTIK SUNIL
7	TE	CHOUDHARI ROHIT M.
8	TE	GAIDHANI ASHITOSH B.
9	TE	GAIKWAD AJINKYA VIJAY
10	TE	GAIKWAD ROHIT ASHOK
11	TE	JAMADAR NAGESH SURESH
12	TE	KAMTHE KHUSHALI AJAY
13	TE	KHARAD PRATAP VITTHAL
14	TE	KOHALE RUSHIKESH V.
15	TE	LALGE VAIBHAVI M.
16	TE	MANDALE SHANTANU S.
17	TE	MANE PRANJALI VYANKAT
18	TE	MAWANDE YASH RAJIV
19	TE	NANDANWAR JHANVI DILIP
20	TE	NERKAR KALYANI NITIN
21	TE	PAITHANE ABHISHEK S.
22	TE	PARHATE TANMAY D.
23	TE	PATIL JEEVAN JAYWANT
24	TE	PATIL KIRAN KAILAS
25	TE	PATIL OMKAR BALASAHEB
26	TE	PATIL SHRAVANI SHARAD
27	TE	BHABAD TUSHAR P.
28	TE	BHAGAT AMIT SANTOSH

Total Student Present: 28

Faculty signature

Prof. S.C.Mane
(Assistant Professor)

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College of Engineering Lavale, Pune

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Department of Civil Engineering

Experiential Learning Report: 2021-2022

Subject	:	Transportation Engineering
Topic	:	Visit to Delhi Mumbal Express Way
Subject Teacher	:	Patil Uday Shankar
Class	:	BE Civil Sem-I
Date	:	**30/07/2021**

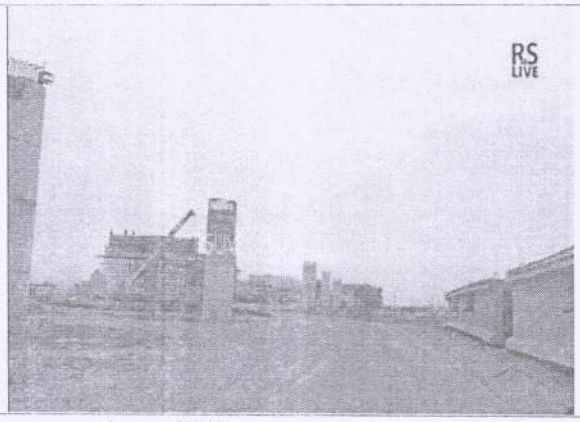
Description:

Bharati Vidyapeeth's college of Engineering Lavale, Department of civil Engineering has organised a virtual visit to Delhi Mumbai Expressway for students of final year. There we came to know that expressway will be ready till 2023.It will pass through the boarder of 265 villages of 18 tehsiles of seven district of Rajasthan. The work was divided into small packages (stretches) for faster construction and to enable medium-scale construction companies to take part. For example, the Delhi-Vadodara segment has been divided into 31 packages allotted to several companies. Packages 3 in Haryana is 74% completed , and packages in Rajasthan 70%. Delhi-Mumbai expressway will passing through Delhi , Haryana , Rajasthan , Madhya Pradesh , Gujarat , Maharashtra. It passes through the states of Delhi (9km), Haryana (129km), Rajasthan (373km), Madhya Pradesh (244km), Gujarat (426km), and Maharashtra (171km).

For the construction of the Expressway various Equipments were used for the construction Known by the major performance and high productivity , the 845B Motor Graders offers the technology , robustness , and saving that you need. It is equipped with proportional torque differential , limited slip antiskidding system, and features an engine with two power curves (150/173hp).

Photo Gallery:





Construction Equipments used at site , Construction of Pillars

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Work in Progress of A box Culvert



Students present for the virtual visit on 30/07/2021.

Dr.Patil Uday Patil

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Department of Civil Engineering

Experiential Learning Report: 2021-2022

Subject	:	Hydrology and Water Resources Engineering
Topic	:	Virtual Visit to Koyna Dam
Subject Teacher	:	Mr. N. A. Gangurde
Class	:	TE
Date	:	20/07/2021
Total Student Present	:	52

Description: As the world was suffering from COVID Pandemic, it was not possible to visit any Dam Physically. So as to avoid hamper of student academics, a virtual visit was arranged to get detail knowledge and lifelong learning of Dam and its parts. It is also content of a TE Civil syllabus under subject Hydrology and Water Resources Engineering

Students learned and understood some concepts and ideas regarding following,

1. Koyna Dam Site and Various Dimensions
2. Koyna Dam Project
3. Koyna Stage I, II, III, IV
4. Earthquake of 1967
5. Koyna Dam Foot Power House
6. Water Allocation

Attendance of Students is as Follows,

Full Name	User Action	Timestamp
Neeraj Arun Gangurde	Joined	7/20/2021, 10:09:02 AM
Pranjal Patil (Guest)	Joined before	7/20/2021, 10:09:02 AM
Ajinkya Vidhate	Joined before	7/20/2021, 10:09:02 AM
ANKIT MISHRA (Guest)	Joined before	7/20/2021, 10:09:02 AM
Mahesh Dhumal (Guest)	Joined before	7/20/2021, 10:09:02 AM
ADITYA KARANDE	Joined before	7/20/2021, 10:09:02 AM
Priyanka Khavare (Guest)	Joined before	7/20/2021, 10:09:02 AM
ABHIJEET BALA (Guest)	Joined before	7/20/2021, 10:09:02 AM
Vaishnavi Khande	Joined before	7/20/2021, 10:09:02 AM
Sonal Jagtap 61	Joined before	7/20/2021, 10:09:02 AM
GARGI BIJWE (Guest)	Joined before	7/20/2021, 10:09:02 AM
Pallavi Magade	Joined before	7/20/2021, 10:09:02 AM
Yashashree Patil (Guest)	Joined before	7/20/2021, 10:09:02 AM
Ashish Badge	Joined before	7/20/2021, 10:09:02 AM
30 Akshay T	Joined before	7/20/2021, 10:09:02 AM
Sweeti Nemade (Guest)	Joined before	7/20/2021, 10:09:02 AM
AKSHAT AGRAWAL (Guest)	Joined before	7/20/2021, 10:09:02 AM

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OMKAR DOMB	Joined before	7/20/2021, 10:09:02 AM
PRATHAM PANDILWAR (Guest)	Joined before	7/20/2021, 10:09:02 AM
Latika Sonawane (27)	Joined	7/20/2021, 10:09:43 AM
Atul Patil (Guest)	Joined	7/20/2021, 10:09:59 AM
RESHU SINGH (Guest)	Joined	7/20/2021, 10:10:04 AM
sakshi shinde (Guest)	Joined	7/20/2021, 10:10:12 AM
Sanket Kondvilakar (Guest)	Joined	7/20/2021, 10:10:30 AM
24- Narendrakumar Mittewad (Guest)	Joined	7/20/2021, 10:12:19 AM
Pawan Mali (Guest)	Joined	7/20/2021, 10:12:45 AM
Abhishek Bhosale (Guest)	Joined	7/20/2021, 10:13:01 AM
Swaraj Kadam (Guest)	Joined	7/20/2021, 10:13:32 AM
Aniruddha patil 51 (Guest)	Joined	7/20/2021, 10:13:48 AM
Jyoti Bhokre (Guest)	Joined	7/20/2021, 10:14:02 AM
Mohit Chavhan (Guest)	Joined	7/20/2021, 10:15:09 AM
Vishal Yamgar 25. (Guest)	Joined	7/20/2021, 10:15:09 AM
Siddhant Khindre (Guest)	Joined	7/20/2021, 10:15:16 AM
ketaki kothalkar 63 (Guest)	Joined	7/20/2021, 10:15:56 AM
Abhishek Paturkar (2) (Guest)	Joined	7/20/2021, 10:16:53 AM
Vishal Yamgar (Guest)	Joined	7/20/2021, 10:16:54 AM
Shubham Gullapelli (Guest)	Joined	7/20/2021, 10:17:14 AM
Aishwarya Dubole	Joined	7/20/2021, 10:18:02 AM
SAUMYA NAGRALE	Joined	7/20/2021, 10:18:26 AM
Vishal Yamgar. (Guest)	Joined	7/20/2021, 10:21:26 AM
Yash Suryawanshi (Guest)	Joined	7/20/2021, 10:21:56 AM
Antesh 51 (Guest)	Joined	7/20/2021, 10:23:18 AM
Jadhav Vasundhara (Guest)	Joined	7/20/2021, 10:24:17 AM
Gayatri Pandit (Guest)	Joined	7/20/2021, 10:24:44 AM
Kankshini Mendke	Joined	7/20/2021, 10:25:04 AM
Harshada Gawali	Joined	7/20/2021, 10:30:50 AM
Piyusha Shinde	Joined	7/20/2021, 10:31:43 AM
Atharva Ghogare (Guest)	Joined	7/20/2021, 10:35:35 AM
ishwar Bodake (Guest)	Joined	7/20/2021, 10:38:38 AM
Pallavi Magade (Guest)	Joined	7/20/2021, 10:39:27 AM
Prathamesh Gaikwad. (Guest)	Joined	7/20/2021, 10:44:19 AM

H.O.D
Civil Engineering
Bharati Vidyapeeth's
llege of Engineering Lavale,Pune

Mr. N. A. Gangurde
Assistant Professor

BharatiVidyapeeth College of Engineering
Lavale, Pune- 412 115, Maharashtra State.
Phone: (020) 6500 3345, Website: bvcoe.bharatividyapeeth.edu
Department of Mechanical Engineering

Date: 09/03/2023

NOTICE

All the students of **SE (Mechanical)** are hereby informed that an industrial visit under subject head **Manufacturing Process and Machine shop** is organized to **Vulkan Technologies Private Limited"** Urawade Road, Pirangut Industrial Area, Tal: Mulshi, Pune.

The Visit scheduled is as given below.

Date	Day	Reporting Time at visit location	Class
11/ 03/2023	Saturday	10:00 am	SE

Note:-

1. Shoes are mandatory. (Without shoes no one permitted for visit)
2. College uniform & I-card is compulsory.
3. The students report to Vulkan Technologies main gate at 09.45 am on 11/03/2023.
4. The students need to register for visit on or before 10/03/2023 by submitting Undertaking.

9.3.2023

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Mechanical Engineering
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College Of Engineering, Lavale Pune

Copy to:
1. ~~HOD~~ NB
2. Department office

202051 - Machine Shop

Teaching Scheme	Credits	Examination Scheme
Practical : 02 Hr./Week	01 Practical : 01	In-Semester : 30 Marks End-Semester : 70 Marks Term Work : 50 Marks

Prerequisite Courses

Workshop Practice

Course Objectives

1. To understand the basic procedures, types of equipment, tooling used for sand casting and metal forming processes through demonstrations and/(or) Industry visits..
2. To understand TIG/ MIG/ Resistance/Gas welding welding techniques.
3. To acquire skills to handle grinding and milling machine and to produce gear by milling.
4. To acquire skills to produce a composite part by manual process.

Course Outcomes

On completion of the course, learner will be able to

CO1. PERFORM welding using TIG/ MIG/ Resistance/Gas welding technique
CO2. MAKE Fibre-reinforced Composites by hand lay-up process or spray lay-up techniques
CO3. PERFORM cylindrical/surface grinding operation and CALCULATE its machining time
CO4. DETERMINE number of indexing movements required and acquire skills to PRODUCE a spur gear on a horizontal milling machine
CO5. PREPARE industry visit report
CO6. UNDERSTAND procedure of plastic processing

Guidelines for Laboratory Conduction

The student shall complete the following activity as a Term Work

Practical *(Select any One Practical from Practical # 1 & 2; Select any Five Practical from Practical # 3 to 8; Perform Total Six Practicals)*

1. To study and observe various stages of casting through demonstration of sand casting process from pattern making, sand mould preparation and melting and pouring of metal.
2. Visit to any foundry/ permanent mould casting industry to demonstrate various stages of casting and make a report on it.
3. A compulsory visit to any one metal forming industry out of: Rolling mill, Forging plant, Wire/Tube drawing unit and prepare a report on it.
4. A demonstration of any one welding technique out of TIG/ MIG/Resistance/Gas welding. A job drawing to be prepared by an individual institute with details of welding process parameters with weld joint design such as edge preparation, type and size of electrode used, welding current, voltage etc.
5. Manufacturing of Fibre-reinforced Composites by hand lay-up process or spray lay-up techniques.
6. Demonstration on any one plastic component like bottle, bottle caps, machine handles etc. by injection moulding process/ by additive manufacturing process.
7. Demonstration on cylindrical grinding/surface grinding operations, measurement of surface roughness produced and estimation of machining time.
8. Demonstration on indexing mechanism. Calculation of index crank and index plate movement by simple/compound/differential indexing and manufacture of spur gear on a milling machine using indexing head.

Instructions for Laboratory Conduction

Please note following instructions regarding Laboratory Conduction:

1. Industrial Visits to be conducted by the Teaching Faculty (subject Teacher).
2. Demonstration of Welding machines, Surface/Cylindrical Grinding, Milling machine, Indexing head and calculation of indexing to be taught by a subject Teacher in Practical slot.

RE: Bharati Vidyapeeth's COE Industry Visit

Kishor Thakur <lokring@Vulkanindia.com>
Thu 3/9/2023 4:56 PM
To: Sunilkumar Patil <sunilkumar.patil@bharatividyapeeth.edu>
Cc: MR.MANE ATISH B. <MANE.ATISH@bharatividyapeeth.edu>

Hello Sir,

This is to confirm that you can visit our factory along with your 25 students on 11Th March 2023 @10.30 Am.

During visit we try to give maximum information related to foundry operation hope this visit will help your students in their future studies/career.

Best Regards,

Kishor Thakur

Additional General Manager Production

Vulkan Technologies Pvt. Ltd.
Gat No.1097/1102, Urawade Road,
Pirangut, Tal.Mulshi Pune - 412115
Phone - [91-20] 66765601
Fax - [91-20]66765551
Mobile - 9860092053
lokring@vulkanindia.com
URL -www.vulkanindia.in

From: Sunilkumar Patil <sunilkumar.patil@bharatividyapeeth.edu>
Sent: Friday, February 3, 2023 2:05 PM
To: Kishor Thakur <lokring@Vulkanindia.com>
Cc: MR.MANE ATISH B. <MANE.ATISH@bharatividyapeeth.edu>
Subject: Bharati Vidyapeeth's COE Industry Visit

Dear Sir
As we discussed regarding Industrial Visit for students of Mechanical Engineering department. I request you to give permission to visit your Foundry shop for students study purpose. The tentative date of visit will be 1st week of March 2023. The number of students for visit will be 20 to 25 along with 3 faculty members. So please convey your convenient date of visit.

Thanks and Regards,

S. R. Patil

HOD and Asst. Prof. Mechanical Engineering,

Bharati Vidyapeeth's College of Engineering, Lavale, Pune.

Mobile No. +91-9096389644

VULKAN Technologies Pvt. Ltd.
Gat No. 539-B, Kasarambodi,
Tal. Mulshi, Dist. Pune (INDIA) 412 115.

Bharati Vidyapeeth's College of Engineering

Lavale, Pune- 412 115, Maharashtra State.
Phone: (020) 6500 3345, Website: bvcoe.bharatividyapeeth.edu

Date: 13/03/2023

Aim: To study the casting process.

Place of Industrial visit: Vulkan Technologies Private Limited, Village Kasar Amboli, Urawade Road, Pirangut Industrial Area, Tal: Mulshi Dist :,Pune

)nformation: For the SE Mechanical Engineering students the visit was arranged at Vulkan Technologies Private Limited, Village Kasar Amboli, Urawade Road, Pirangut Industrial Area, Tal: Mulshi Dist :,Pune as per the SPPU university syllabus to study about casting process on date 11 March 2023.

Mr.Kishor Thakur, Additional General Manager Production, gave a welcoming speech to us and introduced All Win steel Industry to the students. Thereafter he explained regarding the safety measure to be taken in the industry. He also motivated the students to be an Entrepreneur. Thereafter the students started the tour in the foundry. The main part of the foundry included the

- **SandCasting section**. ➢ Sand casting The students were made aware with the different steps in a sand casting process: 1. First they mixed the raw sand and the binder in the sand mixture machine. As a binder they used molasses. Then the mixed sand is used for sand casting in make the mold of the pattern in the cope and drag. Then they made the gate, runner, and riser which acts a passage for the molten metal. 2. For the purpose of melting the raw metal, they used Pit Furnace, Induction Furnace and Electric Resistance furnace. The molten metal was removed from the furnace with the help of tongs and crucible which had the temperature of 1000 to 1200° C and poured it in the mold. 3. Then they let it cool down and after that they opened cope and the required object is obtained. In heavy castings they use the CO2 gas to strengthen the casting sand. Students thoroughly understood the sand casting process as they spent around 2 hours in the same.

- **Centrifugal Casting** Shop Axis symmetric components can be manufactured by the centrifugal casting process. The students were shown and explained the working of the centrifugal process of casting. In this department they used Induction Furnace for the melting of the metal but unfortunately the furnace was not in working condition due to some technical issues. The students were also explained the working of Pyrometer- Temperature Measuring Device to check the temperature of the furnace

- **Gravity Die Casting Shop** In the third workshop the students were explained the gravity die casting .By the use of gravity die casting they are making the valves which is used in foot valves and pumps. The dies were not made by the company but were imported from other manufacturing unit and they just performed the casting process.

Date of an industrial visit: - 11 March 2023

Day of an industrial visit: -Saturday

Time of the visit: - 10.00 am to 12.30 pm

Total student strength visited: - 25

Class and year: - S.E. Mechanical

Purpose of Visit: - To study casting Process.

Name of the faculty members in this visit: 1. Prof. S R Patil 2. Prof. Atish Mane

Facebook Link-

https://m.facebook.com/story.php?story_fbid=pfbid036FhmMDaQHph3pskxLrTRq6ufmjhRKRBmJKCJDZLuQhhpibJB9mKuTu2NSiPWGzmyl&id=100063906408208&mibextid=Nif5oz

The glimpses of the same are as follows:



H. O. D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

BharatiVidyapeeth's College of Engineering
Lavale, Pune- 412 115, Maharashtra State.
Phone: (020) 6500 3345. Website: bvcoe.bharatividyapeeth.edu
Department of Mechanical Engineering

Letter of Undertaking for Industrial Visit given by Student

We undersigned year students of Mechanical Engineering Department Bharati Vidyapeeth's College of Engineering, Lavale, hereby declare that we are going for industrial visit to **"Vulkan Technologies Private Limited" Urawade Road, Pirangut Industrial Area, Tal: Mulshi, on 11 March 2023 (Saturday).** We undertake that we will cooperate with all my mates and will follow all the in instructions given by the faculty members. We will follow all the safety instructions given to us by the trainer or instructor and also follow the COVID appropriate behavior as per government of India norms. In case of any act of indiscipline or misbehavior by any of the students they shall owe responsibility and shall abide by the action/decision taken by the faculty members. I am the students of Bharati Vidyapeeth, and I will follow all the moral duties during the industrial visit.

S.no	Roll no	Name of students	Mobile number	Do you agree to follow above undertaking? (Yes/No)	Sign
1.	19	Sandesh Sable	8669077880	Yes	
2.	35	Somnath kale	8169448282	Yes	S. Gkale.
3	05	Atharva Gole	7774825148	yes	
4	04	Vishal Vishwakarma	7028108092	Yes	
5.	09	Mayur K. Wankhede	7559115113	Yes	
6	30	Shreyash. S. Pawar	7248910615	yes	
7.	12	Sanket Revane	7507843147	Yes	
8	08	Chetan Sapkale	9373266635	YES	Sapkale.
9.	06	Vishvajeet Shinde	9922097431	Yes.	V.S Shinde
10.	24	Profit Yelne	9960192036	Yes.	
11	34	Tushar sanjay Jadhav	7219332874	YES	
12	39	Pradhumesh Dhakane	9322001145	yes	
13	38	Neha Dhawan	7796220690	yes	
14	37	Aniket Bhosale	7977833716	yes	
15	01	Vyankatesh Gambhire	9307471469	Yes	
16	03	Nikhil Shinde	7499606767	yes	
17	44	Jai Kumar Jadhav	8177880012	Yes	

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S.no	Roll no	Name of students	Mobile number	Do you agree to follow above undertaking? (Yes/No)	Sign
01	07	Kamakshi Srivastava	7869386366	Yes	
02	23	Jishan Patel	9373677956	Yes	
03	01	Anshuman Lakkad	8669361576	yes	
04	06	Pratham Puttaiah	8468801876	yes	
05	21	Sarthak Dani	8999864942	Yes	
06	11	Adinath Patil	9307727009	Yes	
07	17	Manoj Rathod	9175727185	yes	
08	19	Vishwajeet Pisal	8080095011	yes	
09	15	Abhishek S. Jadhav	8600083061	Yes	
10	16	Mayur. P. Jadhav	9529102401	Yes	
11	12	Rafat Shaikh	7030728351	Yes	
12	39	Prabhanesh Bhakare	9322001145	Yes	
13	38	Nehru Bhavan	7796220690	Yes	
14	37	Aniket Bhosale	7977833716	Yes	

BHARATI VIDYAPEETH's
COLLEGE OF ENGINEERING, LAVALE, PUNE-15
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Experiential Learning 2022-23 Report

Subject: VLSI DESIGN & TECHNOLOGY
Year: BE E&TC 2019 Pattern
Date: 8/11/2022
Total Students attended: 14

THE STANDARD E-LEARNING TECHNIQUES ON VLSI DESIGN & TECHNOLOGY

Details: Experiential Learning is the process of learning by doing. By engaging students in Hands-on experiences and reflection, they are better able to connect theories and knowledge learned in the classroom to real-world situations.
BE E&TC students having VLSI DESIGN & TECHNOLOGY subject in the academic syllabus. In this subject students have faced difficulty in understanding the concept of VLSI Design and use of Simulation tools. In a view of this, a Lecture was conducted and introduced them with different E-learning tools.
Thus, by involving students in the in this Introduction of E-learning model, they understand the concept and learn.

E-learning platform provides anywhere, anytime easy access for upgradation of knowledge and skills. It provides a platform wherein the individual gets a customized package related to key thematic areas, through a self-guided process. Despite this, it is felt that the system of E-learning can be made more effective and result-oriented particularly in the Indian context. Number of new innovative strategies are developed for E-learning. Educational systems are thus looking to e-learning programs to substantially improve the quality and content of their education. Integrating e-learning to existing educational system can, however, be a major challenge. In the existing educational system, Very-large-scale integration (VLSI) is the process of creating an **integrated circuit** (IC) by combining thousands of **transistors** into a single chip. With the advent of very large scale integration (VLSI) designs, the number of applications of integrated circuits (ICs) in high-performance computing, controls, telecommunications, image and video processing, and consumer electronics has been rising at a very fast pace. There are number of online courses offered in VLSI design but not standard. This present paper tries to suggest one of the standard E-learning system in VLSI called IEEE (Institute of Electrical and Electronics Engineers) blended learning program to improve the quality and content of education in VLSI design.

1. **Introduction:**

Educational systems are looking to e-learning programs to improve the quality and content of their education .VLSI is one of the broad field in an education system and need to be more specific as there cannot be just one course to learn all of it. There are many online courses in VLSI [1]. They are 1. Courses on SystemVerilog, Assertions, Coverage, OVM and UVM Verification Excellence, 2. Digital Design courses from IITM on NPTER NPTEL - Electronics & Communication Engineering, 3. Verification courses on Verification Academy – The most comprehensive resource for verification training. The only catch here is you need

a corporate email id to login, 4. Physical Design courses from Udemy - VLSI Academy – Physical Design – Udemy. These online course focus on how to build an EDA tool. It will require programming experience (C++, Java) and basic knowledge of data structures and algorithms. An understanding of basic digital design: Boolean algebra, Kmaps, gates and flip flops, finite state machine design. Linear algebra and calculus at the level of a junior or senior in engineering. Exposure to basic VLSI at an undergraduate level is nice -- but it's not necessary. These courses are self-contained, but students with some VLSI will be able to skip some background material. VLSI Guru is the best VLSI training institute in Bangalore, offering courses on System on Chip (SoC) Design and verification flow; Online VLSI course with complete flexibility on Student Schedule. But these online courses are not standardized which is required for final implementation and validation of final product development in VLSI.

The objective of this work is

- To identify the standard E-learning tool called IEEE blended learning program for VLSI design.
- To study the E-learning tool about the various programs, advantages and requirements
- To analyze and prove the efficiency of that tool by making comparison of that E-learning tool with all other online courses.

Thus this report is divided into 4 sections. Section 2 deals with introduction, various programs and advantages of IEEE blended learning program for VLSI design tool. Section 3 deals with the requirements of the same E-learning tool. Section 4 is about views on the same E-learning tool by Industry experts, Institute and E-learners on VLSI. Section 5 is on result analysis and discussion about the efficiency and percentage of learners of that IEEE blended learning program for VLSI design tool. Finally section 6 concluded that IEEE blended learning program for VLSI is a standard choice to provide a good opportunity for VLSI students to build the standard products by learning this E-learning tool.

2. IEEE BLENDED LEARNING PROGRAM

The **IEEE Blended Learning Program in VLSI** [2] employs the latest in applied and immersive e-Learning techniques in combination with extensive hands-on practice. This engaging online learning approach to reinforce core concepts is then coupled with highly effective and proven in-person instruction and hands-on applied training in a lab. VLSI professionals and students build competency and skills necessary to create complex products with the leading EDA tools used in the semiconductor industry

2.1 Various programs in IEEE blended learning program:

This dual in-depth blended-learning approach complements academic learning with training in industrial practices to prepare engineering students and professionals for a successful career in the semiconductor industry. The program includes[2]:

- Infrastructure comprised of core labs and facilities equipped with the latest Electronic Design Automation (EDA) tools.
- Instructors with many years of experience in the industry.
- Curriculum designed using industry input and reviewed by leading IEEE experts from academia and the VLSI industry.
- Q&A with industry experts.

2.2 Advantages of IEEE blended learning program:

With the **Blended Learning Program in VLSI,** learners have the convenience of "anytime" learning using an advanced online e-Learning platform. This proven approach provides students the confidence to build a career in the semiconductor field and equips engineering

professionals with the skills to quickly become much more productive in their work. The Blended Learning Program in VLSI is based on a best practice structure designed to optimize the learning experience. The program introduces concepts in an easy to understand manner and reinforces application of those concepts at every stage — during practice in a simulation environment, assessments, and hands-on labs to make the training highly effective. This approach makes the program more engaging and rewarding for students, further increasing its training effectiveness and accelerating the learning process. The other advantages of this E-learning program is

- Learn relevant materials developed by industry experts
- Check your understanding through assessments at each stage
- Learn to apply concepts in instructor –Led Labs
- Master concepts through immersive e-learning
- Showcase the knowledge through IEEE certificate of completion
- Understand your competencies through performance analytics.

3. REQUIREMENTS OF IEEE BLENDED LEARNING PROGRAM:

3.1Hardware Requirements

In order to use the Blended Learning Platform, a laptop or a desktop computer with following configuration is recommended:

Any processor with dual core or above configuration

1. 512 MB RAM (2-4 GB recommended)
2. LAN / WAN, Wi-Fi, or 2G/3G (Minimum 256 kbps connection). Note that the performance with lower speeds might be significantly degraded
3. Sound card and speakers to listen to the audio during e-Learning
4. Screen resolution – 1024 x 768 or higher

3.2 Software Requirements

1. Flash player 9 or above
2. One of the following browsers
    1. Windows
        1. Internet Explorer 9.0 or above
        2. Mozilla Firefox 10 or above
        3. Google Chrome 15 or above
    2. Linux / Mac
        1. Mozilla Firefox 10 or above
        2. Google Chrome 15 or above
3. Pop-up blocker must be disabled
4. Speakers must be configured correctly for listening to the audio during e-Learning.

4. VIEWS ON IEEE BLENDED LEARNING PROGRAM:

Some of industry experts, students, the E-learner after gone through this IEEE blended learning program and gave their opinions which makes us to understand standard and the importance of e-IEEE blended learning program are given below].

"Great initiative to bridge the gap between academia and industry. The program is a step in the right direction to get students ready to face the industry faster and become more productive."-**Mani Srinivasan, Director of Global Design Services and Product Organization, IBM.**

"What makes the course unique is that all course material is thoroughly reviewed by leading

IEEE experts from industry and academia before it is incorporated in the training program. This initiative will truly help India achieve a leadership position in the industry and help accelerate growth in the ESDM sector."-**YatinTrivedi, Director of Standards and Interoperability Program, Synopsys.**

"e-Learning was superb and innovative. This initiative by IEEE is very appreciable. The concept of the 'topic' is exceptional. The lab sessions were great – the tutors were very helpful. This program is the bridge between industry and academia. We were unable to express what the industry needed before taking this program – now we understand not just what the industry wants, but what we are expected to tell students."- **Chetan Huchegowda - ECE, CMRIT.**

The program can provide early experiences and deeper perspectives on the practical technology challenges in the industry. Thus, the students are better prepared to hit the ground running when they are hired by a company."- **Vivek De, An Intel Fellow and Director of Circuit Technology Research, Intel Labs.**

E-Learning course was a nice experience. We didn't have to sit in a classroom and rush through the topics. It was really nice to learn at my own pace. The labs were good, upto the industry standards and got a glimpse of how my working environment would be. The three things I liked about IEEE Blended Learning Course: There were not many students in the classroom and the learning process was slow and steady. The trainers were very helpful and cleared all doubts at any point of time. Great lab infrastructure and worked on Microsystem for the first time."- Student.

"E-Learning was superb and innovative. This initiative by IEEE is very appreciable. The concept of the 'topic' is exceptional. The lab sessions were great – the tutors were very helpful. This program is the bridge between industry and academia. We were unable to express what the industry needed before taking this program – now we understand not just what the industry wants, but what we are expected to tell students."-Industry expert.

"Looking to improve your practical skills and advance your career in VLSI, IEEE Blended Learning Program can help you gain the practical, hands-on skills top technology companies are looking for. The video in this program also features some of the students learning experiences and how the program added value to their engineering degree"-Professor.

5. CONCLUSION

E-Learning is a broad term that encompasses many teaching approaches, types of technologies and administrative practices. A challenge in analyzing E-learning is that the technologies and their educational applications are developing extremely rapidly. Today number of E-learning courses are available. But standardization of the course and it is incorporated with educational systems is a problem. So this paper gives a view of standard E-learning program in the field of VLSI called IEEE blended learning program. With the IEEE Blended Learning Program, we can adapt to the newest technologies and enjoy valuable instructional E-learning techniques. Also, we attain extensive hands-on practice to build competency and the skills necessary to create complex products with the leading EDA tools used in the semiconductor industry.

Prof. L. K. Wani.
Faculty Coordinator

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's College of Engineering,
Lavale, Pune - 412 115.

BHARATI VIDYAPEETH's
COLLEGE OF ENGINEERING, LAVALE, PUNE-15
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Experiential Learning 2022-23 Report

Subject: Cloud Computing

Class:- BE E&TC 2019 Pattern
Date: 4/11/2022
No.of Participants: 12

Report on "AWS-Cloud Computing" Amazon web services

An experiential learning session was conducted by Prof.L.B.Chaudhari on Amazon web services based on the subject cloud computing on 4/11/2022 for class BE ENTC.

AWS for beginners helps to decide whether AWS is for us or not and which path is right for us. The consideration, here are no. of reasons why learning AWS and getting a certification will benefit not only newcomers and cloud professionals but also those who want to build a career or improve their business.

AWS was the first to market its public cloud services offer and has had a seven-year head-start over competitors like Microsoft Azure and Google Cloud Platform. A year after AWS was launched in 2006, there were already a hundred and eighty thousand developers on the platform. Since then the AWS team hasn't looked back. In the third quarter of 2017, AWS expanded its market share to 42-percent and reached 49-percent by the first quarter of 2018. By 2020 AWS is expected to increase its market share to 52-percent.

Objective of the Session :

- Introduction to AWS and cloud computing
- AWS academy accounts creation,
- Explanation about VPC and Load Balancer
- AWS career pathway explanation
- Configure the Amazon Relational Database Service

Session Details:-

Build, Deploy, and Manage **Websites**, Apps or Processes On **AWS** Secure, Reliable Network. Sign Up for a Free Account & Experience **AWS** Secure, Reliable, Scalable **Services**. Easily Manage Clusters .

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

Prof. L. B. Chaudhari

BHARATI VIDYAPEETH's

COLLEGE OF ENGINEERING, LAVALE, PUNE - 412 115

Class : _____ Lecture No. : _____

Date : _____ Week : _____

Subject : Experiential Learning Name of the Faculty Member : LBC

STUDENTS ATTENDANCE SHEET

Lecture No.					Roll No.	Signature	Signature	Signature	Signature
Date			4/4/22	4/4/22	40				
Time					41				
Roll No.	Signature	Signature	Signature	Signature	42				
1	Rupali	Shinde	Rupali	Rupali	43				
2	Bhavana	Pawar	Bpawar	Bpawar	44				
3	kakade	Shubhangi	kakade	kakade	45				
4	Swati	Amrutkar	Amrutkar	Amrutkar	46				
5	Amruta	Jadhav	Amruta	Amruta	47				
6	Vijaya	Sharma	vijaya	vijaya	48				
7	Aayan	Gaupal	Aayan	Aayan	49				
8	Yash	Chavhan	Yash	Yash	50				
9	AKASH	KAMBLE	AK	AK	51				
10	Ankit	Vanikade	Ankit	Ankit	52				
11	Mayuri	Mahajan	Mayuri	Mayuri	53				
12	Aadesh	Kolpe	Aadesh	Aadesh	54				
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BHARATI VIDYAPEETH's
COLLEGE OF ENGINEERING, LAVALE, PUNE-15
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

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Prof L B Chaudhari

BHARATI VIDYAPEETH's

COLLEGE OF ENGINEERING, LAVALE, PUNE - 412 115

Class : _____ Lecture No. : _____

Date : _____ Week : _____

Subject : Experiential Learning Name of the Faculty Member : LBC

STUDENTS ATTENDANCE SHEET

Lecture No.					Roll No.	Signature	Signature	Signature	Signature
Date			4/11/22	4/11/22	40				
Time					41				
Roll No.	Signature	Signature	Signature	Signature	42				
1	Rupali	Shinde	Rupali	Rupali	43				
2	Bhavana	Pawar	Bpawar	BPawar	44				
3	kakade	Shubhangi	kakade	kakade	45				
4	Swati	Amrutkar	Sautkar	Sautkar	46				
5	Amrut	Jadhav	Amrut	Amrut	47				
6	Vijaya	Sharma	vijay	vijay	48				
7	Aryan	Gaupal	Aryan	Aryan	49				
8	Yash	Chavhan	Yash	Yash	50				
9	AKASH	KAMBLE	Akash	Akash	51				
10	Ankit	Chaphade	Ankit	Ankit	52				
11	Mankut	Machapure	Mankut	Mankut	53				
12	Pradeep	Kumbe	Pkumbe	Pkumbe	54				
13					55				
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BHARATI VIDYAPEETH's

COLLEGE OF ENGINEERING, LAVALE, PUNE-15

DEPARTMENT: ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Experiential Learning through Webinar On PLC & SCADA programming & Hardware

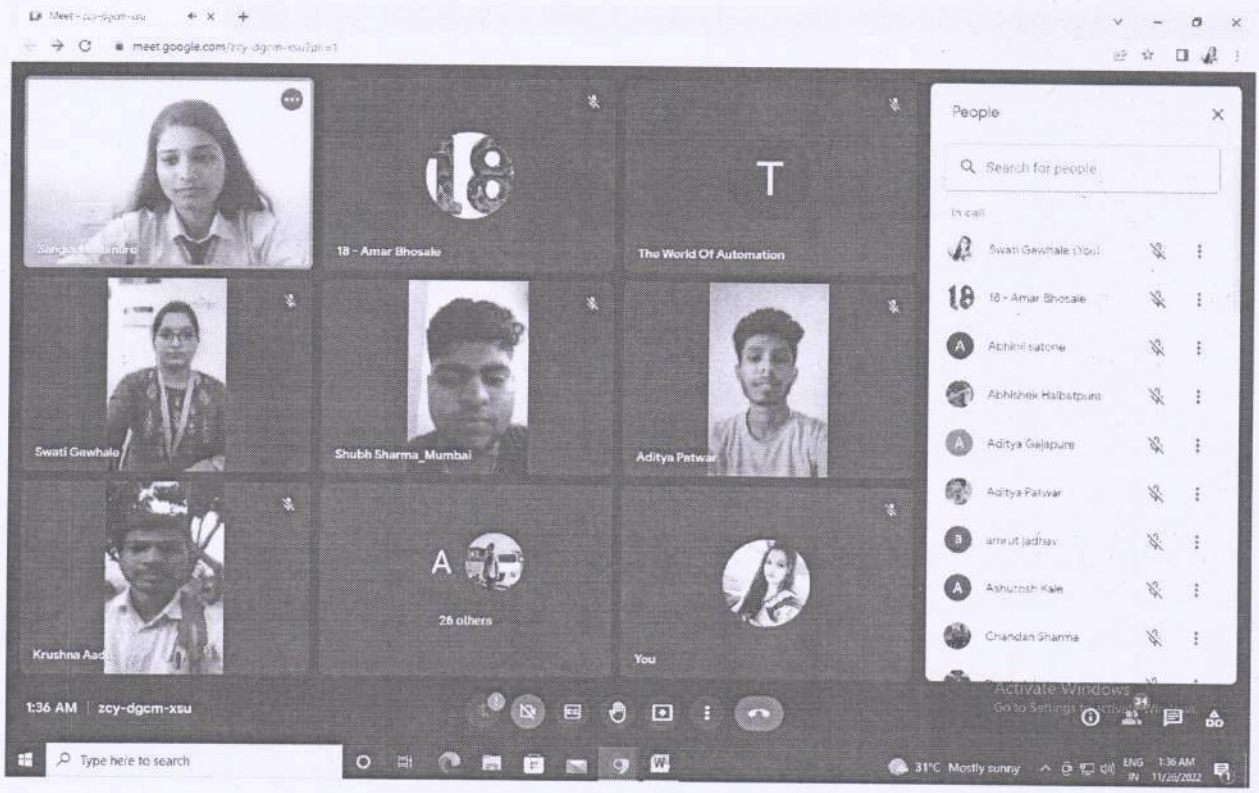
Facebook Link:
https://www.facebook.com/100063906408208/posts/pfbid0NpujLR2LCmgY1if2hAbG7ozN5UaNhEq1saJ53TjCTRfgcRaTpWzw84DzJ5FAKjGNl/?mibextid=Nif5oz

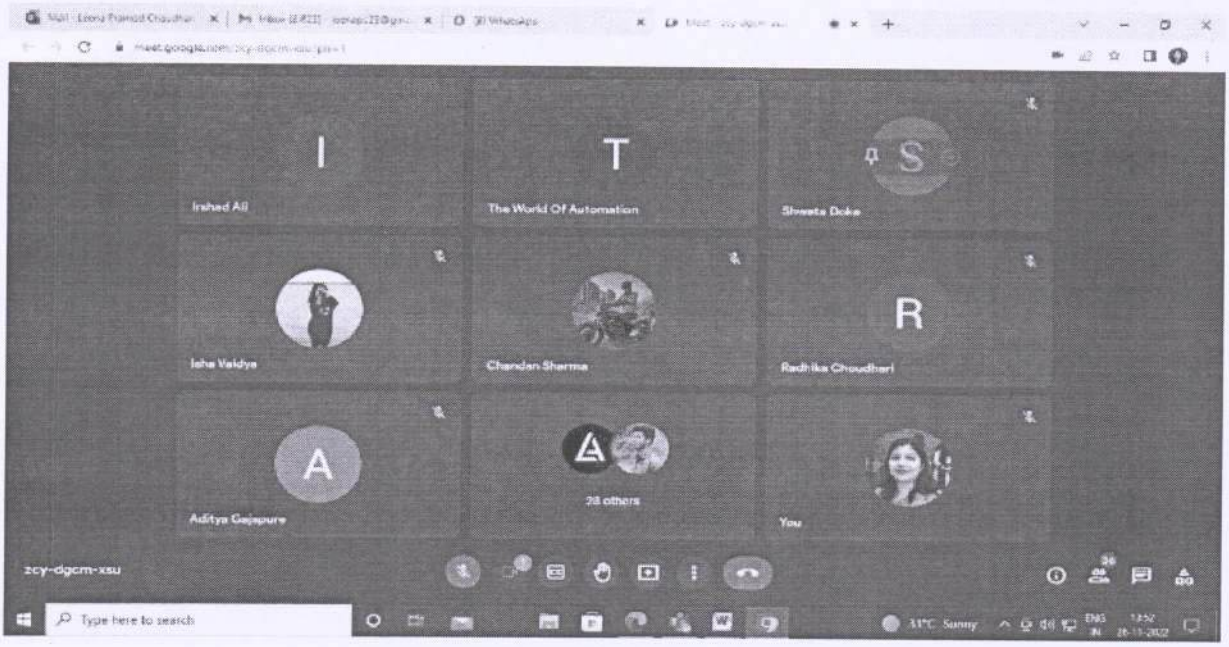
Webinar on PLC & SCADA programming & Hardware was organized by The World of Automation & E&TC Department BVCOEL, Pune for SE/TE/BE (E&TC) Engineering students. The webinar was scheduled on 26/11/2022 at 2:00 PM to 3:00 PM. The speaker of the webinar was Mr Irshad Ali who has rich experience of more than 16 years in PLC, SCADA, HMI, VFD & Robotics.

Total 45 Participants were present for this Webinar from E&TC Department BVCOE, Lavale ,Pune.

The following topics were covered during the session by Mr. Irshad Ali.

1. What is Automation
2 Advantages of Automation
3 History of Automation
4 What is PLC?
5 Advantages of PLC
6 PLC Brands
7 PLC Block diagram
8 PLC Inputs/Outputs
9 PLC Programming Languages
10 Basic of Ladder Diagram
11 Basic of N/O, N/C
12 Timer Basic
13 SCADA Introduction and Brands
14 Advantages of SCADA
15 Introduction of Drive and Type





Head
Dept. of Electronics & Telecommunication
Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

Prof. S.G. Gawhale

Coordinator

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, LAVALE, PUNE
Department of Electronics & Telecommunication

INSTITUTION'S INNOVATION COUNCIL

Organizes an Expert talk
on

Process of Innovation Development, TRL, commercialization of lab technologies & tech transfer

PLC & SCADA programming & h/w webinar

November 26th 2022 | 02:00 PM |

Mr. Irshad Ali
Sr. Automation Engineer,
The World of Automation

Join us on google meet :- Link will be shared soon

Prof.S.G.Gawhale
Co-ordinator

Prof.A.B.Wani
HOD

Dr. R.N.Patil
Principal

Bharati Vidyapeeth's College of Engineering

Lavale, Pune- 412 115, Maharashtra State.
Phone: (020) 6500 3345, Website: bvcoe.bharatividyapeeth.edu

Department of Civil Engineering

Experiential Learning Report: 2021-2022

Subject	:	Project Management
Topic	:	Visit the construction site to learn about waterproofing methods and types of brick bead waterproofing and **study work breakdown structure.**
Subject Teacher	:	Prof. S. C. Patil
Class	:	SE
Date	:	24/03/2022
Total Student Present	:	07

Description: SE Civil students having project management subject in the academic syllabus. It includes the basic topics such as work breakdown structure. Some of the students have faced difficulty in understanding the concept of work breakdown structure. In a view of this, following topics taught and students learnt their understanding through physical visit site.

1. What is work breakdown structure?
2. Types of work breakdown structure.
3. Brick bead waterproofing work breakdown structure.
4. Work study and method study.

Photo Gallery:



Photo No. 01. &02 Students going through brick bead waterproofing construction site.

Faculty signature

Prof. S. C. Patil
(Assistant Professor)

Bharati Vidyapeeth's College of Engineering

Lavale, Pune- 412 115, Maharashtra State.
Phone: (020) 6500 3345, Website: bvcoe.bharatividyapeeth.edu

Department of Civil Engineering

Experiential Learning Report: 2021-2022

Subject	:	Construction Management
Topic	:	Visit a water treatment plant to learn about the **work study and method study**, understand the working principles, methods, and technology used, and find out the required installation time.
Subject Teacher	:	Prof. S. C. Patil
Class	:	TE
Date	:	12/03/2022
Total Student Present	:	09

Description: TE Civil students having construction management subject in the academic syllabus. It includes the basic topics such as **work study and method study**. Some of the students have faced difficulty in understanding the concept of **work study and method study**. In a view of this, following topics taught and students learnt their understanding through visit water treatment plant.

1. work study and method study of water treatment plant
2. Installation process and working principal of water treatment plant
3. Estimate time required for installation.
4. Water treatment plant installation site selection.

Photo Gallery:



Photo No. 01. & 02.Students visit to water treatment plant

Faculty signature

Prof. S. C. Patil
(Assistant Professor)

H.O.D
Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale,Pune

BHARATI VIDYAPEETH's
COLLEGE OF ENGINEERING, LAVALE, PUNE-15
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Experiential Learning 2021-22 Report

Subject: Principles of Communication Systems
Class: SE E&TC
Date: 22/4/2022
Total Students attended: 24

Details: "Visit To GMRT-Tata Institute of Fundamental Research (2021-2022)"

The Industrial visit was carried out at GMRT on 22nd April, 2022 for SEM VIII Electronics and Telecommunication Engineering Students. By **Prof. Lalita Kiran Wani,** along with 24 students visited GMRT. The motive of this visit was to make aware of the Communication subjects of ENTC.

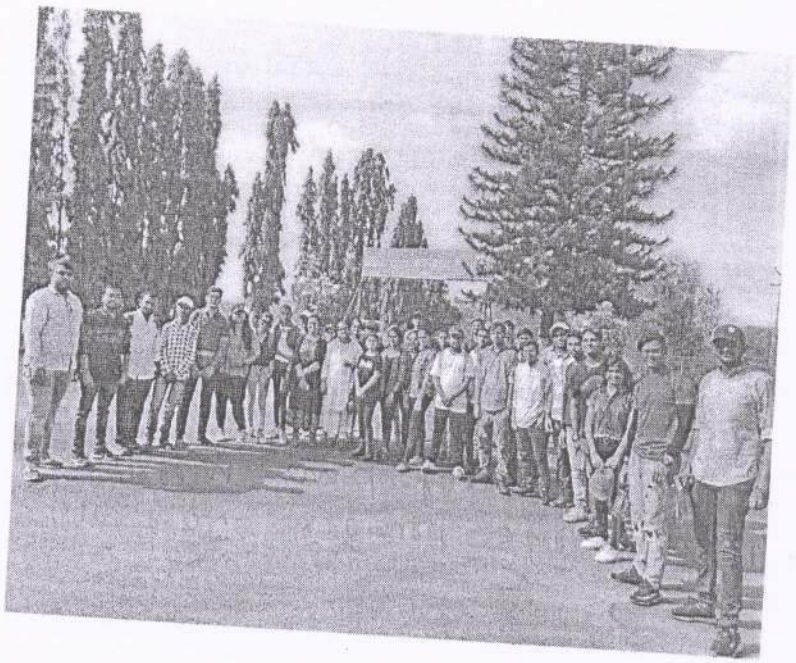
The main objective of this visit was that, as a part of the Electronics and Telecommunication Engineering, the students need to know practical fundamentals, implementation, functionality, and mechanism of antennas as also to get the knowledge of the Radio Telescope, different components involved, hardware software co-design, which is related with the Second Year core subject "**Principles of Communication Systems**" and found as an experiential learning.

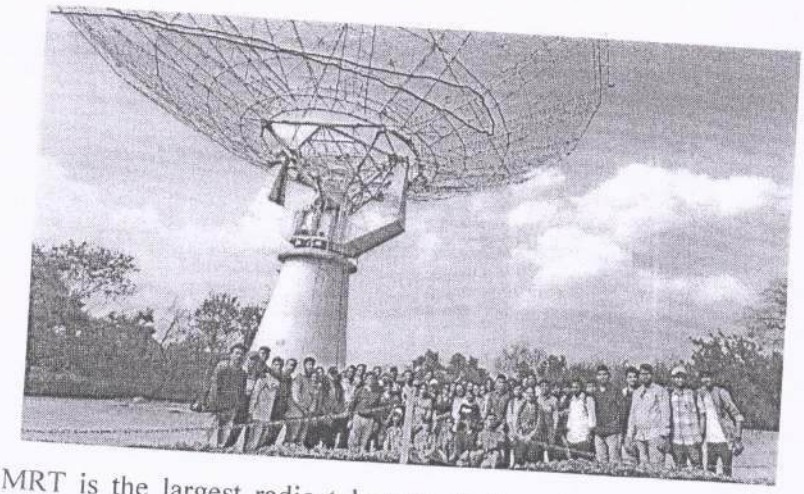
The site for GMRT, about 10 km east of Narayangaon town on the Pune-Nasik highway, was selected after an extensive search in many parts of India, considering criteria such as low man-made radio noise, availability of good communication, vicinity of industrial, educational and other infrastructure and, a geographical latitude sufficiently north of the geomagnetic equator in order to have a reasonably quiet ionosphere and yet be able to observe a good part of the southern sky as well.

After reaching their students were guided by the staff member towards one of the big antennas. It was great to know that GMRT consists of 30 fully steerable gigantic parabolic dishes of 45m diameter each spread over distances of up to 25 km.

After introduction all students were shown the big antenna and were told about how it works and were guided about its various functionalities. The meter wavelength part of the radio spectrum has been particularly chosen for study with GMRT because man-made radio interference is considerably lower in this part of the spectrum in India. Fourteen of the thirty dishes are located more or less randomly in a compact central array in a region of about 1 sq. km. The remaining sixteen dishes are spread out along the 3 arms of an approximately 'Y'-shaped configuration over a much larger region, with the longest interferometric baseline of about 25 km.

Glimpses:





The GMRT is the largest radio telescope in the whole world and hence has great appeal in astrophysics research. Astronomers from all over the world regularly use this telescope to observe many different astronomical objects such as galaxies, pulsars, supernovae, and sun and solar winds.

The visit concluded with an interactive session for the students, where they got an opportunity to interact with the concerned authorities and gain more knowledge. It was a great learning experience for one and all.

Prof. L.B.Chaudhari

Subject Teacher

Prof. Lalita Wani

(Asst. Prof.)

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Bharati Vidyapeeth's College of Engineering, Lavale, Pune - 412 115.

Head
Dept. of Electronics & Telecommunication

Bharati Vidyapeeth's
College of Engineering, Lavale, Pune
Department of Electronics and Telecommunication
Class:- SE ENTC

Roll No.	Students name
1	Krushna K. Aade
2	Tushar Lodha
3	Vinayak Jagdale
4	Isha Y. Vaidya
5	Nikhil R. Ambhore
6	Shubh Sharma
7	Piyusha R. Kalaskar
8	Tushar Waghmare
9	Shreya Phulkar
10	Shweta K. Mandage
11	Shreyas S. Rachchawar
12	Simran D. Kumavat
13	Shweta D Doke
14	Radhika S. Choudhari
15	Rahul S Pareek
16	Priyanka R Dhage
17	Abhinil Sunil Satone
18	Surbhi Gaikawad
19	Hritvik Gunjal
20	Janhavi Gawali
21	Prathamesh Mane
22	Pranali R Jagtap
23	Yogesh Masal
24	Shreyas P Khansole
25	Rushikesh Joshi
26	Omkar Deshmukh

Head
Dept. of Electronics & Telecommunication Engineering
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Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, LAVALE -412115
CLASS:- (BE & SE ETC) 2021-22
Industrial Visit Student List

Sr. No	Roll No.	Name of Students				
1	2	RAHUL SURENDRA PAREEK	✓	✓	✓	✓
2	3	SHWETA DNYANESHWAR DOKE	✓	✓	✓	✓
3	4	SHUBH RAKESH SHARMA	✓	✓	✓	✓
4	10	RADHIKA SATISH CHOUDHARI	✓	✓	✓	✓
5	14	PIYUSHA RAMKANT KALASKAR	✓	✓	✓	✓
6	17	SHREYAS PANDITRAO KHANSOLE	✓	✓	✓	✓
7	18	RUSHIKESH SUDHIR JOSHI	✓	✓	✓	✓
8	19	TUSHAR RAKESH LODHA	✓	✓	✓	✓
9	22	AADE KRUSHNA KADUBA	✓	✓	✓	✓
10	23	AMBHORE NIKHIL RAMDAS	✓	✓	✓	✓
11	28	~~CHAVAN KRANTI EKNATHRAO~~	✓	✓	✓	✓
12	31	DESHMUKH OMKAR AVINASH				
13	32	DHAGE PRIYANKA RAMCHANDRA	✓	✓	✓	✓
14	35	GAIKWAD SURBHI SHIVAJI	✓	✓	✓	✓
15	36	GAWALI JANHAVI DIGAMBAR	✓	✓	✓	✓
16	38	GUNJAL HRITVIK REVNATH	✓	✓	✓	✓
17	40	JAGDALE VINAYAK BIBHISHAN	✓	✓	✓	✓
18	41	JAGTAP PRANALI RAJENDRA	✓	✓	✓	✓
19	48	KUMAVAT SIMRAN DIPAK	✓	✓	✓	✓
20	49	MANDAGE SHWETA KAILAS	✓	✓	✓	✓
21	50	MANE PRATHAMESH SAYAJI	✓	✓	✓	✓
22	52	MASAL YOGESH MADHUKAR	✓	✓	✓	✓
23	60	PHULKAR SHREYA ARUN	✓	✓	✓	✓
24	61	RACHCHAWAR SHREYASH SANJAYRAO	✓	✓	✓	✓
25	64	SATONE ABHINIL SUNIL	✓	✓	✓	✓
26	71	VAIDYA ISHA YOGESHRAO	✓	✓	✓	✓
27	72	WAGHMARE TUSHAR GANGADHAR	✓	✓	✓	✓

Dhage P Tayade

Savitribai Phule Pune University

Second Year of Electronics / E & Tc Engineering (2019 Course)

204193: Principles of Communication Systems

Teaching Scheme:	Credit	Examination Scheme:
Theory: 03 hrs. / week	03	In-Sem (Theory): 30 Marks End Sem (Theory): 70 Marks

Prerequisite Courses, if any: --

Companion Course, if any: 204191 - Signals & Systems
204196 - Principles of Communication Systems Lab

Course Objectives:

- To equip/ familiarize students with basic mathematical tools for time and frequency domain analysis of communication signal and systems.
- To acquaint the students with the fundamental principles of modulation process and different amplitude and angle modulation systems.
- To introduce the students with the concept of Sampling theorem and pulse modulation techniques PAM, PWM, PPM.
- To impart pre-requisites of digital communication systems and explore digital representation techniques like PCM, DPCM, DM and ADM.
- To highlight the issues in baseband digital transmission such as data representation, synchronization, multiplexing and ISI.

Course Outcomes: On completion of the course, learner will be able to -

CO1: To compute & compare the bandwidth and transmission power requirements by analyzing time and frequency domain spectra of signal required for modulation schemes under study.

CO2: Describe and analyze the techniques of generation, transmission and reception of Amplitude Modulation Systems.

CO3: Explain generation and detection of FM systems and compare with AM systems.

CO4: Exhibit the importance of Sampling Theorem and correlate with Pulse Modulation technique (PAM, PWM, and PPM).

CO5: Characterize the quantization process and elaborate digital representation techniques (PCM, DPCM, DM and ADM).

CO6: Illustrate waveform coding, multiplexing and synchronization techniques and articulate their importance in baseband digital transmission.

Course Contents

Unit I	Signals & spectra	(08 Hrs)
Introduction to Communication System, Analog and Digital messages, regenerative repeaters, Signal Bandwidth & Power. Size & classification of signal, exponential Fourier series, concept of negative frequencies. Fourier transform and properties, Frequency shifting, Concept of baseband and bandpass signals, Signal transmission through LTI system. Signal energy & Energy Spectral density. Signal power & Power Spectral Density, Input and output PSD, PSD of modulated signal.		
Mapping of Course Outcomes for Unit I	CO1: To compute & compare the bandwidth and transmission power requirements by analyzing time and frequency domain spectra of signal required for modulation schemes under study.	
Unit II	AM transmission & reception for signal tone	(08 Hrs)
Need for frequency translation, Amplitude modulation (DSB-C), Double sideband Suppressed carrier (DSB-SC) modulation, Single sideband modulation (SSB), Vestigial Sideband modulation (VSB),Spectrum and Bandwidth of AM, DSB-SC, SSB & VSB, Calculation of modulation index for AM wave, Modulation index for more than one modulating signals, Power and power efficiency, AM reception		
Mapping of Course Outcomes for Unit II	CO2: Describe and analyze the techniques of generation, transmission and reception of Amplitude Modulation Systems.	
Unit III	FM transmission & reception for signal tone	(08 Hrs)
Phase Modulation (PM) and Frequency Modulation (FM), Relationship between Phase and Frequency Modulation, Modulation Index, Spectrum of FM (single tone): Feature of Bessel Coefficient, Power of FM signal, Bandwidth of tone modulated FM signal, modulation index : AM vs. FM, Spectrum of constant Bandwidth' FM, Narrowband and Wideband FM. **FM Modulators and Demodulators:** FM generation by Armstrong's Indirect method, frequency multiplication and application to FM, FM demodulator.		
Mapping of Course Outcomes for Unit III	CO3: Explain generation and detection of FM systems and compare with AM systems.	
Unit IV	Pulse Modulation	(06 Hrs)
Need of analog to digital conversion, sampling theorem for low pass signal in time domain, and Nyquist criteria, Types of sampling- natural and flat top. Pulse amplitude modulation & concept of TDM: Channel bandwidth for PAM, equalization, Signal Recovery through holding. Pulse Width Modulation (PWM) and Pulse Position Modulation (PPM): Generation & Detection.		
Mapping of Course Outcomes for Unit IV	CO4: Exhibit the importance of Sampling Theorem and correlate with Pulse Modulation techniques (PAM, PWM, and PPM)	

Unit V	Digital Representation of Analog Signals	(06 Hrs)
Quantization of Signals: Quantization error, Uniform & Non-Uniform types of Quantization, Mid-rise & Mid-tread Quantizer. **Companding:** A-law & μ-law. **Pulse Code Modulation system:** Generation & Reconstruction, Differential Pulse code modulation, Delta Modulation, Adaptive Delta Modulation.		
Mapping of Course Outcomes for Unit V	**CO5: Characterize the quantization process and elaborate digital representation techniques (PCM, DPCM, DM and ADM).**	
Unit VI	**Baseband Digital Transmission**	**(06 Hrs)**
Line codes: Properties and spectrum. **Digital Multiplexing and hierarchies:** T1, AT&T, E1, CCITT, Scrambling & Unscrambling. **Synchronization:** Carrier Synchronization, Bit Synchronization and Frame Synchronization. Intersymbol Interference, Equalization.		
Mapping of Course Outcomes for Unit VI	**CO6: Illustrate waveform coding, multiplexing and synchronization techniques and articulate their importance in baseband digital transmission.**	

Learning Resources

Text Books:

1. Taub, Schilling and Saha, "Principles of Communication Systems", McGraw-Hill, 4th Edition.
2. B P Lathi, Zhi Ding, "Modern Analog and Digital Communication System", Oxford University Press, 4th Edition.

Reference Books:

1. Bernard Sklar and Prabitra Kumar Ray, "Digital Communications Fundamentals and Applications", Pearson Education 2nd Edition.
2. Wayne Tomasi, "Electronic Communications System", Pearson Education, 5th Edition.
3. A.B Carlson, P B Crully and J C Rutledge, "Communication Systems", Tata McGraw Hill Publication, 5th Edition.
4. Simon Haykin, "Communication Systems",John Wiley & Sons, 4th Edition.

MOOC / NPTEL Course:

1. NPTEL Course **"Principles of Communication Systems-I"**

   https://nptel.ac.in/courses/108/104/108104091/

BHARATI VIDYAPEETH's
COLLEGE OF ENGINEERING, LAVALE, PUNE-15
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Experiential Learning 2021-22 Report

Subject: VLSI Design and Technology
Year: Be E&TC 2015 Pattern
Date: 25/3/2022
Total Students attended: 29

Details: "Virtual Visit to National Institute of Electronics & Information Technology, Calicut, VLSI Design Group (2021-2022)"

The Industrial visit was carried out at NIEIT-VLSI Design Group, Calicut on 25th March, 2022 for SEM VII Electronics and Telecommunication Engineering Students. **Prof. Lalita Kiran Wani,** along with 29 students virtually visited NIEIT-VLSI Design Group,Calicut .

National Institute of Electronics and Information Technology (NIELIT) has established itself as a premier institution providing affordable quality education as per the job market requirements for candidates from all over India. With focus areas like information security, cloud computing, data science, AI, VLSI, embedded systems, industrial IoT, electronic product design and automotive electronics, the institute's curricula are an absolute blend of academic and industry-relevant competency development programs which allows the candidates to develop the skills and knowledge relevant to their career paths truly contributing towards Atmanirbhar Bharat

The main objective of this visit was that, as a part of the Electronics and Telecommunication Engineering, the students need to learn the fundamental and advanced principles of VLSI circuit design in digital and analog domain. We have visited their VLSI LAB. This Lab is used for conducting the UG/PG practical, research activities at M.S and PhD level and to provide hands on design experience with professional design (EDA) platforms. This lab also familiarizes implementation of logical modules on FPGAs.

This visit is hosted by Mr. Sreejeesh S G ((Senior Technical Officer). While explaining about the VLSI LAB he had explained how the field of learning VLSI design is emerging rapidly and more and more students want to make their careers in VLSI design. He said VLSI field is also provides promising career opportunities and a bright future. He had introduced about their M. tech course in VLSI and how it is one of the best courses for students.

Faculty sign
Prof. Lalita Wani
(Asst. Prof.)

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

2	DAC Interface Board Specifications:- Supports parallel DAC0808, serial DAC MCP4921, Banana socket for CRO/DSO/DMM Connection	5	1800	9000
13	16x2 LCD Interface	5	1050	5250
14	Stepper Motor Interface	5	1800	9000
15	LED interfacing	5	1050	5250
16	Relay interfacing	5	1050	5250
17	4x4 keypad interfacing	5	1050	5250
	Total	35	11300	395500
		GST @18%		71190
		TOTAL		**466690**

Terms and Conditions	1.GST-18 % EXTRA. 2) Delivery- 4 to 6 weeks. 3) Training Installation-Free of cost. 4) Payment- Against Delivery & Demonstration as per supply in lots. 5) Octroi- If applicable on your account. 6) Warranty- 1 Year against Manufacturing defects.

15/10/22

Accountatnt

Lab Incharge

Prof.A.B.Wani
HOD, (ENTC) Engineering

Prof. R. N. Patil
Principal, BVCOELP

Link provided by the Host

Industrial Virutal Visit -Bharati Vidyapeeth's College of Engineering, Lavale,Pune
Hosted by Sreejeesh

https://nielitcalicut.webex.com/nielitcalicut/j.php?MTID=m010680774a66f3f9bf86451e8dcdb14e

Friday, Mar 25, 2022 11:00 am | 1 hour | (UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi
Meeting number: 2511 504 7025
Password: nielit123

Join by video system
Dial 25115047025@nielitcalicut.webex.com
You can also dial 210.4.202.4 and enter your meeting number.

Join by phone
+65-6703-6949 Singapore Toll

Access code: 251 150 47025

Faculty sign
Prof. Lalita Wani
(Asst. Prof.)

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College of Engineering,
Lavale, Pune - 412 115.

Attendance / No of students benifited

All sessions in India Time (Mumbai, GMT+05:30)
Session detail for 'Industrial Virutal Visit -Bharati Vidyapeeth's College of Engineering, Lavale,Pune':

Caution: This is a preliminary report. It provides immediate access to session data before the final rep

Participan	Name	Email	Date	Invited	Registe
1	Sreejeesh sree	sree@calicut.nielit.in	3/25/2022	No	N/A
2	Priyanka Firke	priyankavfirke72@gm	3/25/2022	No	N/A
3	lalita.wani	lalita.wani@gmail.cor	3/25/2022	No	N/A
4	Ritesh Gole	goleritesh777@gmail.	3/25/2022	No	N/A
5	Hrutwik Sanjay Ji	jiddewarhrutwik@gm	3/25/2022	No	N/A
6	Koithodathu God	godsonabraham77@g	3/25/2022	No	N/A
7	Ajay Bhosale	ajaybhosale5373@gm	3/25/2022	No	N/A
8	Atharva Wanjari	atharvawanjari04@gn	3/25/2022	No	N/A
9	Priyanka Firke	priyankavfirke72@gm	3/25/2022	No	N/A
10	Ajinkya	ajinkyawadbude45@g	3/25/2022	No	N/A
11	Rushi Khandetod	rushikhandetod@gma	3/25/2022	No	N/A
12	Prateek Sawant	prateeksawant121@g	3/25/2022	No	N/A
13	Swati Amrutkar	swatiamrutkar123@gı	3/25/2022	No	N/A
14	Rutik Wadnerkar	rutikwadnerkar@gma	3/25/2022	No	N/A
15	prashik	meshramprashik3581(	3/25/2022	No	N/A
16	prashik	meshramprashik3581(	3/25/2022	No	N/A
17	Rutik Wadnerkar	rutikwadnerkar@gma	3/25/2022	No	N/A
18	Rupali shinde	rupalipatil4016@gmai	3/25/2022	No	N/A
19	Siddharth Shrivas	shrivastavas599@gma	3/25/2022	No	N/A
20	Sairaj Sawant	sairajsawant51@gmai	3/25/2022	No	N/A
21	Vaibhavi patil	va8bhavisp511@gmai	3/25/2022	No	N/A
22	Manas Nili	manasnili786@gmail.(	3/25/2022	No	N/A
23	priya naikare	naikarepriya203@gma	3/25/2022	No	N/A
24	Akash Watgure	akashwatgure2302@g	3/25/2022	No	N/A
25	kajal Raut	kajal.raut-bvcoel@bv	3/25/2022	No	N/A
26	Himanshu Dethe	himanshudethe5065@	3/25/2022	No	N/A
27	Paritosh	paritoshpal7796@gma	3/25/2022	No	N/A
28	Prajakta Gaikwad	gaikwadprajakta2015(	3/25/2022	No	N/A
29	Ishwari Shinde	ishwari4you20@gmai	3/25/2022	No	N/A
30	shubhangi	kakadeshu98@gmail.(	3/25/2022	No	N/A
31	Swati Amrutkar	swatiamrutkar123@gı	3/25/2022	No	N/A

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E4R

BHARATI VIDYAPEETH's
COLLEGE OF ENGINEERING, LAVALE, PUNE-15
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Experiential Learning 2021-22 Report

Subject: Digital signal Processing
Year: TE E&TC 2019 Pattern
Date: 21/5/2022
Total Students attended: 14

Details: Experiential Learning is the process of learning by doing. By engaging students in Hands-on experiences and reflection, they are better able to connect theories and knowledge learned in the classroom to real-world situations.

TE E&TC students having Digital signal Processing subject in the academic syllabus. In this subject students have faced difficulty in understanding the concept of Software filter with different types of filtering windows (Hamming, Hanning, Rectangular). In a view of this, a real time assignment is given to students. Also introduce a Audacity Software which is a free and open-source digital audio editor and recording application software, available for Windows, macOS, Linux, and other Unix-like operating systems.

Google sheet was created and assign the tasks to perform .They have to utter the sound (AUM) 11 times and record this audio clip using mobile or any recorder. Import the audio file in Audacity software and do the analysis.

Thus, by involving students in the real-time model, they understand the concept and learn.

Here, with the students solved assignment response is shared.

Faculty sign
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(Asst. Prof.)

Head
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Lavale, Pune - 412 115

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's College of Engineering,
Lavale, Pune - 412 115.

SE (E&TC)-DSP- Assignment-1

Please follow the following steps
1.Listen the sound (AUM) for uttering correctly and record your file. Link for uttering the sound is https://www.youtube.com/watch?v=8BW8iv0nxUg
2.Follow the process & utter the word 11(Eleven) times.
3.Record this sound as an audio clip using Mobile/Headphone or any other device.
4.Import this audio file in Audacity software.
5.Do the analysis with varying following parameters
(a)Varying the sampling frequency 5-times. with every frequency save the waveform with result.
(b)Change filtering windows(Hamming, Hanning, Rectangular)

Roll Number *

20

Name of the Student *

Rupali Prabhakarrao Shinde

Upload your sound recorded file(.AVI) file *

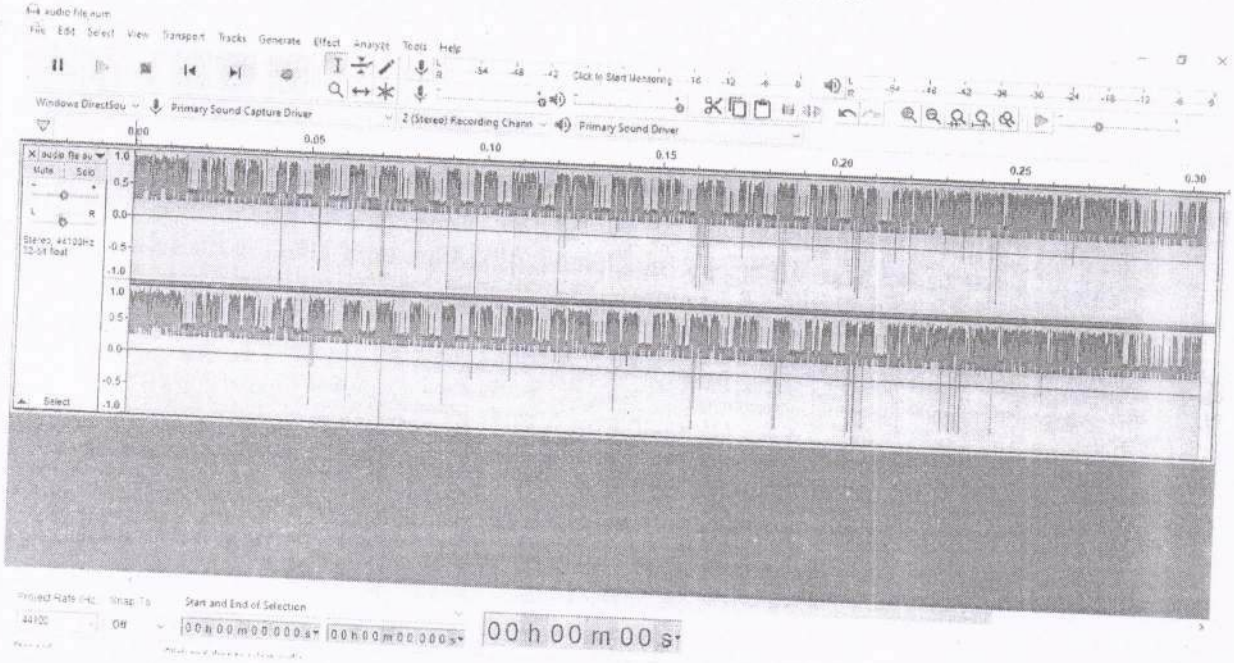
Submit results of FFT with varying Sampling frequency as JPEG file *

This content is neither created nor endorsed by Google.

Google Forms

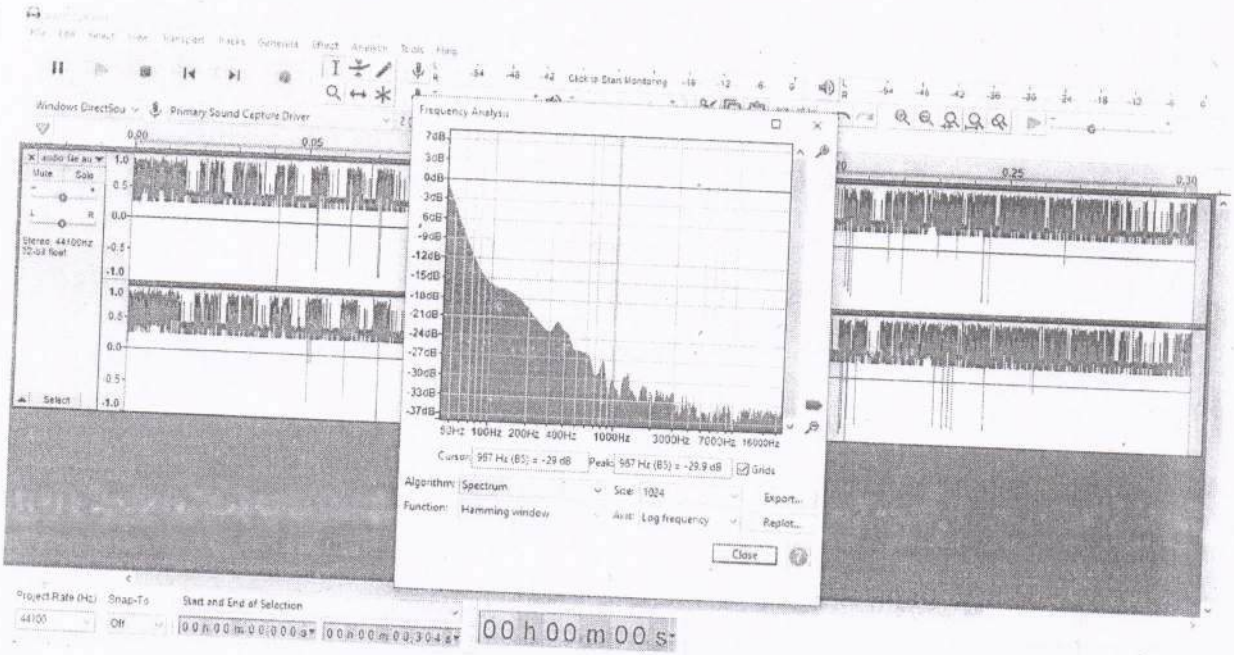
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7/7/2021 19:29:47		3 SWATI Amrutkar	
7/8/2021 12:54:48		21 ARYAN GAUPAL	
7/18/2021 21:38:05		11 Akash kamble	
7/23/2021 9:49:53		18 Raj sunil nikam	https://drive.google.com/o https://drive.google.com/open?id=1wxTFNZ8N-e7XO49UB6xVzPpn1ZcHW
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7/23/2021 10:58:07		19 Ujjwal Ramavatar Sharma	https://drive.google.com/o https://drive.google.com/open?id=1RH9m5OTTe_noE-Ocfhg8JnuJXFBUMd-cx, https://drive.google.com/open?id=1jC2eaRYCTcXel9bqlfpzuqLv8V1pQwil, https://drive.google.com/ope
7/23/2021 11:17:09		17 Pushkaraj Pramod Vernel	https://drive.google.com/o https://drive.google.com/open?id=1HH5MKOzpQkHoa49TgIlpzhzwUi9VV-1, https://drive.google.com/open?id=1-LtOwzlvM7oIZIADyEaTSHCkOCT7TRv5, https://drive.google.com/ope
7/23/2021 18:07:23		21 ARYAN PRASHANT GAU	https://drive.google.com/o https://drive.google.com/open?id=1PIDtMln5EcdN6J6RaFRzBnjGrHEIF86, https://drive.google.com/open?id=1lkwtFlvT1DJ1m2X-mVy8xf8VbnSw8dR2, https://drive.google.com/open?
7/24/2021 20:19:22		21 ARYAN PRASHANT GAU	https://drive.google.com/o https://drive.google.com/open?id=1b_MO3Gqcv5xuBs_sF70laamTq0PGWta, https://drive.google.com/open?id=18zhKnOG1jFPI4NORI8BJiNb0avrHL34L, https://drive.google.com/ope
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8/3/2021 17:06:31	S191113004	Yash Balnath Choubhare	https://drive.google.com/o https://drive.google.com/open?id=1PhL3S6LofEOYFsS15HDJLPGnYs5mNNMF, https://drive.google.com/open?id=1n9kpqJPFhbFtgCnmlo511Ma7d_vinA0, https://drive.google.com/o

FREQUENCY ANALYSIS OF AUM SOUND

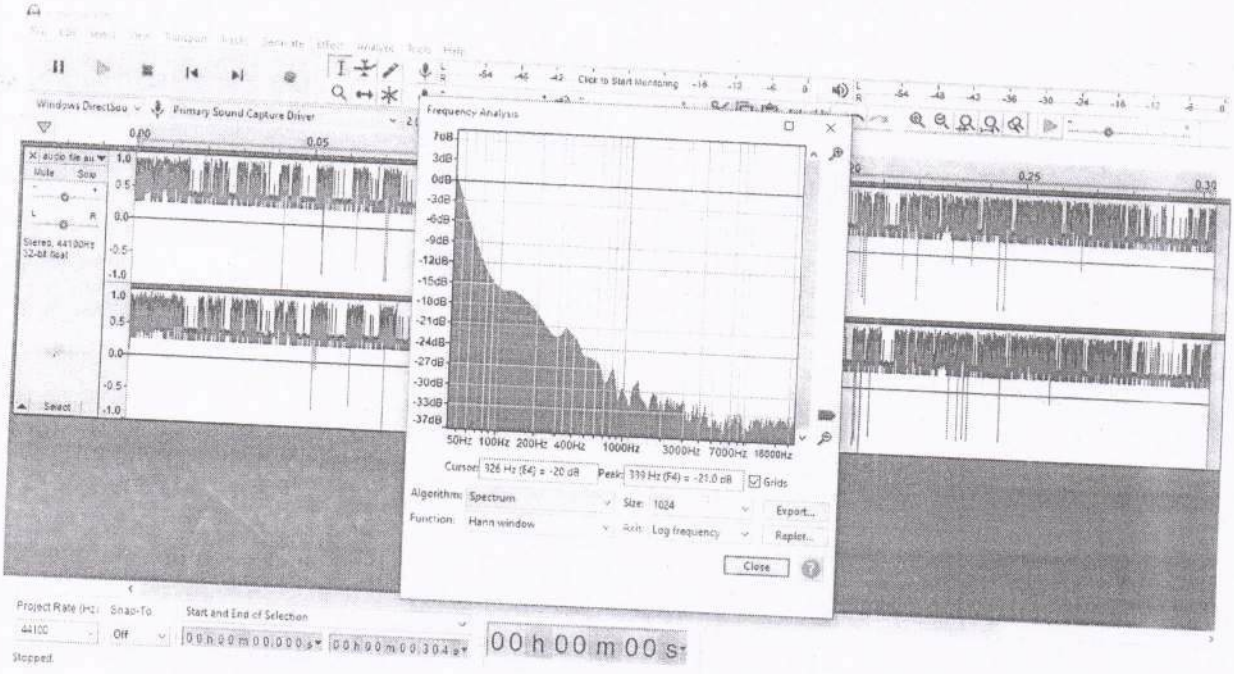


AUDIO FILE

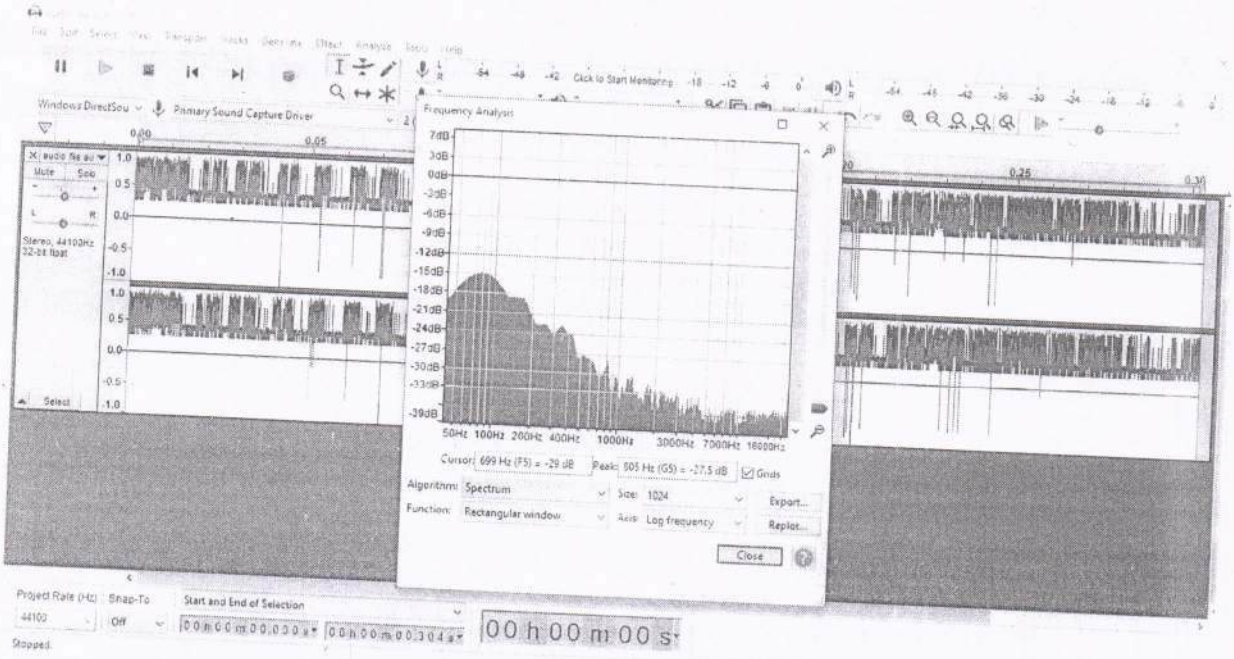
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HAMMING WINDOW

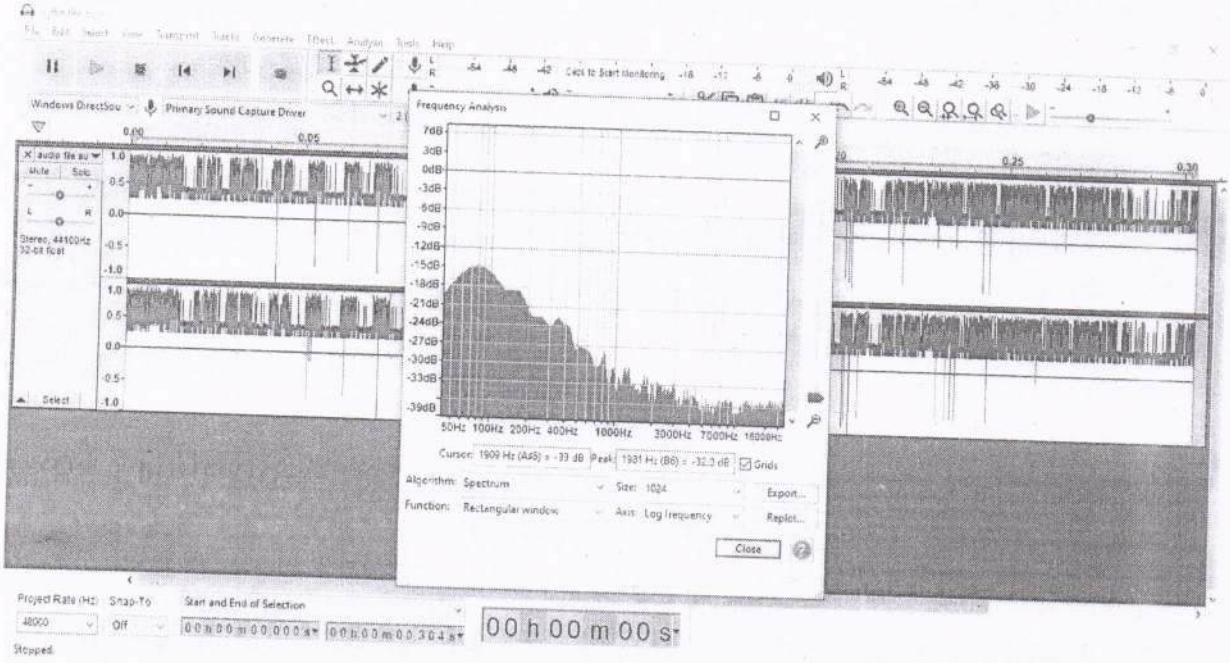


HANN WINDOW



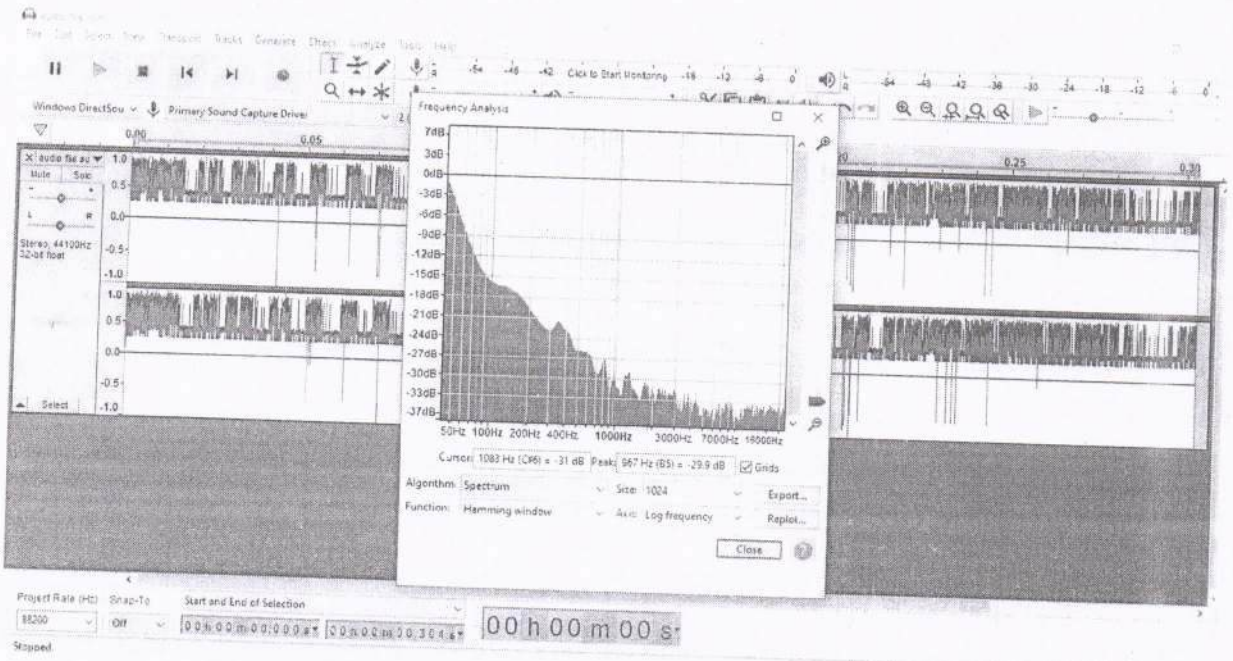
RECTANGULAR WINDOW

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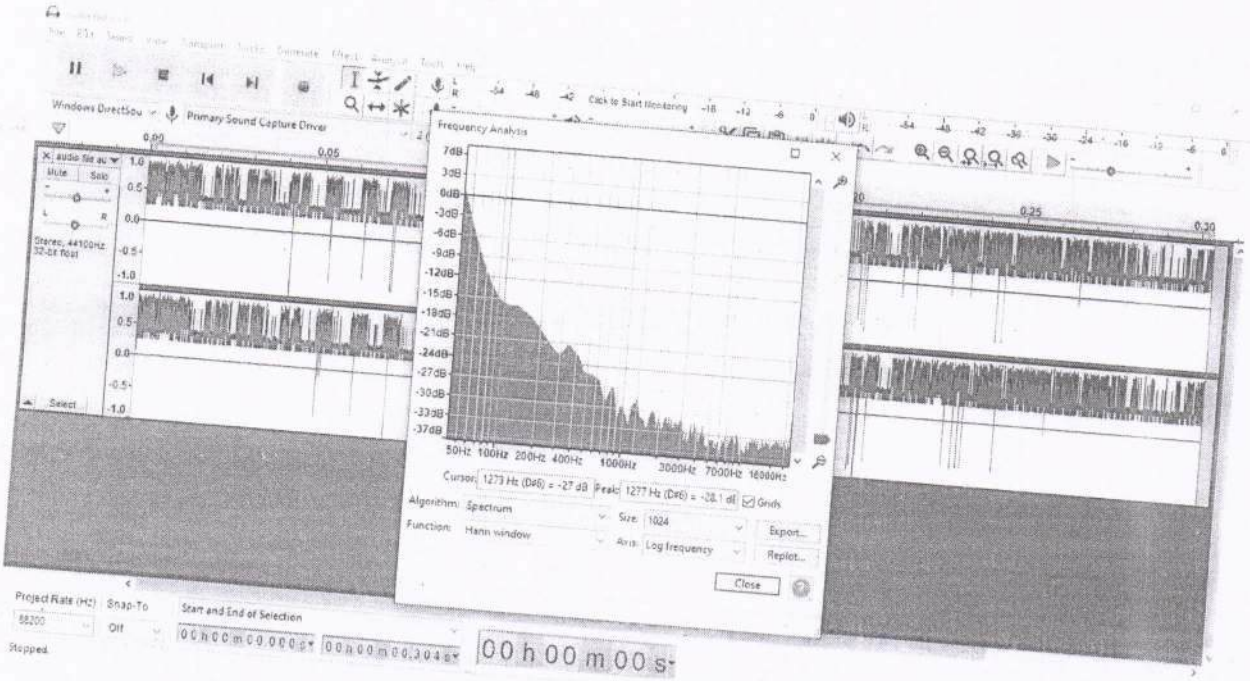


RECTANGULAR WINDOW

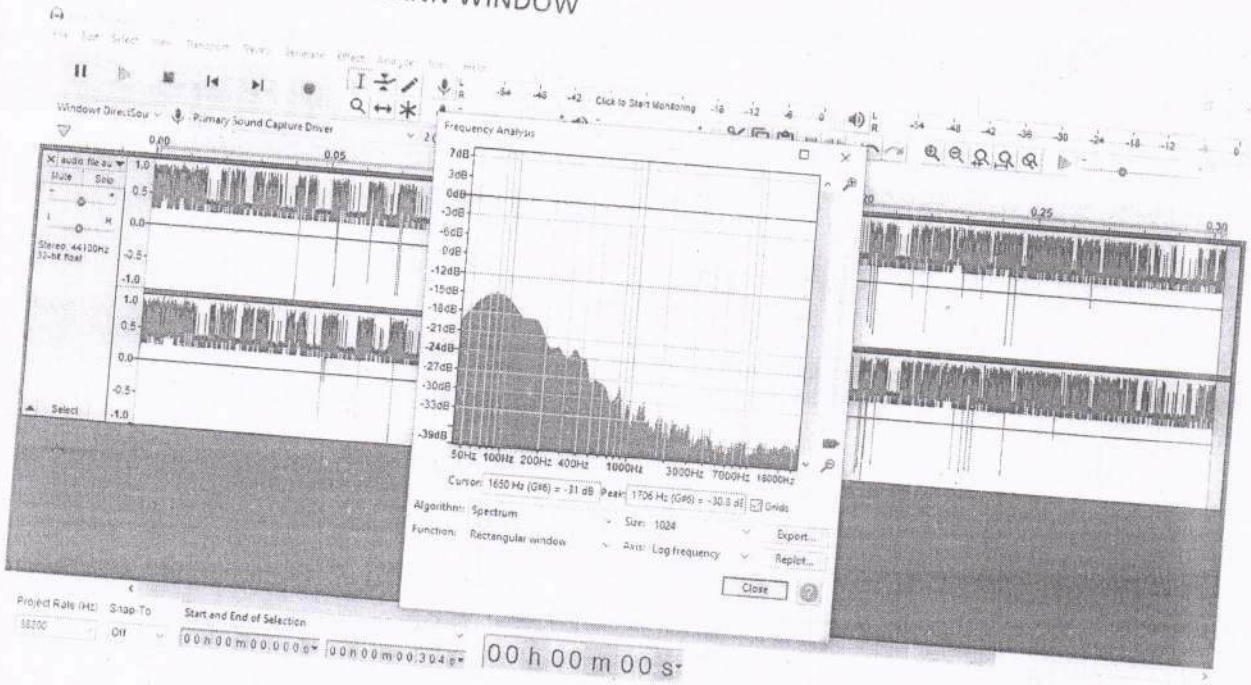
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HAMMING WINDOW

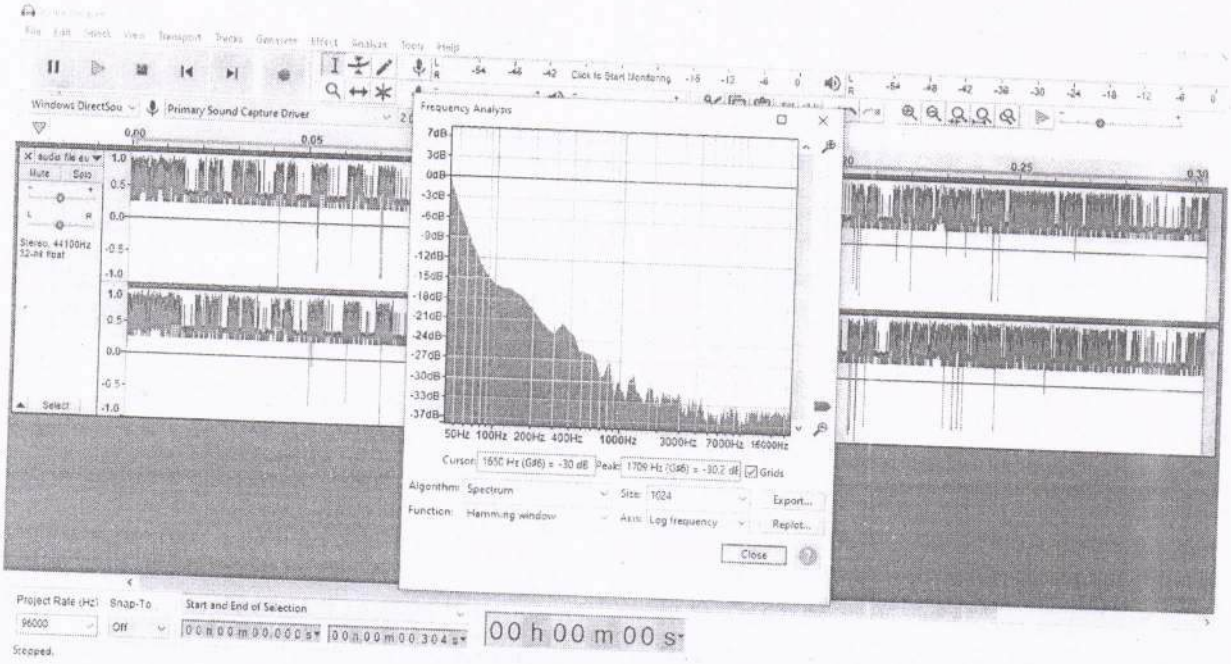


HANN WINDOW

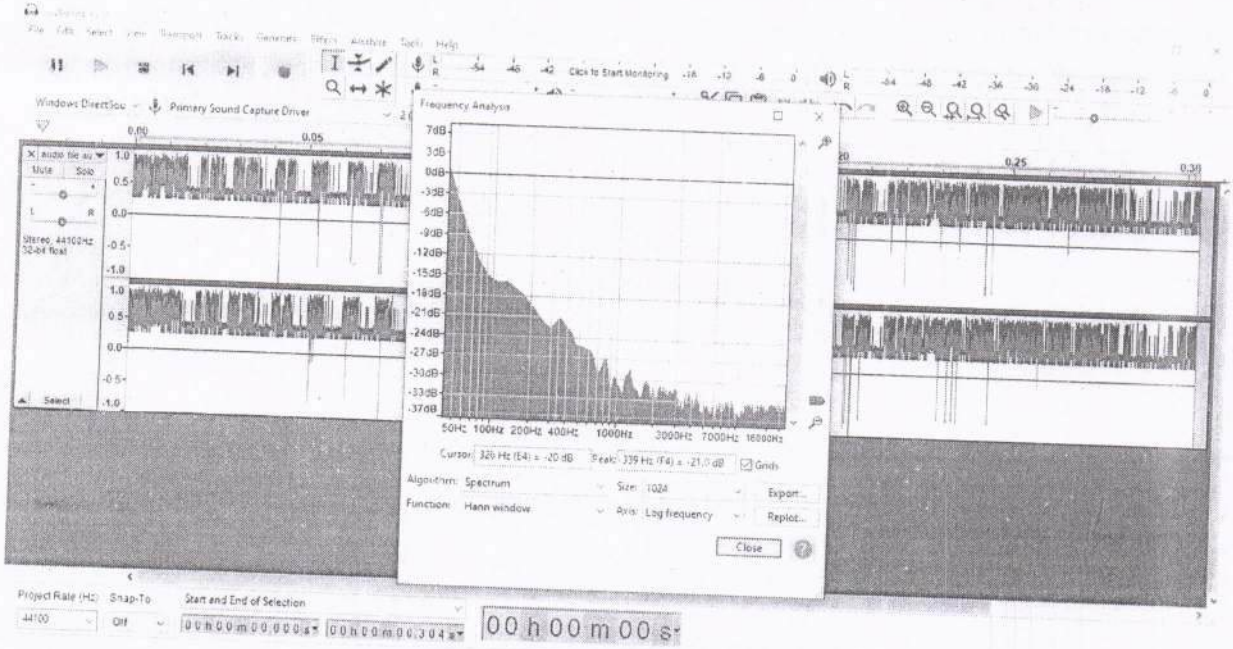


RECTANGULAR WINDOW

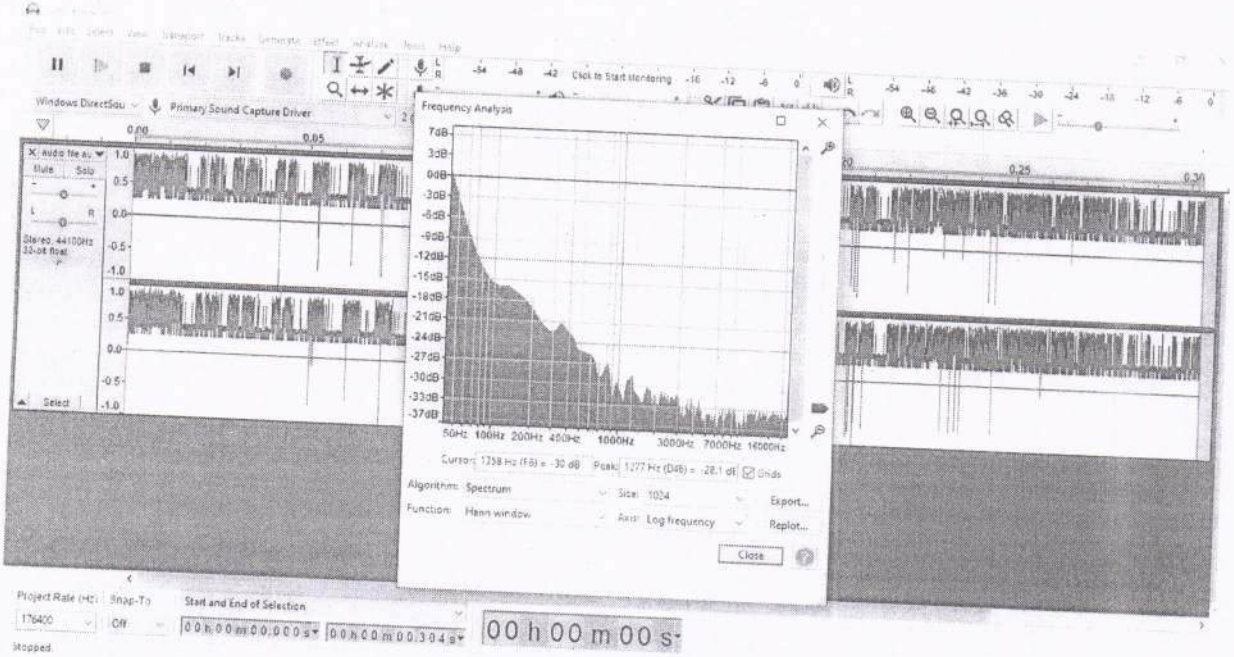
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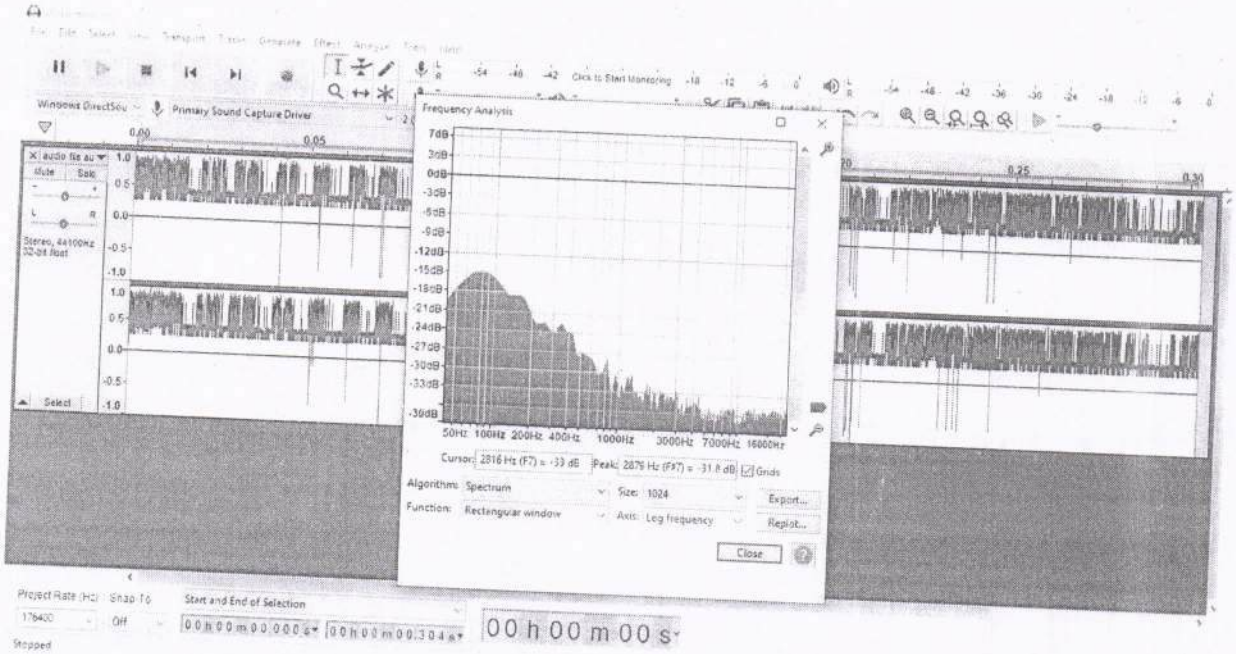
HAMMING WINDOW



HANN WINDOW



HANN WINDOW



RECTANGULAR WINDOW

BHARATI VIDYAPEETH's
COLLEGE OF ENGINEERING, LAVALE, PUNE-15
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Experiential Learning 2021-22 Report

Subject: Broad Band Communication Systems
Year: Be E&TC 2015 Pattern
Date: 22/4/2022
Total Students attended: 24

Details: "Visit To GMRT-Tata Institute of Fundamental Research (2021-2022)"

The Industrial visit was carried out at GMRT on 22nd April, 2022 for SEM VIII Electronics and Telecommunication Engineering Students. **Prof. Lalita Kiran Wani,** along with 24 students visited GMRT.

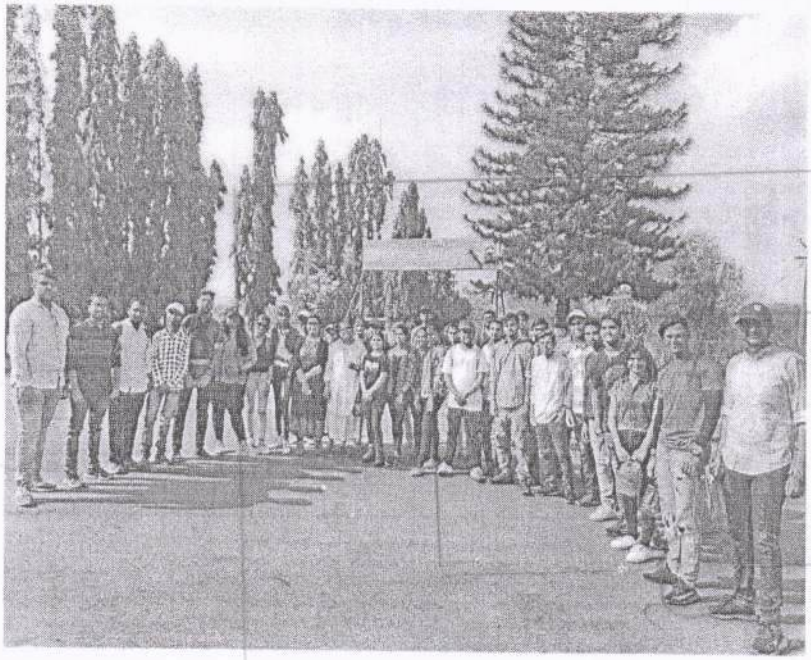
The main objective of this visit was that, as a part of the Electronics and Telecommunication Engineering, the students need to know practical fundamentals, implementation, functionality, and mechanism of antennas as also to get the knowledge of the Radio Telescope, different components involved, hardware software co-design, which is related with the Final Year core Subject "**Broad Band Communication Systems**"

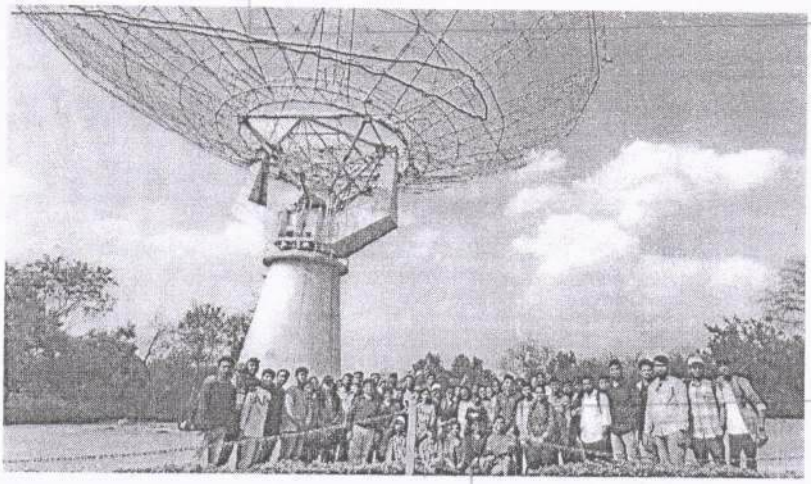
The site for GMRT, about 10 km east of Narayangaon town on the Pune-Nasik highway, was selected after an extensive search in many parts of India, considering criteria such as low man-made radio noise, availability of good communication, vicinity of industrial, educational and other infrastructure and, a geographical latitude sufficiently north of the geomagnetic equator in order to have a reasonably quiet ionosphere and yet be able to observe a good part of the southern sky as well.

After reaching their students were guided by the staff member towards one of the big antennas. It was great to know that GMRT consists of 30 fully steerable gigantic parabolic dishes of 45m diameter each spread over distances of up to 25 km.

After introduction all students were shown the big antenna and were told about how it works and were guided about its various functionalities. The meter wavelength part of the radio spectrum has been particularly chosen for study with GMRT because man-made radio interference is considerably lower in this part of the spectrum in India. Fourteen of the thirty dishes are located more or less randomly in a compact central array in a region of about 1 sq. km. The remaining sixteen dishes are spread out along the 3 arms of an approximately 'Y'-shaped configuration over a much larger region, with the longest interferometric baseline of about 25 km.

Glimpse:





The GMRT is the largest radio telescope in the whole world and hence has great appeal in astrophysics research. Astronomers from all over the world regularly use this telescope to observe many different astronomical objects such as galaxies, pulsars, supernovae, and sun and solar winds.

The visit concluded with an interactive session for the students, where they got an opportunity to interact with the concerned authorities and gain more knowledge. It was a great learning experience for one and all.

Faculty sign
Prof. Lalita Wani
(Asst. Prof.)

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, LAVALE -412115
CLASS:- (BE & SE ETC) 2021-22
Industrial Visit Student List

Sr. No	Roll No	Name of Students	
1	2	RAHUL SURENDRA PAREEK	✓
2	3	SHWETA DNYANESHWAR DOKE	✓
3	4	SHUBH RAKESH SHARMA	✓
4	10	RADHIKA SATISH CHOUDHARI	✓
5	14	PIYUSHA RAMKANT KALASKAR	✓
6	17	SHREYAS PANDITRAO KHANSOLE	✓
7	18	RUSHIKESH SUDHIR JOSHI	✓
8	19	TUSHAR RAKESH LODHA	✓
9	22	AADE KRUSHNA KADUBA	✓
10	23	AMBHORE NIKHIL RAMDAS	✓
11	28	CHAVAN KRANTI EKNATHRAO	
12	31	DESHMUKH OMKAR AVINASH	✓
13	32	DHAGE PRIYANKA RAMCHANDRA	✓
14	35	GAIKWAD SURBHI SHIVAJI	✓
15	36	GAWALI JANHAVI DIGAMBAR	✓
16	38	GUNJAL HRITVIK REVNATH	✓
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41	17	PAL PARITOSH PUNDLIK	✓
42	18	PARDESHI HIMANSHU RAJESH	✓
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46	25	SHINDE ISHWARI GORAKH	✓
47	27	SHRIVASTAV SIDDHARTH SUBHASH	✓
48	29	TORASKAR KALPESH VIJAY	✓
49	30	VETAL TANMAY SAMBHAJI	✓
50	34	WANJARI ATHARVA DEEPAK	✓
51	5	HIMANSHU SHREERAM DETHE	✓

(K. ...
Prof. (Mrs. K. ...)
Industrial Visit
Incharge)

Abrami

Palugal

Engg. 'A'

22/4/2022 Comm.

14:15 hrs - 15:15 hrs

15:15 hrs to 16:00 hrs.

Abrami

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, LAVALE

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5	6	FIRKE PRIYANKA VILAS
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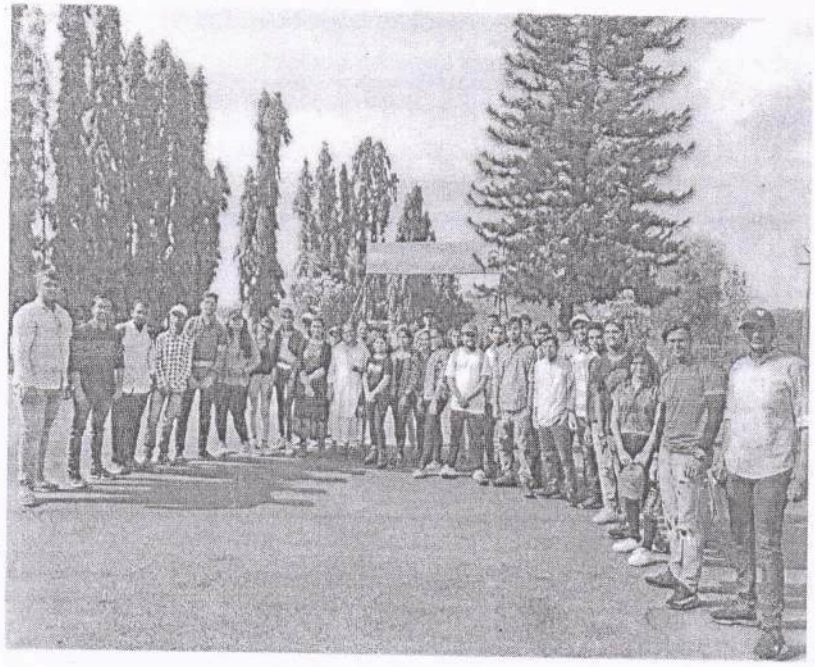
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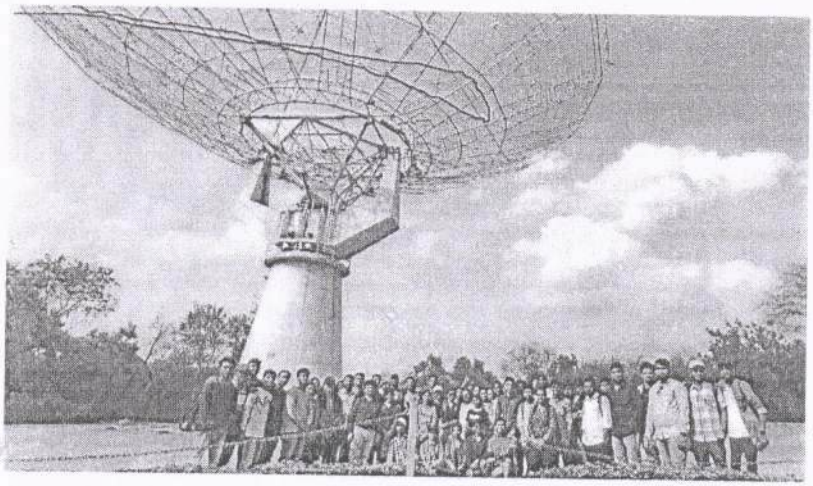
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(Dr. K. Kawarti)
[Industrial Visit Incharge]

Abhyarthi

Eng. D.
22/4/2022
14:15 hrs - 15:15 hrs.

15.15 hrs to 16.15 hrs.

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5	6	FIRKE PRIYANKA VILAS	✓	✓	✓	✓	
6	7	GOLE RITESH SUNIL	✓	✓	✓	✓	
7	9	JIDDEWAR HRUTWIK SANJAY	✓	✓	✓	✓	
8	10	KHANDETOD RUSHI YASHWANT	✓	✓	✓	✓	
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12	14	NAIKARE PRIYA RAJENDRA	✓	✓	✓	✓	
13	15	NILI MANAS RAMANMURTHI	✓	✓	✓	✓	
14	17	PAL PARITOSH PUNDLIK	✓	✓	✓	✓	
15	18	PARDESHI HIMANSHU RAJESH	✓	✓	✓	✓	
16	19	PATIL VAIBHAVI SUDHAKAR	✓	✓	✓	✓	
17	20	PRATEEK BABAN SAWANT	✓	✓	✓	✓	
18	22	RAUT KAJAL HANUMANT	✓	✓	✓	✓	
19	25	SHINDE ISHWARI GORAKH	✓	✓	✓	✓	
20	27	SHRIVASTAV SIDDHARTH SUBHASH	✓	✓	✓	✓	
21	29	TORASKAR KALPESH VIJAY	✓	✓	✓	✓	
22	30	VETAL TANMAY SAMBHAJI	✓	✓	✓	✓	
23	34	WANJARI ATHARVA DEEPAK	✓	✓	✓	✓	
24	5	HIMANSHU SHREERAM DETHE (TE)	✓	✓	✓	✓	

17 M
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33 M

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33
17 F

Bharati Vidyapeeth's College of Engineering

Lavale, Pune- 412 115, Maharashtra State.
Phone: (020) 6500 3345, Website: bvcoe.bharatividyapeeth.edu

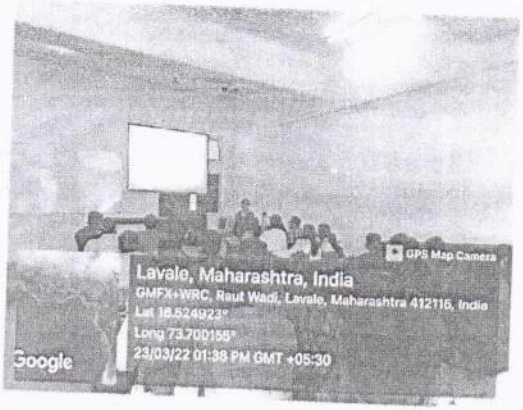
DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

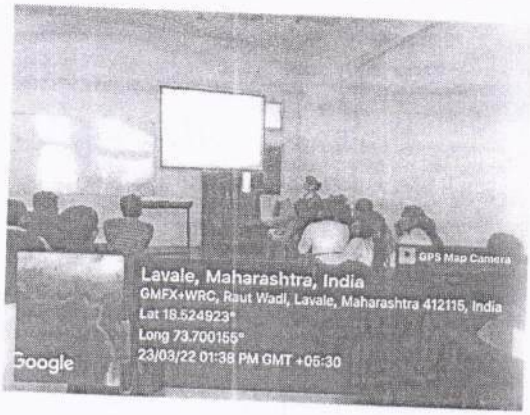
Experiential Learning 2021-22 Report

Subject : Power Devices & Circuits
Year : TE E&TC 2019 Pattern
Date : 23/3/2022
Total Students attended: 18

Details : TE E&TC students having Power Devices & Circuits subject in the academic syllabus . It includes the topic such Power electronics in electric vehicle. In a view of this, Topics Covered in Session like How do electric cars work? EVs and their range, types of electric cars, the inner parts of an EV, EV batteries - capacity and kWh.

Glimpse :





Faculty sign
Prof.S.G.Gawhale
(Assist.Professor)

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

Experential Learning

BHARATI VIDYAPEETH's

COLLEGE OF ENGINEERING, LAVALE, PUNE - 412 115

Class : TE Lecture No. :

Date : 23/03/22 Week :

Subject : PDC Name of the Faculty Member : Prof. S.G. Gawhale

STUDENTS ATTENDANCE SHEET

Lecture No.					Roll No.	Signature	Signature	Signature	Signature
Date	23/3/2022				40				
Time	1.30-2.30				41				
Roll No.	Signature	Signature	Signature	Signature	42				
1					43				
2					44				
3					45				
4	Vjankat				46				
5					47				
6	Vijay				48				
7	Yash				49				
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11					53				
12					54				
13	Darshan				55				
14					56				
15	Tanhaya				57				
16	Rupali				58				
17					59				
18	Ankit				60				
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38					80				
39					Sign				

Savitribai Phule Pune University
Third Year of E & Tc Engineering (2019 Course)
304194: Power Devices & Circuits

Teaching Scheme:	Credit	Examination Scheme:
Theory: 03 hrs. / week	03	In-Sem (Theory): 30 Marks End Sem (Theory): 70 Marks

Prerequisite Courses, if any:

1. Basic Electrical Engineering
2. Basic Electronics Engineering
3. Electronic Circuits
4. Electrical Circuits

Companion Course, if any: Power Devices & Circuits Lab

Course Objectives:

- To introduce different power devices viz. SCR, GTO, MOSFET and IGBT with construction, characteristics, repetitive and non repetitive ratings and typical triggering/driver circuits.
- To understand working, design and performance analysis and applications of various power converter circuits such as ac to dc converters, inverter and chopper
- To know various protection circuit requirements of power electronic devices.

Course Outcomes: On completion of the course, learner will be able -

CO1: To differentiate based on the characteristic parameters among SCR, GTO, MOSFET & IGBT and identify suitability of the power device for certain applications and understand the significance of device ratings.

CO2: To design triggering / driver circuits for various power devices.

CO3: To evaluate and analyze various performance parameters of the different converters and its topologies.

CO4: To understand significance and design of various protections circuits for power devices.

CO5: To evaluate the performance of uninterruptible power supplies, switch mode power supplies and battery.

CO6: To understand case studies of power electronics in applications like electric vehicles, solar systems etc.

Experiential learn

Course Contents		
Unit I	**Study of Power Devices**	**(06 Hrs.)**
Construction, VI characteristics (input, output and transfer if any), switching characteristics of SCR, GTO Power MOSFET and IGBT, Performance overview of Silicon, Silicon Carbide & GaN based MOSFET and IGBT, various repetitive and non-repetitive ratings of SCR, GTO , Power MOSFET & IGBT and their significance, requirement of a typical triggering / driver (such as opto isolator) circuits for various power devices, importance of series and parallel operations of various power devices **(no derivation and numerical).**		
Mapping of Course Outcomes for Unit I	**CO1: To differentiate based on the characteristic parameters among SCR, GTO, MOSFET & IGBT and identify suitability of the power device for certain applications and understand the significance of device ratings.** **CO2: To design triggering / driver circuits for various power devices**	
Unit II	**AC to DC Power Converters**	**(06 Hrs.)**
Concept of line & forced commutation, Single phase Semi & Full converters using SCR for R and R-L loads and its performance analysis and numerical, Effect of source inductance, Significance of power factor and its improvement using PWM based techniques, Three phase Full converters using SCR for R load and its performance analysis, Single Phase PWM Rectifier using IGBT, Three Phase Controlled Rectifier Using IGBT, Difference between SCR based conventional rectifiers and IGBT based rectifiers.		
Mapping of Course Outcomes for Unit II	**CO3: To evaluate and analyze various performance parameters of the different converters and its topologies.**	
Unit III	**DC to AC Converters**	**(06 Hrs.)**
Single phase half and full bridge square wave inverter for R and R-L load using MOSFET / IGBT and its performance analysis and numerical, Cross conduction in inverter, need of voltage control and strategies in inverters, classifications of voltage control techniques, control of voltage using various PWM techniques and their advantages, concept and need of harmonic elimination / reduction in inverters, Three Phase voltage source inverter for balanced star R load with 120 and 180 degree mode of operation, device utilization factor, Advanced Converters like matrix inverter, multi-level inverters and their topologies and its driver circuits (no derivation and numerical).		
Mapping of Course Outcomes for Unit III	**CO3: To evaluate and analyze various performance parameters of the different converters and its topologies.**	
Unit IV	**DC to DC Converters**	**(06 Hrs.)**
Classification of choppers, Step down chopper for R and RL load and its performance analysis, Step up chopper, various control strategies for choppers, types of choppers (isolated and non isolated) such as type A, B, C, D & E, switch mode power supply (SMPS) viz buck, boost and buck-boost, Fly back, Half and full Bridge isolated and non-isolated interleaved bidirectional topologies, and concept of integrated converter and design of LM3524 based choppers, concept of maximum power point tracking (MPPT).		
Mapping of Course	**CO3: To evaluate and analyze various performance parameters of the different**	

Unit V	Power Devices Protection and Circuits	(06 Hrs.)
Over voltage, over current, di/dt and dv/dt protection circuits and their design, Various cooling techniques and heat sink design, Resonant converters such as Zero current switching (ZCS) and Zero voltage switching (ZVS), Electromagnetic interference such as radiated and conducted EMI, Difference between EMI and EMC, EMI sources and soft switching and minimizing / shielding techniques for EMI, Various EMI and EMC standards, Importance of isolation transformer.		
Mapping of Course Outcomes for Unit V	CO4: To understand significance and design of various protections circuits for power devices.	
Unit VI	**Power Electronics Applications**	**(06 Hrs.)**
AC Voltage Controller using IGBT & SCR, Fan Regulator, Electronic Ballast, LED Lamp driver, DC motor drive for single phase separately excited dc motor, BLDC motor drive, Variable voltage & variable frequency three phase induction motor drive, On-line and Off- line UPS, study of various selection criteria and performance parameters of batteries in battery operated power systems, battery charging models and modes for EVs, Architecture of EVs battery charger, PFC stage circuit topologies with details of Full-bridge boost rectifier and Full-bridge interleaved for EV battery charger, case study of power electronics in electric vehicle and photovoltaic solar system		
Mapping of Course Outcomes for Unit VI	CO5: To evaluate the performance of uninterruptible power supplies, switch mode power supplies and battery. CO6: To understand case studies of power electronics in applications like electric vehicles, solar systems etc.	

Learning Resources

Text Books:

1. M. H. Rashid, "Power Electronics Circuits Devices and Applications", PHI, 4th Edition 2017 New Delhi.
2. M. D. Singh and K. B. Khanchandani, "Power Electronics", TMH, 2nd Edition 2006.

BharatiVidyapeeth's College of Engineering
Lavale, Pune- 412 115, Maharashtra State.
Phone: (020) 6500 3345, Website: bvcoe.bharatividyapeeth.edu
Department of Mechanical Engineering

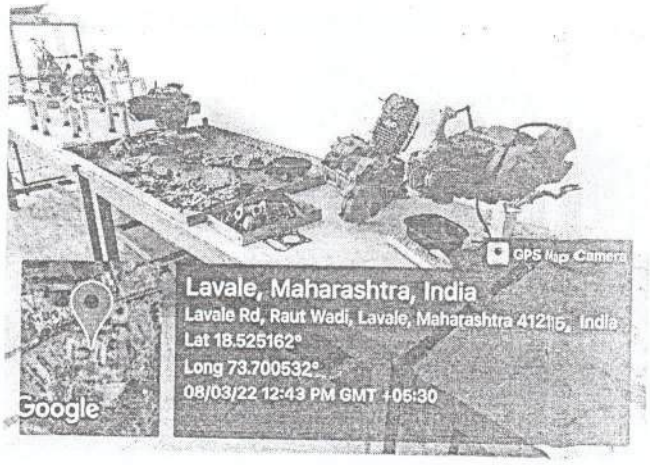
Experiential Learning 2021-22 Report

Subject : Applied Thermodynamics
Year : SE Mechanical 2019 Pattern
Date : 8/3/2022
Total Students attended: 15
Details : As per SPPU syllabus of SE Mechanical for Applied Thermodynamics subject, is having topic

1. I.C. Engine Components
2. Nomenclature
3. Terminologies in I. C. Engine
4. Intake and Exhaust System

Glimpse :





Faculty sign
Mr.N.R.Singh
(Assist.Professor)

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

Department of MechanicalEngineering.
BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEEERING, LAVALE, PUNE 412 115.
Recognized by AICTE, New Delhi & DTE Mumbai.
Affiliated to SavitribaiPhule Pune University.

Founder:
Dr. Patangrao Kadam
M.A., L.L.B., Ph.D.

Date: 02/03/2022

Experiential Learning 2021-22

Attendence

Class: SE

Sr.No	Roll No	Name of the Student	Sign
1	48	Vipul M. Chaudhari	
2	05	Atharva Gole	
3	06	Vishvajeet. V. Shinde	
4	13	Shubham Dixit	
5	01	Mayur Kachhar	
6	01	Gambhire Venkatesh	
7	03	Bhosale Mitali	
8	22	Harsha Shete	
9	07	Nikita S. Bhagat	
10	04	Vishal Vishwakarma	
11	35	Somnath Chikale	
12	20	Shubham Ambekar	
13	26	Ajinkya Mete	
14	42	Sawarkar	
15	11	Rahul Gunjal	

BharatiVidyapeeth's College of Engineering
Lavale, Pune- 412 115, Maharashtra State.
Phone: (020) 6500 3345, Website: bvcoe.bharatividyapeeth.edu
Department of Mechanical Engineering

Experiential Learning 2021-22 List of Students

Sr.No	Year	Name of the student
1	SE	Arharva Gole
2	SE	Vishwajeet Shinde
3	SE	Shubham Dixit
4	SE	Mayur Wankhade
5	SE	Gambhire Vynkatesh
6	SE	Shinde Nikhil
7	SE	Hariom Shete
8	SE	Nikita Bhagat
9	SE	Vishal Vishwakarma
10	SE	Somnath Kale
11	SE	Shubham Ambekar
12	SE	Ajinkya More
13	TE	Ujwal Choudhari
14	TE	Saurabh gaikwad
15	TE	Rahul Gunjal

Faculty sign
Mr.N.R.Singh
(Assist.Professor)

202048 - Applied Thermodynamics

Teaching Scheme	Credits	Examination Scheme
Theory : 03 Hr./Week Practical : 02 Hr./Week	04 Theory : 03 Practical : 01	In-Semester : 30 Marks End-Semester : 70 Marks Oral : 25 Marks

Prerequisite Courses

Engineering Thermodynamics, Systems in Mechanical Engineering, Engineering Mathematics - I, Engineering Mathematics - II

Course Objectives

1. To determine COP of refrigeration cycle and study Psychrometric properties and processes.
2. To study working of engine, Actual, Fuel-Air and Air standard cycle and its Performance.
3. To understand Combustion in SI and CI engines and factors affecting performance parameters
4. To study emission from IC Engines and its controlling method, various emission norms.
5. To estimate performance parameters by conducting a test on I. C. Engines.
6. To determine performance parameters of Positive displacement compressor.

Course Outcomes

On completion of the course, learner will be able to

CO1. DETERMINE COP of refrigeration system and ANALYZE psychrometric processes.
CO2. DISCUSS basics of engine terminology,air standard, fuel air and actual cycles.
CO3. IDENTIFY factors affecting the combustion performance of SI and CI engines.
CO4. DETERMINE performance parameters of IC Engines and emission control.
CO5. EXPLAIN working of various IC Engine systems and use of alternative fuels.
CO6. CALCULATE performance of single and multi stage reciprocating compressors and DISCUSS rotary positive displacement compressors

Course Contents

Unit I **Basics of Refrigeration and Psychrometry** [07 Hr.]

Refrigeration: Reversed Carnot Cycle, unit of refrigeration, Simple Vapour Compression Cycle (VCC), Refrigerating Effect, Compressor Power & COP. Simple Vapor Absorption Cycle (VAC), Comparison between VCC & VAC.

Psychrometry: Introduction, Psychrometry and Psychrometric Properties, Basic Terminologies of Psychrometric Relations, Psychrometric Processes, Psychrometric Chart.

Unit II **Introduction to Internal Combustion (IC) Engine** [06 Hr.]

IC Engine: Components and Construction details, Terminology, Classification, Applications, Intake and exhaust system, Valves actuating mechanisms, Valve timing diagram.

Fuel, Air and Actual Cycle: Air-standard cycles, fuel air cycles, and actual cycles, Effects of variables on performance, various losses, and Comparison of Air standard with Fuel and Actual cycle.

Unit III **SI and CI Engines** [09 Hr.]

SI Engines: Theory of Carburetion and Types of Carburetor, Working of Simple Carburetor, Electronic Fuel Injection System, Combustion stages in SI engines, Abnormal Combustion, Theory of Detonation and Parameters affecting detonations, Rating of fuels in SI engines, Combustion Chambers used in SI Engine.

CI Engines: Fuel Injection system, Construction and Working of Fuel Pump, Fuel Injector and Various types of Nozzle, Combustion stages in CI engines, Theory of knocking and Parameters affecting knocking, Rating of fuels in CI engines, Combustion Chambers used in CI Engines.

Unit IV **IC Engine Testing and Emission** [09 Hr.]

Engine Testing: Engine Testing Procedure, Measurement of indicated power, Brake power, fuel consumption, Air Consumption, Measurement of friction power by Willan's Line Method and Morse Test, calculation of mean effective pressure, various efficiencies, specific fuel consumption, heat balance sheet of IC Engines and performance Characteristic curves.

FE

Experiential Learning 2021-22 Report

Subject :Engineering Physics
Year : 2019 Pattern
Date : 25/04/2022
Total Students attended: 15
Details : First year students having Engineering physics subject in the academic syllabus.It includes the basic topics such as Interference , Polarization ,diffraction and its applications. Some of the students have faced difficulty in understanding the concept of Plane diffraction grating, Newton's ring, wavelength of laser light and hall effect .In a view of this, following topics taught and students learnt their understanding through Practical mode.

1. Refractive index of prism.
2. Plane transmission grating.
3. Newton's ring.
4. Hall effect
5. Wavelength of laser light.

Glimpse :



Students learn theory through Practicals .

Bharati Vidyapeeth's College of Engineering

Lavale, Pune- 412 115, Maharashtra State.
Phone: (020) 6500 3345, Website: bvcoe.bharatividyapeeth.edu

Department of Engineering Science

Students learn theory through Practicals .

2021-22 List of Students

Sr.No	Year	Name of the student
1	FE	POOJA NAVNATH SAMSE
2	FE	ASATI DEVANSH MANOJ
3	FE	AYUSH KUMAR
4	FE	RUTURAJ VIJAYSINH PAWAR
5	FE	DHYAWARNENIWAR OM LAXMAN
6	FE	BHAVAR HRISHIKESH DAGADU
7	FE	ARORA ARIA ASHISH
8	SE	SEJAL SANJAY GEDAM
9	FE	CHAUDHARY ASTHA RAJESH
10	FE	LOKESH SHARMA
11	FE	SWAMI MAHESH MALLAYYA
12	FE	NAGARGOJE PRATHAMESH RAMESH
13	FE	PIWAL RUPESH TATYARAO
14	FE	TANUSH KARTIKEYA
15	FE	BORADE RUSHIKESH PRASHANT

Faculty Sign
Dr.S.A.Bhardwaj

Founder:
Mumbai.
Dr. Patangrao Kadam
University.
M.A., L.L.B., Ph.D.

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEEERING, LAVALE, PUNE 412 115.
Recognized by AICTE, New Delhi & DTE
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Ref. No.BV/COEL/92/ 2021-22

Date: 19/ 04 /2022

Notice

Department of Electronics & Telecommunication Engineering

This is to inform to all students of SE & T.E that, an industrial visit to GMRT KHODAD is organized on 22.04.2022. All students should report at 7.00am at BV's girls hostel (Bus pick up point). College uniform and college ID Cards are mandatory throughout the visit.

Faculty Coordinator:

Prof. Aishwarya Pathak(7887828824)

Prof. Lalita Wani(9604610137)

Student Coordinator

SE:Nikhil Ambhore(9689157506)

BE:Himanshu Pardeshi(9623575558)

Prof. A. B. Wani

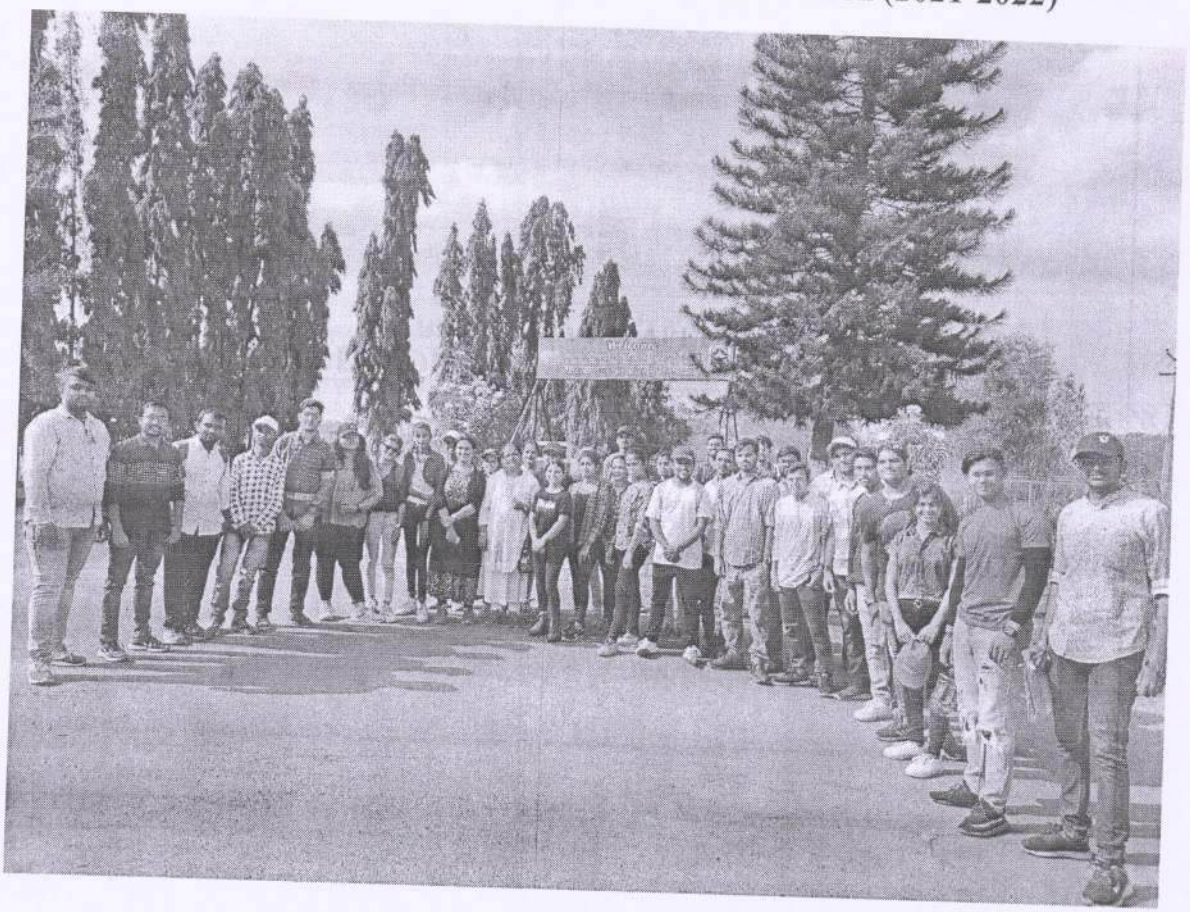
H.O.D

Head
Dept. of Electronics & Telecommunication
Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

BHARATI VIDYAPEETH's
COLLEGE OF ENGINEERING, LAVALE, PUNE-15
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Report on Industrial Visit To

"GMRT-Tata Institute of Fundamental Research (2021-2022)"



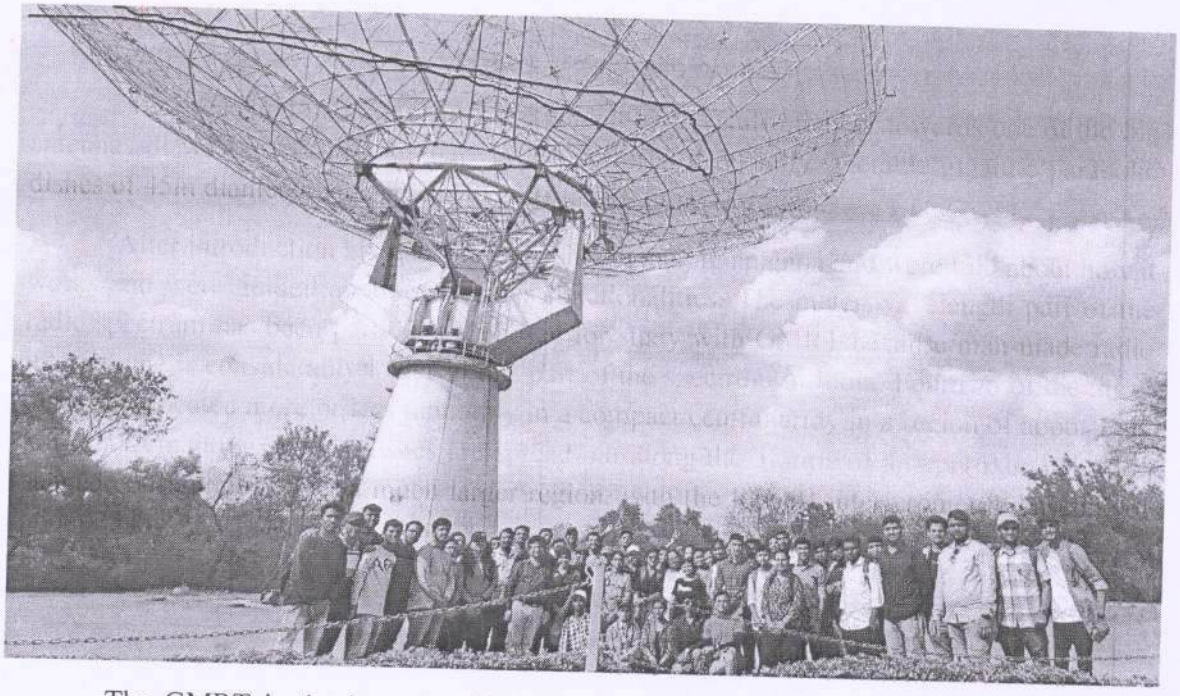
The Industrial visit was carried out at GMRT on 22nd April, 2022 for SEM IV and SEM VIII Electronics and Telecommunication Engineering Students. **Prof. Lalita Kiran Wani, and Prof. Aishwarya Sagar Pathak** along with 51 students visited GMRT.

The main objective of this visit was that, as a part of the Electronics and Telecommunication Engineering, the students need to know practical fundamentals, implementation, functionality, and mechanism of antennas as also to get the knowledge of the Radio Telescope, different components involved, hardware software co-design, etc.

The site for GMRT, about 10 km east of Narayangaon town on the Pune-Nasik highway, was selected after an extensive search in many parts of India, considering criteria such as low man-made radio noise, availability of good communication, vicinity of industrial, educational and other infrastructure and, a geographical latitude sufficiently north of the geomagnetic equator in order to have a reasonably quiet ionosphere and yet be able to observe a good part of the southern sky as well.

After reaching their students were guided by the staff member towards one of the big antennas. It was great to know that GMRT consists of 30 fully steerable gigantic parabolic dishes of 45m diameter each spread over distances of up to 25 km.

After introduction all students were shown the big antenna and were told about how it works and were guided about its various functionalities. The meter wavelength part of the radio spectrum has been particularly chosen for study with GMRT because man-made radio interference is considerably lower in this part of the spectrum in India. Fourteen of the thirty dishes are located more or less randomly in a compact central array in a region of about 1 sq. km. The remaining sixteen dishes are spread out along the 3 arms of an approximately 'Y'-shaped configuration over a much larger region, with the longest interferometric baseline of about 25 km.



The GMRT is the largest radio telescope in the whole world and hence has great appeal in astrophysics research. Astronomers from all over the world regularly use this telescope to observe many different astronomical objects such as galaxies, pulsars, supernovae, and sun and solar winds.

The visit concluded with an interactive session for the students, where they got an opportunity to interact with the concerned authorities and gain more knowledge. It was a great learning experience for one and all.

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, LAVALE -412115
CLASS:- (BE & SE ETC) 2021-22
Industrial Visit Student List

Sr. No	Roll No	Name of Students	
1	2	RAHUL SURENDRA PAREEK	✓
2	3	SHWETA DNYANESHWAR DOKE	✓
3	4	SHUBH RAKESH SHARMA	✓
4	10	RADHIKA SATISH CHOUDHARI	✓
5	14	PIYUSHA RAMKANT KALASKAR	✓
6	17	SHREYAS PANDITRAO KHANSOLE	✓
7	18	RUSHIKESH SUDHIR JOSHI	✓
8	19	TUSHAR RAKESH LODHA	✓
9	22	AADE KRUSHNA KADUBA	✓
10	23	AMBHORE NIKHIL RAMDAS	✓
11	28	~~CHAVAN KRANTI EKNATHRAO~~	
12	31	DESHMUKH OMKAR AVINASH	✓
13	32	DHAGE PRIYANKA RAMCHANDRA	✓
14	35	GAIKWAD SURBHI SHIVAJI	✓
15	36	GAWALI JANHAVI DIGAMBAR	✓
16	38	GUNJAL HRITVIK REVNATH	✓
17	40	JAGDALE VINAYAK BIBHISHAN	✓
18	41	JAGTAP PRANALI RAJENDRA	✓
19	48	KUMAVAT SIMRAN DIPAK	✓
20	49	MANDAGE SHWETA KAILAS	✓
21	50	MANE PRATHAMESH SAYAJI	✓
22	52	MASAL YOGESH MADHUKAR	✓
23	60	PHULKAR SHREYA ARUN	✓
24	61	RACHCHAWAR SHREYASH SANJAYRAO	✓
25	64	SATONE ABHINIL SUNIL	✓
26	71	VAIDYA ISHA YOGESHRAO	✓
27	72	WAGHMARE TUSHAR GANGADHAR	✓
28	1	ABHISHEK KUMAR YADAV	✓
29	2	AKASH SATYANARAYAN WATGURE	✓
30	4	BHOSALE SHARWARI SHARAD	✓
31	5	DESHMUKH VAISHNAVI VINODRAO	✓
32	6	FIRKE PRIYANKA VILAS	✓
33	7	GOLE RITESH SUNIL	✓
34	9	JIDDEWAR HRUTWIK SANJAY	✓
35	10	KHANDETOD RUSHI YASHWANT	✓
36	11	KOITHODATHU GODSON ABRAHAM	✓
37	12	MESHRAM PRASHIK NATHUJI	✓
38	13	MOMIN MOHAMMAD MAAZ FAZALUR	✓
39	14	NAIKARE PRIYA RAJENDRA	✓
40	15	NILI MANAS RAMANMURTHI	✓

41	17	PAL PARITOSH PUNDLIK	✓
42	18	PARDESHI HIMANSHU RAJESH	✓
43	19	PATIL VAIBHAVI SUDHAKAR	✓
44	20	PRATEEK BABAN SAWANT	✓
45	22	RAUT KAJAL HANUMANT	✓
46	25	SHINDE ISHWARI GORAKH	✓
47	27	SHRIVASTAV SIDDHARTH SUBHASH	✓
48	29	TORASKAR KALPESH VIJAY	✓
49	30	VETAL TANMAY SAMBHAJI	✓
50	34	WANJARI ATHARVA DEEPAK	✓
51	5	HIMANSHU SHREERAM DETHE	✓

(Prof. L.K. Warni)
[Industrial Visit Incharge]

Abhyankar

Eng. 'A'
22/4/2022 Comp. T.

14:15 hrs - 15:15 hrs

15.25 hrs to 16.10 hrs.

3.	June 10	10 am				AVAILABLE
4.	June 10	2 pm				AVAILABLE
5.	June 17	10 am				AVAILABLE
6.	June 17	2 pm				AVAILABLE
7.	June 24	10 am				AVAILABLE
8.	June 24	2 pm				AVAILABLE

MAY 2022

1. Vishwaniketan's iMEET, Khalapur	May 6	10 am	65	TE/BE	ExTC	Kate/ 9137036607
2. St.John CoE & Mngmt. Palghar	May 6	2 pm	70	II/III/IVBE	Eng	Anand/9552168344
3.n JSPM'S Rajarshi Sahu College of Engineering, Tathawade Pune.	May 13	10 am	64	II B.Tech.	Eng.	Rahul More: 9503556374
4.n JSPM'S Rajarshi Sahu College of Engineering, Tathawade Pune.	May 13	2 pm	70	II B. Tech.	Eng.	Rahul More: 9503556374
	May 20	10 am				AVAILABLE
	May 20	2 pm				AVAILABLE
	May 27	10 am				AVAILABLE
	May 27	2 pm				AVAILABLE

APRIL 2022

1.n Pravara Rural Engineering college Loni	April 1	10am	70	-	Com.	Mr. G. B. Kote: 7083106711
2. D.J.Sanghvi Engineering College, Mumbai	April 1	2pm	70	II/III	Engg	Deshmukh/9820424746
3. RAIT Nerul	April 8	10 am	50	BE	Engg	Bhushan /9766973367
4. E&CE, MITWPU, Pune	April 8	2 pm	50	III	Comp.	Patel / 8275875520
5.	**April 15**					**Holiday**
6. Jyotirvidya Parisanstha,	April 22,	10am	40	12-50yrs		Dr.Gokhale 9920514394
7. Bharti Vidyapeeth CoE Lavle,Pune	April 22	2 pm	30		Eng	Lalita 9604610137
8.n Savitribai Phule Pune University, Dept. of electronics & Instrumentation Science. Pune.	April 29	10 am	60	MSc.	Science	Pranoti Bansode: 8408875007
9 Zenity Astronomy Club, MMCoE,Pune	April 29	2 pm	60	18-22	general	Iyengar 9860687173

Founder:
Mumbai.
Dr. Patangrao Kadam
University.
M.A., L.L.B., Ph.D.

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEEERING, LAVALE, PUNE 412 115.
Recognized by AICTE, New Delhi & DTE
Affiliated to Savitribai Phule Pune

Date: 20/03/2022

Notice

Department of Electronics & Telecommunication Engineering

This is to inform to all students of BE that, an industrial visit is scheduled to national institute of Electronics & Information Technology, Calicut on 25/03/22 in virtual mode at 11.00am. Attendance is mandatory for the session.

Prof. A. B. Wani

H.O.D

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's College of Engineering, Lavale, Pune - 412 115

BHARATI VIDYAPEETH's
COLLEGE OF ENGINEERING, LAVALE, PUNE-15
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Date: 26/03/2022

Report on Industrial Virtual Visit

To

"National Institute of Electronics & Information Technology, Calicut, VLSI Design Group (2021-2022)"

The Industrial visit was carried out at NIEIT-VLSI Design Group, Calicut on 25th March, 2022 for SEM VII Electronics and Telecommunication Engineering Students. **Prof. Lalita Kiran Wani,** along with 29 students virtually visited NIEIT-VLSI Design Group,Calicut .

National Institute of Electronics and Information Technology (NIELIT) has established itself as a premier institution providing affordable quality education as per the job market requirements for candidates from all over India. With focus areas like information security, cloud computing, data science, AI, VLSI, embedded systems, industrial IoT, electronic product design and automotive electronics, the institute's curricula are an absolute blend of academic and industry-relevant competency development programs which allows the candidates to develop the skills and knowledge relevant to their career paths truly contributing towards Atmanirbhar Bharat

The main objective of this visit was that, as a part of the Electronics and Telecommunication Engineering, the students need to learn the fundamental and advanced principles of VLSI circuit design in digital and analog domain. We have visited their VLSI LAB. This Lab is used for conducting the UG/PG practicals, research activities at M.S and PhD level and to provide hands on design experience with professional design (EDA) platforms. This lab also familiarizes implementation of logical modules on FPGAs.

This visit is hosted by Mr. Sreejeesh S G ((Senior Technical Officer). While explaining about the VLSI LAB he had explained how the field of learning VLSI design is emerging rapidly and more and more students want to make their careers in VLSI design. He said VLSI field is also provides promising career opportunities and a bright future. He had introduced about their M. tech course in VLSI and how it is one of the best courses for students.

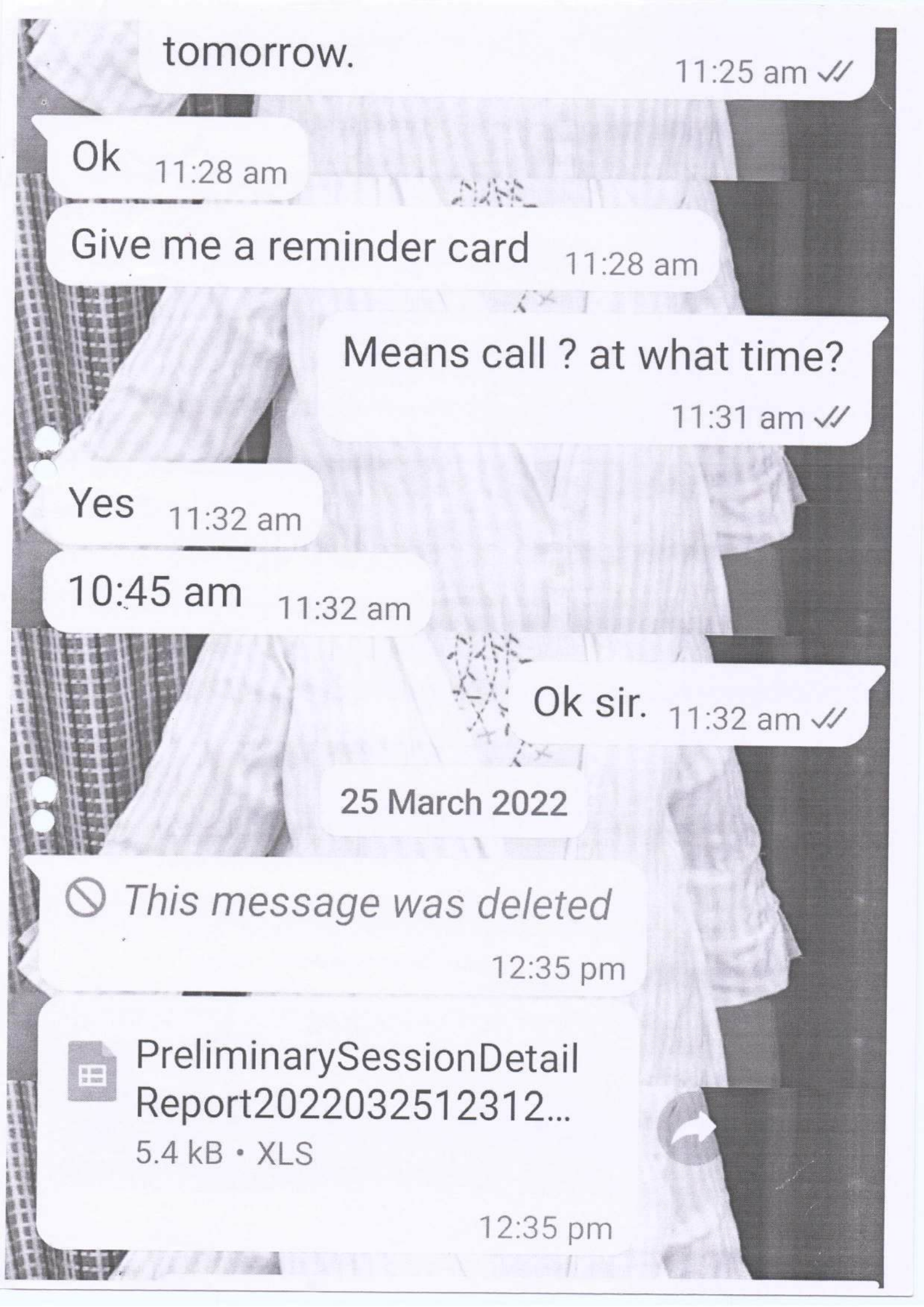
VV Coordinator
Prof. Lalita K. Wani

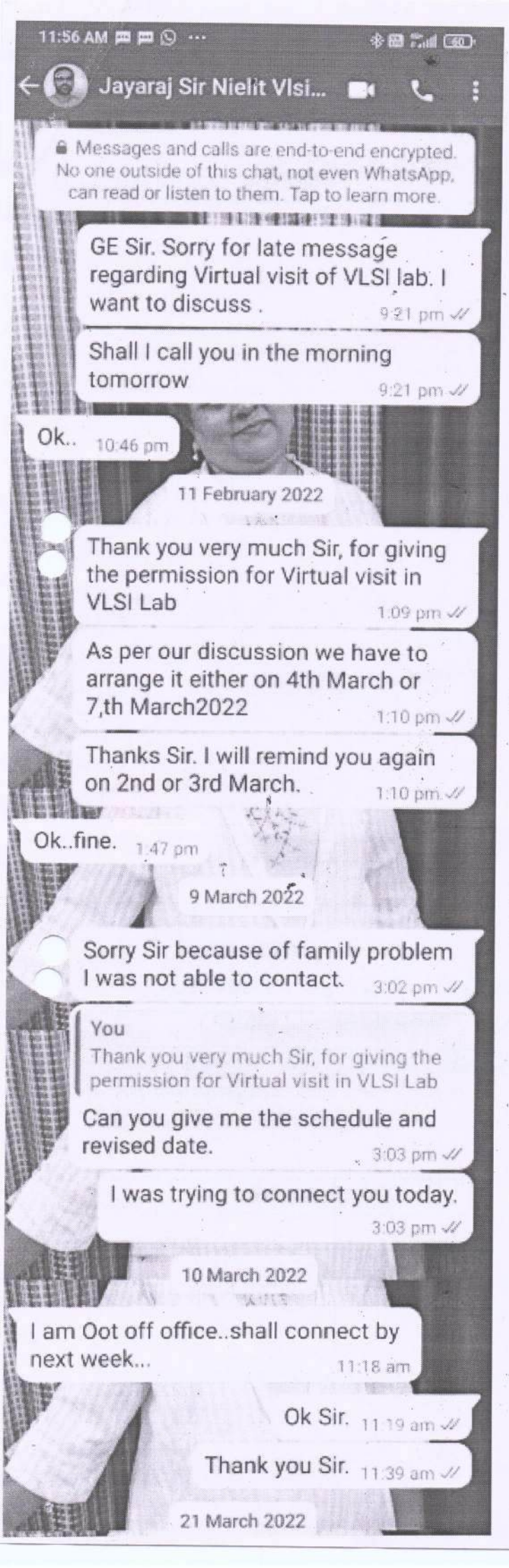
Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

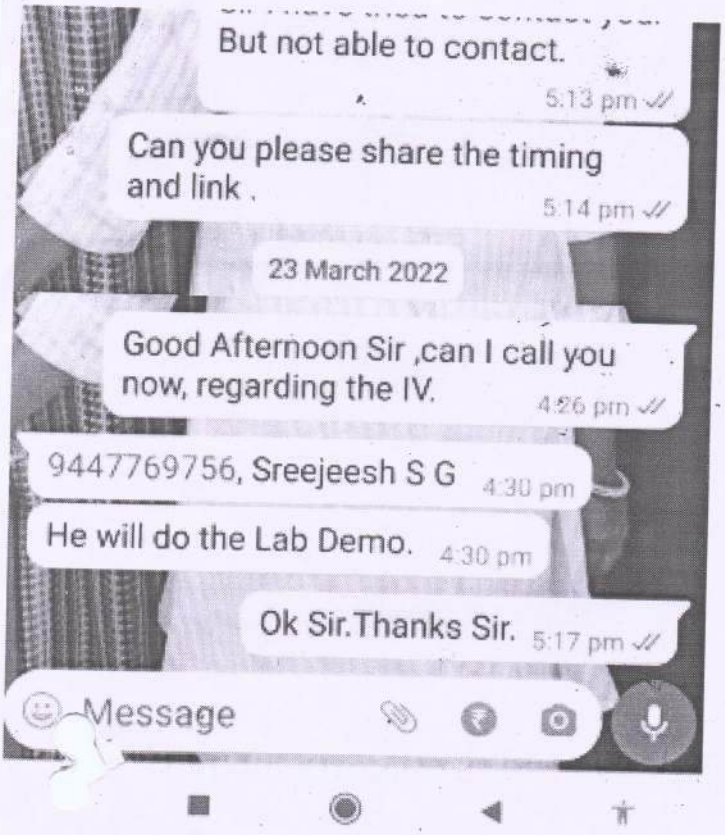
All sessions in India Time (Mumbai, GMT+05:30)
Session detail for 'Industrial Virutal Visit -Bharati Vidyapeeth's College of Engineering, Lavale,Pune':

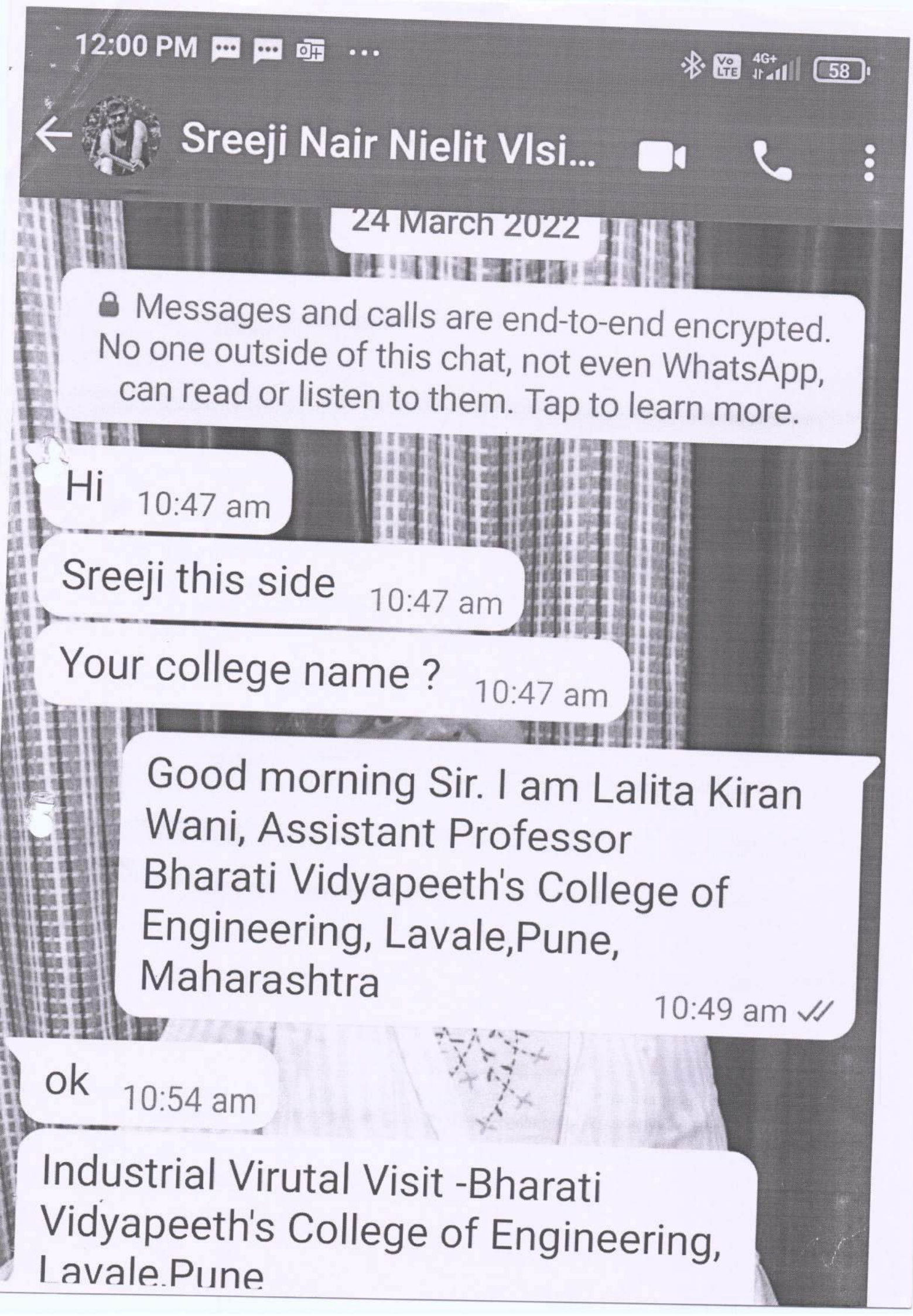
Caution: This is a preliminary report. It provides immediate access to session data before the final report

Participant Name	Email	Date	Invited
1 Sreejeesh sree	sree@calicut.nielit.in	3/25/2022	No
2 Priyanka Firke	priyankavfirke72@gmai	3/25/2022	No
3 lalita.wani	lalita.wani@gmail.com	3/25/2022	No
4 Ritesh Gole	goleritesh777@gmail.cc	3/25/2022	No
5 Hrutwik Sanjay Jidc	jiddewarhrutwik@gmail	3/25/2022	No
6 Koithodathu Godsc	godsonabraham77@gm	3/25/2022	No
7 Ajay Bhosale	ajaybhosale5373@gmai	3/25/2022	No
8 Atharva Wanjari	atharvawanjari04@gma	3/25/2022	No
9 Priyanka Firke	priyankavfirke72@gmai	3/25/2022	No
10 Ajinkya	ajinkyawadbude45@gm	3/25/2022	No
11 Rushi Khandetod	rushikhandetod@gmail.	3/25/2022	No
12 Prateek Sawant	prateeksawant121@gm	3/25/2022	No
13 Swati Amrutkar	swatiamrutkar123@gm	3/25/2022	No
14 Rutik Wadnerkar	rutikwadnerkar@gmail.(	3/25/2022	No
15 prashik	meshramprashik3581@	3/25/2022	No
16 prashik	meshramprashik3581@	3/25/2022	No
17 Rutik Wadnerkar	rutikwadnerkar@gmail.(	3/25/2022	No
18 Rupali shinde	rupalipatil4016@gmail.(	3/25/2022	No
19 Siddharth Shrivasta	shrivastavas599@gmail.	3/25/2022	No
20 Sairaj Sawant	sairajsawant51@gmail.(	3/25/2022	No
21 Vaibhavi patil	va8bhavisp511@gmail.(	3/25/2022	No
22 Manas Nili	manasnili786@gmail.co	3/25/2022	No
23 priya naikare	naikarepriya203@gmail	3/25/2022	No
24 Akash Watgure	akashwatgure2302@gm	3/25/2022	No
25 kajal Raut	kajal.raut-bvcoel@bvp.e	3/25/2022	No
26 Himanshu Dethe	himanshudethe5065@g	3/25/2022	No
27 Paritosh	paritoshpal7796@gmail	3/25/2022	No
28 Prajakta Gaikwad	gaikwadprajakta2015@	3/25/2022	No
29 Ishwari Shinde	ishwari4you20@gmail.c	3/25/2022	No
30 shubhangi	kakadeshu98@gmail.co	3/25/2022	No
31 Swati Amrutkar	swatiamrutkar123@gm	3/25/2022	No


tomorrow.
11:25 am
Ok
11:28 am
Give me a reminder card
11:28 am
Means call ? at what time?
11:31 am
Yes
11:32 am
10:45 am
11:32 am
Ok sir.
11:32 am
25 March 2022
This message was deleted
12:35 pm
PreliminarySessionDetail
Report2022032512312...
5.4 kB • XLS
12:35 pm


11:56 AM
Jayaraj Sir Nielit Vlsi...
Messages and calls are end-to-end encrypted. No one outside of this chat, not even WhatsApp, can read or listen to them. Tap to learn more.
GE Sir. Sorry for late message regarding Virtual visit of VLSI lab. I want to discuss . 9:21 pm
Shall I call you in the morning tomorrow 9:21 pm
Ok.. 10:46 pm
11 February 2022
Thank you very much Sir, for giving the permission for Virtual visit in VLSI Lab 1:09 pm
As per our discussion we have to arrange it either on 4th March or 7,th March2022 1:10 pm
Thanks Sir. I will remind you again on 2nd or 3rd March. 1:10 pm
Ok..fine. 1:47 pm
9 March 2022
Sorry Sir because of family problem I was not able to contact. 3:02 pm
You
Thank you very much Sir, for giving the permission for Virtual visit in VLSI Lab
Can you give me the schedule and revised date. 3:03 pm
I was trying to connect you today. 3:03 pm
10 March 2022
I am Oot off office..shall connect by next week... 11:18 am
Ok Sir. 11:19 am
Thank you Sir. 11:39 am
21 March 2022


But not able to contact.
5:13 pm
Can you please share the timing and link .
5:14 pm
23 March 2022
Good Afternoon Sir ,can I call you now, regarding the IV.
4:26 pm
9447769756, Sreejeesh S G 4:30 pm
He will do the Lab Demo. 4:30 pm
Ok Sir.Thanks Sir. 5:17 pm
Message


12:00 PM
Sreeji Nair Nielit Vlsi...
24 March 2022
Messages and calls are end-to-end encrypted. No one outside of this chat, not even WhatsApp, can read or listen to them. Tap to learn more.
Hi 10:47 am
Sreeji this side 10:47 am
Your college name ? 10:47 am
Good morning Sir. I am Lalita Kiran Wani, Assistant Professor Bharati Vidyapeeth's College of Engineering, Lavale,Pune, Maharashtra 10:49 am
ok 10:54 am
Industrial Virutal Visit -Bharati Vidyapeeth's College of Engineering, Lavale,Pune

Hosted by Sreejeesh

https://nielitcalicut.webex.com/nielitcalicut/j.php?MTID=m010680774a66f3f9bf86451e8dcdb14e
Friday, Mar 25, 2022 11:00 am | 1 hour | (UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi
Meeting number: 2511 504 7025
Password: nielit123

Join by video system
Dial 25115047025@nielitcalicut.webex.com
You can also dial 210.4.202.4 and enter your meeting number.

Join by phone
+65-6703-6949 Singapore Toll

Access code: 251 150 47025

11:20 am

BHARATI VIDYAPEETH'S

COLLEGE OF ENGINEERING LAVALE, PUNE 412115

BVCOEL/COMP/21-22/331-A

Date: 28/01/2022

Department of Computer Engineering

Notice

All the students of S.E., T.E. and B.E. are hereby informed that the Industrial Visit is organized at Indian Meteorological Department, Shivajinagar on 3/3/2022. All students should report to TE classroom sharp at 9.15 am on same day in proper College Uniform.

Dr. U. C. Patkar

H. O. D.

Head
Dept. of Computer Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

Comp.

BHARATI VIDYAPEETH'S

COLLEGE OF ENGINEERING LAVALE, PUNE 412115

Date: 3/3/2022

Report
On
"Industrial Visit to Indian Meteorological Department"

The Department of Computer Engineering, Bharati Vidyapeeth's College of Engineering Lavale, Pune, always plan Industrial visits to brighten student's knowledge about practical aspects. The '**Industrial visit to "Indian Meteorological Department"** was successfully organized on 3rd **March 2022** on the Occasion of **National Science Day** for S.E.,T.E. and B.E. students of Department of Computer Engineering. Students as well as faculty members enthusiastically participated in this visit. Around 53 students from of S. E. and T.E. Computer Engineering and two faculty members namely Prof. M. A. Patil, Prof. P. M. Kadam along with H.O.D., Dr. U. C. Patkar enthusiastically participated in this Industrial Visit.

The Visit started at the College Campus by College bus around 10am, and then Participants headed towards Indian Meteorological Department, Pune at Shivaji Nagar, Pune for Visit. Each instructor at various Divisions from IMD introduced about their respective area. Also gave the brief idea about Indian Meteorological Department. Also demonstrated their work in brief and cleared all doubts of students. It really built the students Interest in Field work.

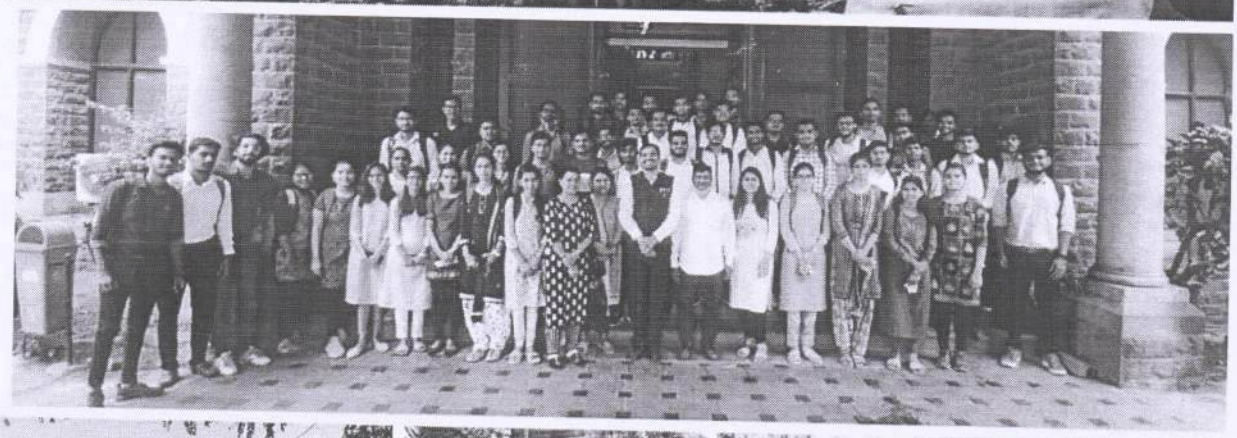
The Focus points of this Visit were,

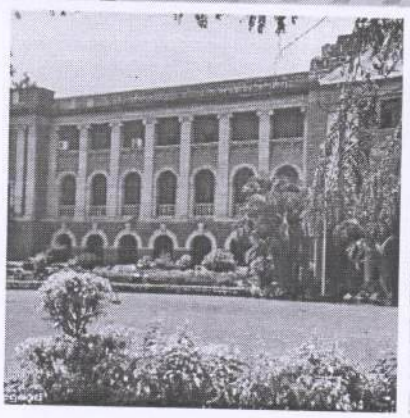
- To give more Practical Exposure to Students by site visit
- To enhance the students interest in Indian Meteorological Department.

This Industrial Visit was well organized by the department of Computer Engineering and co-ordinated by Prof. Megha Patil along with the immense support of HOD, Dr. Uday Patkar. Overall this visit was a successful in order to increase Students knowledge about various activities performed at IMD. Also it formed student's interest to work by means of Internship activity.

PHOTOS









Prof. M. A. Patil

(Event Co-coordinator)

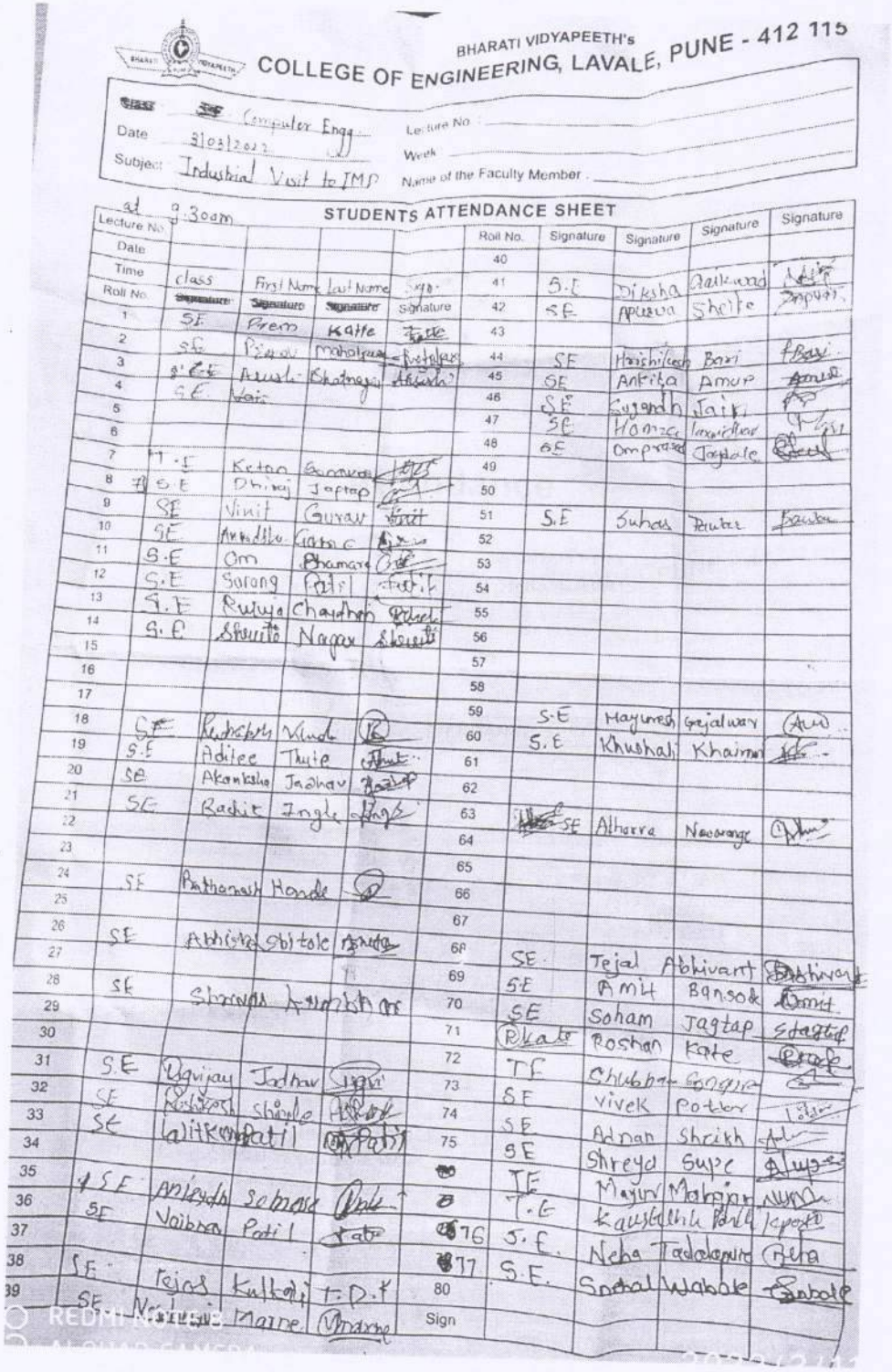
Dept. of Computer Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

Prof. U. C. Patkar

(H. O. D.)

Head
Dept. of Computer Engineering
Bharati Vidyapeeth's
College of Engineering
Lavale, Pune - 412 115

Attendance



BHARATI VIDYAPEETH's
COLLEGE OF ENGINEERING, LAVALE, PUNE - 412 115

Class: SE Computer Engg. Lecture No:
Date: 5/03/2022 Week
Subject: Industrial Visit to IMS Name of the Faculty Member:

at 9.30am

STUDENTS ATTENDANCE SHEET

Lecture No.						Roll No.	Signature	Signature	Signature	Signature
Date						40				
Time	class	First Name	Last Name	Sign		41	S.E	Diksha	Gaikwad	
Roll No.	Signature	Signature	Signature	Signature		42	SE	Apurva	Shirke	
1	SE	Prem	Katte			43				
2	SE	Pinaki	Mahajan			44	SE	Harshilesh	Bari	
3	SE	Anush	Bhatnagar			45	SE	Ankita	Amrut	
4	SE	Hair				46	SE	Sugandh	Jaiki	
5						47	SE	Hamza	Jawadwar	
6						48	SE	Omprasad	Jagtap	
7	S.E	Ketan	Gaware			49				
8	S.E	Dhiraj	Japtap			50				
9	SE	Vinit	Gurav			51	S.E	Suhas	Pawar	
10	SE	Aniruddha	Gaikwad			52				
11	S.E	Om	Bhamare			53				
12	S.E	Sarang	Patil			54				
13	S.E	Rutuja	Chavhan			55				
14	S.E	Shruti	Nagar			56				
15						57				
16						58				
17						59	S.E	Mayuresh	Gajalwar	
18	SE	Rushikesh	Wavde			60	S.E	Khushali	Khairnar	
19	S.E	Aditee	Thute			61				
20	SE	Akanksha	Jadhav			62				
21	SE	Rachit	Ingle			63	SE	Atharva	Nawarange	
22						64				
23						65				
24	SE	Pathanwar	Hande			66				
25						67				
26	SE	Abhishek	Shitole			68	SE	Tejal	Abhivant	
27						69	SE	Amit	Bansod	
28	SE	Shravan	Kamble			70	SE	Soham	Jagtap	
29						71	SE	Roshan	Kate	
30						72	TE	Shubham	Gangire	
31	S.E	Digvijay	Jadhav			73	S.E	Vivek	Potter	
32	SE	Rushikesh	Shinde			74	S.E	Adnan	Shaikh	
33	SE	Lalit	Patil			75	SE	Shreyas	Supe	
34						76	TE	Mayur	Mahajan	
35	SE	Aniruddha	Sawant			77	T.E	Kaustubh	Parit	
36	SE	Vaibhav	Patil			78	S.E.	Neha	Tadakapure	
37						79	S.E.	Sonal	Wabale	
38	SE	Rajas	Kulkarni	T.P.T		80				
39	SE	Nilesh	Mane			Sign				

Bharati Vidyapeeth's College of Engineering, Lavale.

Lavale, Pune- 412 115, Maharashtra State.

Phone: (020) 6500 3345Website: bvcoe.bharatividyapeeth.edu

Department of Civil Engineering

BVCOEL/CIVIL/2021-22/

Date-29 July 2021

Important Notice

All the students of TE are informed that the virtual visit of Design of steel structures is arranged on 30/7/2021 at 10 am. The visit is compulsory for all the students. All the students should join the visit before time.

Link will be provided to you prior to the meeting.

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

Bharati Vidyapeeth's, College of Engineering, Lavale, Pune.

Date:JULY 30, 2021

VIRTUAL SITE VISIT REPORT

1. Name: Virtual Site Visit for TE Civil (Design of Steel Structures)

2. Day&Date: Friday JULY 30, 2021

3. Time: 10 – 11 AM

4. SITE Venue: Administration Building Canopy, BVCOEL

5. Description:

A) Introduction, Theme & Significance:

Introduction:

The roof truss which we have virtually visited is the administration building of BVCOEL, Pune.In the premises of Bharati Vidyapeeth's Campus roof truss is constructed. Located in Lavale, Taluka–Mulshi, which is a flat top- Pratt Truss.

The set of steel roof trusses, interconnected with purlins which support G. I. (Galvanized Iron) sheets. Parallel Chord - Flat Top – Pratt Truss and joints connected with bolted as well as welded connections.

Theme:

The theme of Site visit was to build the confidence of students, practical knowledge of students and aware them for subject overview.

To understand the

- **Basics components of roof truss.**
- **Types of roof trusses.**
- **Loads coming on roof truss.**
- **Aspects of steel structure in joining of various members.**

Significance:

After the visit students understood the basics of roof truss as a steel structure and practical knowledge of connections between various members which is useful for students from syllabus as well as exam point of view.

b) Conduction, Activity-

Conduction:

The site visit arranged by Prof. S.C. Mane.

Activity:

As part of the syllabus of T.E. Civil of the subject DESIGN IN STEEL STRUCTURE were taken to place of structural importance. The team comprising of 75 students was leaded by Prof.S. Mane (Civil Department BVCOE, Lavale, Pune. The course of study visit, lasted for 1 hour (i.e. on JULY 30, 2021).

The students of Department of Civil Engineering BVCOE, Lavale, Pune, studied Design in Steel structureas a part of curriculum in the form of site visit for a practical knowledge.On JULY 30, 2021 at around 10 am towards the uppermost floor of BVs educational building. The team of students of TE civil 5th semester and the professor.

During the virtual visit we observed various components and joints of steel truss of structural importance. Mane sir introduced us the whole structure of roof in a well informative way virtually using photographs. Explained us about all the basic things present on the site i.e. the different parts of truss and connections. Mane sir gave us the information regarding the joints between different members, column to beam connection and also the different sections used in the steel truss.

Students were welcome with their views on this virtual visit as well as answers were given by the professor for the doubts of students.

PHOTO 1 – Visit to administrative building roof truss

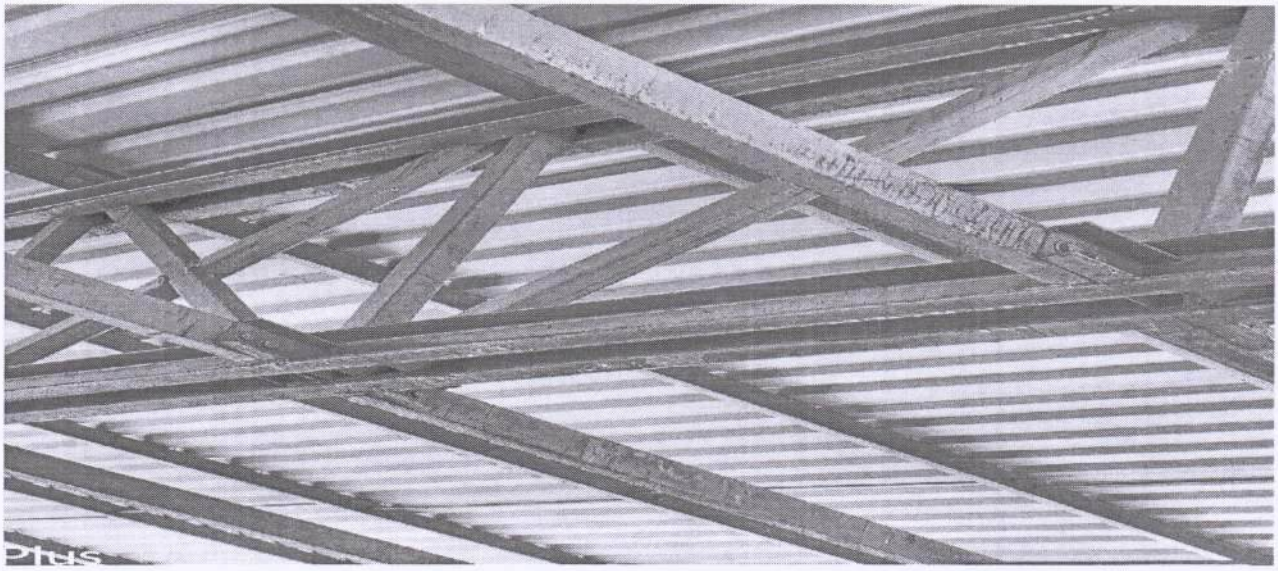


PHOTO 2 –Tie member and connections



A tension member is also called as a tie member or simply a tie. In some cases tension member also subjected to bending either due to eccentricity of the longitudinal load or due

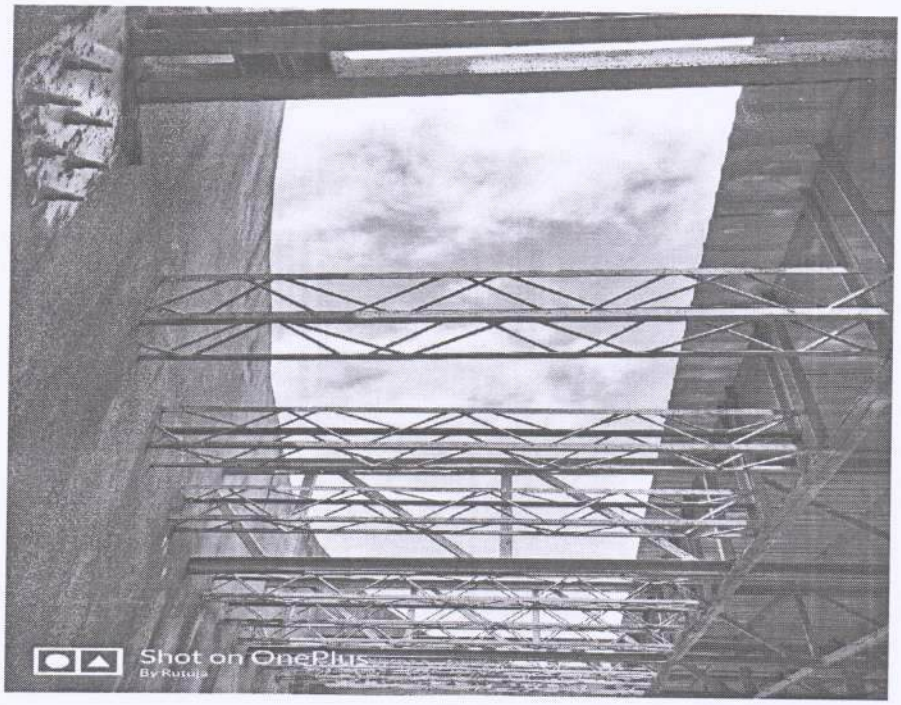
to transverse loads acting in addition to the main longitudinal load. A tension member is one of the most commonly occurring types of structural members.

PHOTO 3 - Parallel chord – flat top – Pratt truss



The parallel chord or flat truss gets its name from having parallel top and bottom chords. This type is often used for floor construction, but can also be used in roof applications.

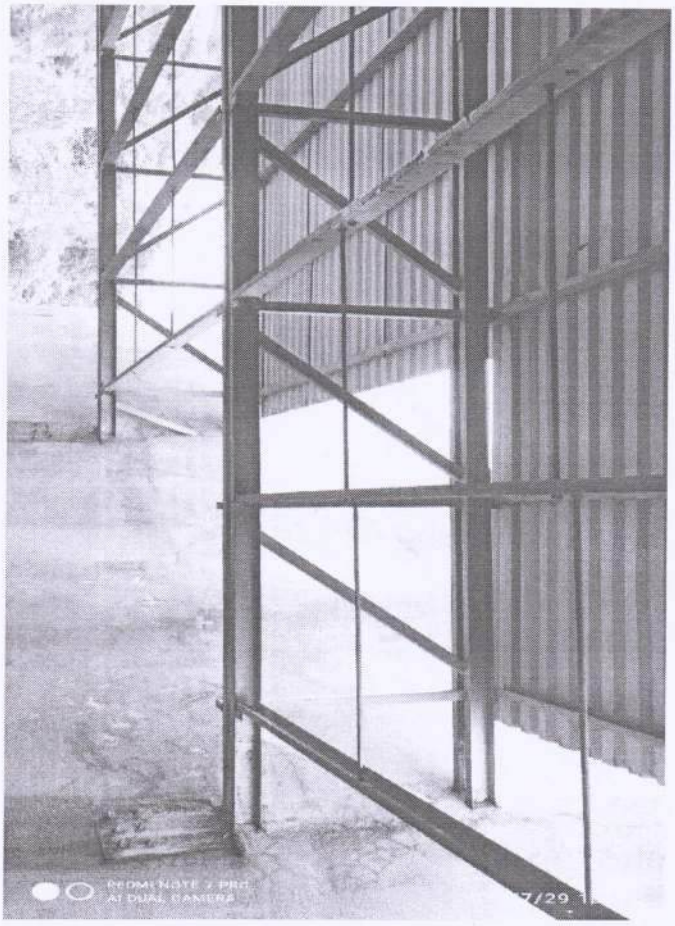
PHOTO 4 – Column to Beam Connection



The connection of the beam (IPE200) **with the column is made only by the levels of the beam, through previously made joints, one for each one of the levels of the beam. The joints can be made from hot rolled or welded L-profiles depending on the needed thickness, with welded triangular web in the middle of its strengthening.**

PHOTO 5 – Lacing System

Lacing consists of connecting the components of the column by a system of generally flat plates. (In some cases angles and channels are also used as lacings).



S.C Mane.

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING LAVALE, PUNE – 412115

DEPARTMENT OF MECHANICAL ENGINEERING

DATE:- 17/01/2020

To:- All BE Mechanical students

All BE mechanical students are hereby informed that Industrial visit to Hydro Power Plant for the subject Energy Engineering is scheduled on 22nd January 2020. All students to remain present for the visit.

Following are the details of the visit:

1. Place of Visit":- Panshet Hydro Power Plant.
2. Time:- 10.00 am.
3. Mode of Transportation: - College Bus.
4. One day industrial visit charges Rs. 100 (18% GST extra). This fee is as per the detail received from MSPGC.

Instructions for the visit.

1. College uniform, ID card and shoes are compulsory.
2. Mobile phones are not allowed inside the premises.

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

H. O. D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale P

BHARATI VIDYAPEETH'S

COLLEGE OF ENGINEERING

Lavale, Pune-412115

MECHANICAL ENGINEERING DEPARTMENT

A Report on Industrial Visit to Panshet Hydroelectric Power Station, Velhe,Dist.- Pune, Maharashtra.

Place of Industrial Visit:- Panshet Hydroelectric Power Station, Velhe, Dist.- Pune, Maharashtra.

Information

A. BRIEF HISTORY :- Panshet Dam, also called Tanajisagar Dam, is a dam on the Ambi river about 50 km (31 mi) southwest of the city of Pune in western India. The dam was constructed in late 1950s for irrigation and, along with three other dams nearby, Varasgaon, Temghar and Khadakwasla, it supplies drinking water to Pune.

B. GENERAL

Installed Capacity : 8.33 MW	Year of commencement of Power station work: 1972
No. of Unit x unit size : 1×8.33 MW	Location : 50 KM from Lavale
Coordinates:- 18°23′15″N 73°36′46″E	Address : Post- Panshet, Taluka: Velhe, Dist-Pune

C- CIVIL CONSTRUCTION DETAILS :

C.1 DAM

The height of the dam above its lowest foundation is 63.56 m (208.5 ft) while the length is 1,039 m (3,409 ft). The volume content is 4.190 km3 (1.005 cu mi) and gross storage capacity is 303,000 m3 (10,700,000 cu ft).

HYDRAULIC DATA RELATED TO HYDRO UNIT

a. Max. Head at turbine inlet at FRL : 33.937 Meter
b. Min. Head at turbine inlet w.r.t. Level at MDDL : 18.24 Meter
c. Nominal /Design head : 25 Meter
d. Max. Design Discharge : 44 M^3/sec
e. Max. Tailrace level : 582.3 Meter
f. Max. Output : 8.33 MW

C. TURBINE:

a. Type of turbine: Vertical shaft Francis
b. Manufacturer : **M/S BHEL, Bhopal**
c. Year of the manufacturer/ Machine no.: 1986
d. Capacity at design/ rated head: 8 MW
e. Max. Output at max head : 8.33 MW
f. Max. Output at minimum head: 6 MW
g. Rated speed : 300 RPM
h. Guaranteed efficiency at rated head: 91.9 %
i. Number of blades: 6 Nos

Date of an industrial visit	:- 22 January 2020
Day of an industrial visit	: - Wednesday
Time of the visit	: - 10.00 am to 2.30 pm
Total student strength visited	: - 50
Class and year	: - B.E. Mechanical
Name of the faculty In-Charge during visit	: - 1. Prof. N. R. Singh 2. Prof. S. P. Dhamone

1. During the visit Principle and working of Turbine and generator shown at the hydro power plant to students.

2. Hydroelectric power comes from the potential energy of dammed water driving a water turbine and generator.

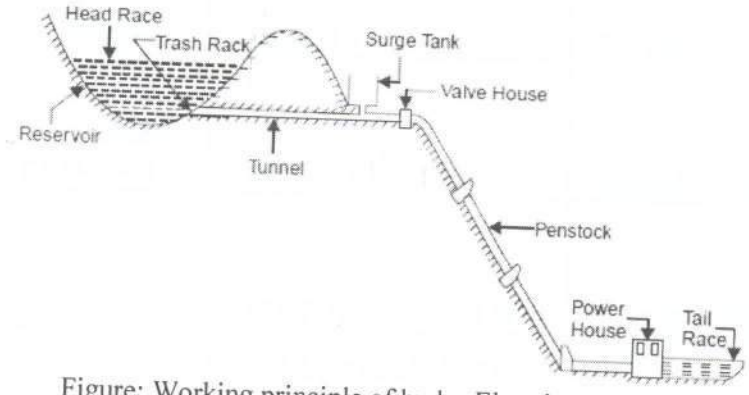


Figure: Working principle of hydro Electric power plant

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Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale P

2018-19

Bharati Vidyapeeth's College of Engineering, Lavale.

Lavale, Pune- 412 115, Maharashtra State.

Phone: (020) 6500 3345Website: bvcoe.bharatividyapeeth.edu

Department of Civil Engineering

BVCOEL/CIVIL/2018-19/

Date- 6/8/2018

Important Notice

All the students of TE are informed that the visit to BVCOEL terrace floor water proofing is arranged on 8/8/2018 at 2 pm. The visit is compulsory for all the students. All the students should gather near Civil Department office before time.

Note- Student should wear college uniform, shoes and Identity Card.

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College of Engineering Lavale, Pune

BHARTI VIDYAPEETH'S COLLEGE OF ENGINEERING, LAVALE, PUNE.

Site visit at the BVCOEL,Pune

Visit date: 08.08.2018 between 2pm to 3:30 pm

Faculties namely Prof. P.P.Mahadik & Prof. Rathod with 3rd sem civil Engg. Students

Objective of visit: Technical exposure of water proofing of roof, formwork, columns & beams

Students from 3rd sem of civil Engineering of Bharti Vidyapeeth's College of Engineering, Lavale , Pune with two faculty members Prof. P. P. Mahadik & Prof. Rathod went for site visit at the working site of BVCOEL,Pune on 08.08.2018. Total 6 students along with two faculty members visited the site to gain practical knowledge. In this visit they have seen the work of water proofing of roof , formwork for columns etc.

Water proofing of roof

Water proofing is the treatment of surface or structure to prevent the passage of water under hydrostatic pressure. A damp proofing barrier system is used to perform the same functions as a waterproofing system but cannot be used to protect against water pressure. Water may be forced through building members by hydrostatic pressure, water vapour gradient, capillary action, wind driven rain, or any combination of this. Leakage of water into structure may cause structural damage, and invariably cause damage to the contents of the structure.

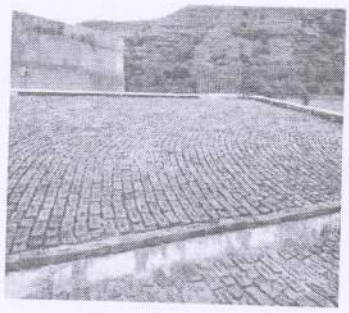
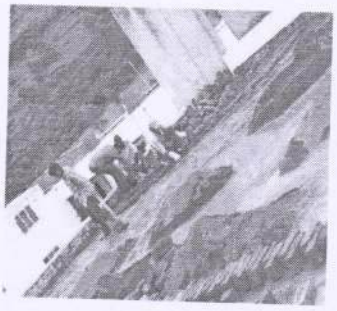
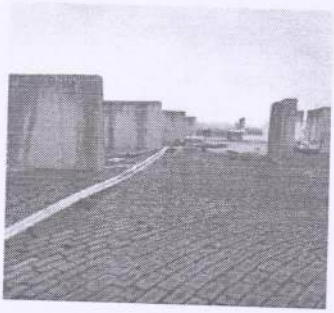
Roof water proofing by brick bat coba: Roof slabs are constructed by RCC needs insulation for thermal comfort and waterproofing treatment to prevent leakage of water. Bothe these requirements are fulfilled b this brick bat coba treatment.

All existing treatment, coating on roof slab top is to be removed and and surface is cleaned. All non-structural cracks more than 0.5mm wide and construction joints should be cut into V shape and cleaned. Then the cracks are filled by modified cement or mortar and spread upon cleaned surface. Over this 15mm thick cement, sand mortar, 1:4 admixed, with water proofer is laid.

Brick bat laying: On the above green mortar, a layer of brick bats, soaked overnight in water, is laid, having an average thickness of about 110mm, about 70mm near rain water pipe and 150mmat ridge.

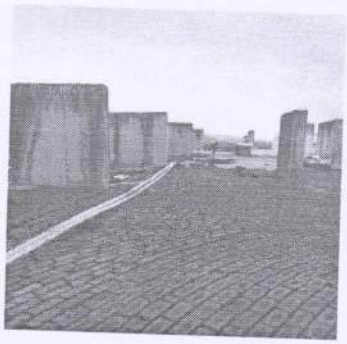
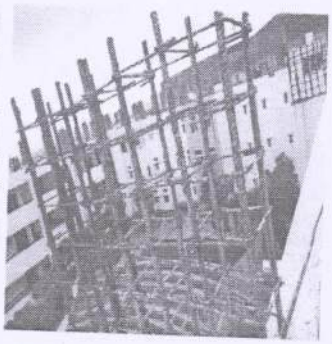
The gaps between the brick bats are generally kept between 15 and 20mm. These gaps are filled with cement sand mortar, 1:4, admixed with water proofer. Curing should start next day continued for 7 days.

Finishing layer: Top surface is then finished smooth with 20mm cement sand mortar, 1:4 admixed with water proofer. The surface when green is marked with300mm false squares.

Formwork and installation of column

It is temporary or permanent moulds into which concrete or similar materials are poured. Reinforcement bars are set by lapping onto the bars below them. Formwork is inserted where columns should be. Concrete is casted into the formwork is shaken to eliminate any air bubble and even out the concrete layer.

Abstract of overall knowledge gained and doubts cleared:

1. How waterproofing of roof is done?

2. Arrangement of formwork

3. Installation of column etc.



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BHARATI VIDYAPEETH's

COLLEGE OF ENGINEERING, LAVALE, PUNE - 412 115

Class : _____ Lecture No. : _____

Date : 6/8/2018 Week : _____

Subject : Site Visit Name of the Faculty Member : S.T. Rathod

STUDENTS ATTENDANCE SHEET

Lecture No.	—				Roll No.	Signature	Signature	Signature	Signature
Date	8/8/2018				40				
Time	2-3 pm				41				
Roll No.	Signature	Signature	Signature	Signature	42				
1	Amruta				43				
2	—				44				
3	Aman				45				
4					46				
5					47				
6					48				
7	Nagesh				49				
8					50				
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11	Om				53				
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14	Dhanshri				56				
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Department of Civil Engineering

Internship Student List Sem-II- A. Y.- 2022-2023

Class TE (CIVIL) **A. Y. : 2022-2023** **Internship Period 21st January 2023 to 21st February 2023.**

Roll No.	Exam Seat No	Batch	Name of Student	Name of Company	Duration (01 Month)
1	T191110001	A	RATHOD DILIP SARJERAO	Pragati Infra Services	21st January 2023 to 21st February 2023
2	T191110002	A	AGRAWAL CHIRAG DEEPAK	Pragati Infra Services	21st January 2023 to 21st February 2023
3	T191110004	A	ANKUR SANJAY KOLTE	Manisha Enterprises	21st January 2023 to 21st February 2023
4	T191110006	A	APURVA KISHOR GORE	Classic Promoters & Builders private ltd	21st January 2023 to 21st February 2023
5	T191110007	A	BANDGAR SHRADHA D.	Gangotri Homes	21st January 2023 to 21st February 2023
6	T191110008	A	BHABAD TUSHAR P.	Shree Sairaj Buildcon	21st January 2023 to 21st February 2023
7	T191110009	A	BHAGAT AMIT SANTOSH	Saket Construction	21st January 2023 to 21st February 2023
8	T191110013	A	BHOSALE SHATANAND K.	Bhavani Enterprises	21st January 2023 to 21st February 2023
9	T191110015	A	CHAVAN SAJAN ASHOK	Shree Planning & Structural Consultant	21st January 2023 to 21st February 2023
10	T191110016	A	CHAVAN SHRADHESH S.	Parin Construction	21st January 2023 to 21st February 2023
11	T191110017	A	CHAVHAN KARTIK SUNIL	Saideep Enterprises	21st January 2023 to 21st February 2023
12	T191110018	A	CHOUDHARI ROHIT M.	Badhekar Group	21st January 2023 to 21st February 2023
13	T191110020	A	GAIDHANI ASHITOSH B.	Karda Constructions Ltd	21st January 2023 to 21st February 2023
14	T191110021	A	GAIKWAD AJINKYA VIJAY	Shree Dattakrupa Bhumi Developers	21st January 2023 to 21st February 2023
15	T191110022	A	GAIKWAD ROHIT ASHOK	Parin Construction	21st January 2023 to 21st February 2023
16	T191110025	A	JAMADAR NAGESH SURESH	Life Republic	21st January 2023 to 21st February 2023
17	T191110027	A	KAMTHE KHUSHALI AJAY	Shree Sairaj Buildcon	21st January 2023 to 21st February 2023
18	T191110028	A	KHARAD PRATAP VITTHAL	Creative Constructions	21st January 2023 to 21st February 2023
19	T191110029	A	KOHALE RUSHIKESH V.	JP Consultanat & Engineers	21st January 2023 to 21st February 2023
20	T191110032	A	LALGE VAIBHAVI M.	TIPL Thakur Infra Projects Pvt. Ltd.	21st January 2023 to 21st February 2023
21	T191110034	A	MANDALE SHANTANU S.	Badhekar Group	21st January 2023 to 21st February 2023
22	T191110035	A	MANE PRANJALI VYANKAT	Classic Promoters & Builders private ltd	21st January 2023 to 21st February 2023
23	T191110037	A	MAWANDE YASH RAJIV	Shree Constructions	21st January 2023 to 21st February 2023
24	T191110040	A	NANDANWAR JHANVI DILIP	Jagannath Developers	21st January 2023 to 21st February 2023
25	T191110041	A	NERKAR KALYANI NITIN	Swami Samarth Developers	21st January 2023 to 21st February 2023
26	T191110042	B	PAITHANE ABHISHEK S.	Kakde Engineers & associates	21st January 2023 to 21st February 2023
27	T191110043	B	PARHATE TANMAY D.	Shree Constructions	21st January 2023 to 21st February 2023
28	T191110046	B	PATIL JEEVAN JAYWANT	Parin Construction	21st January 2023 to 21st February 2023
29	T191110047	B	PATIL KIRAN KAILAS	Badhekar Group	21st January 2023 to 21st February 2023
30	T191110048	B	PATIL OMKAR BALASAHEB	Parin Construction	21st January 2023 to 21st February 2023
31	T191110049	B	PATIL SHRAVANI SHARAD	United Group	21st January 2023 to 21st February 2023
32	T191110051	B	PAWAR SWAPNIL S.	Gangotri Homes	21st January 2023 to 21st February 2023

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Department of Civil Engineering

Internship Student List Sem-II- A. Y.- 2022-2023

Class TE (CIVIL) A. Y. : 2022-2023 Internship Period 21st January 2023 to 21st February 2023.

Roll No.	Exam Seat No	Batch	Name of Student	Name of Company	Duration (01 Month)
33	T191110052	B	PAWAR TEJAS PARABHAT	Perfect Properties & Group	21st January 2023 to 21st February 2023
34	T191110053	B	PAWAR VARUN SAHADEV	Shree Constructions	21st January 2023 to 21st February 2023
35	T191110055	B	RAJAI YASH VIJAY	Pinnacle Spm Group	21st January 2023 to 21st February 2023
36	T191110057	B	RUTUJA SHANKAR SAWANT	Shree Sairaj Buildcon	21st January 2023 to 21st February 2023
37	T191110060	B	SARVAGOD DADASAHEB N.	Perfect Properties & Group	21st January 2023 to 21st February 2023
38	T191110061	B	SHAIKH JAID RAFIK	Badhekar Group	21st January 2023 to 21st February 2023
39	T191110062	B	SHEIKH KABIR NOMAN	Sahir Constructions	21st January 2023 to 21st February 2023
40	T191110064	B	SHINDE PRADNYA BALAJI	Shree Sairaj Buildcon	21st January 2023 to 21st February 2023
41	T191110067	B	SNEHAL R. DUNEDAR	Parin Construction	21st January 2023 to 21st February 2023
42	T191110068	B	SOHAM SANDEEP JAGTAP	Malpani Properties	21st January 2023 to 21st February 2023
43	T191110069	B	SONAR PRAFULL D.	Life Republic	21st January 2023 to 21st February 2023
44	T191110072	B	SURYAWANSHI SUHAS S.	Life Republic	21st January 2023 to 21st February 2023
45	T191110073	B	SURYAWANSHI SURYAJI M.	Perfect Properties & Group	21st January 2023 to 21st February 2023
46	T191110074	B	SUTAR SARVESH RAVINDRA	Badhekar Group	21st January 2023 to 21st February 2023
47	T191110076	B	VEDANT GAJANAN DHAGE	Badhekar Group	21st January 2023 to 21st February 2023
48	T191110077	B	WAGHMARE MAHESH R.	Life Republic	21st January 2023 to 21st February 2023
49	T191110078	B	WAYSAL ATUL BABASAHEB	Perfect Properties & Group	21st January 2023 to 21st February 2023

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DIAMOND NEXUS ASSOCIATES
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Pune- 412 105. Maharashtra.
Email: gulmoharnexus@yahoo.in | Website: www.nexusgulmohar.com
Phone: 8686 55 0202 / 8686 55 0303

Date : 1 / 2/2022

CERTIFICATE

Ms. **Nemade Sweeti Santosh** is a student of Third Year of Bachelor of Engineering (Civil) From **Bharati Vidyapeeth College of Engineering Lavle, Pune.** She Approach us for Completion of Her Internship Training With Our Organization, as a part of her curriculum.

In this regard, we certify that, he has completed her internship training with us from **1st January 2022 to 31st January 2022.** Her subject of internship is titles as Training on **"NEXUS GULMOHAR, AIRPORT ROAD, CHARHOLI BUDRUK, PUNE"**

Her performance during the period of this association was found to be satisfactory.

We wish her all the best for her future endeavors.

NEXUS GULMOHAR,PUNE.

Mr. Hemant Patel.
Managing Director
1-2-22

H.O.D.
Dept. of Civil Engineering
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College of Engineering Lavale, Pune

HEAD OFFICE:
Nexus Group, Plot No. P87, D-II Block, MIDC Pimpri
Industrial Area, Near Wonder Cars Showroom,
Chinchwad, Pune- 411 019

Life
REPUBLIC

Date: 22th February, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Mahesh Ramkishan Waghmare**, a student of **Bharati Vidyapeeth's College of Engineering, Pune, Maharashtra, India** has successfully completed internship at **Kolte-Patil Integrated Townships Limited.**

He was on training with us from **1st February, 2023 till 22th February, 2023**. We wish him all the best for his future endeavors.

Thanking you.

Regards,

For Kolte Patil Integrated Townships Limited.

Authorized Signatory

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College of Engineering Lavale, Pune

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21.02.2023

CERTIFICATE

This is to certify that **SURYAJI MOHANRAO SURYAWANSHI** a student of Bharati Vidyapeeth's College Of Engineering, Lavale, Pune has successfully completed internship training from 21-01-2023 to 21-02-2023. Construction of residential building at Viraj residency beside zeal college road, Narhe, Pune, Maharashtra 411041.

During training has conducted punctuality and initiative were in high order with a huge curiosity to learn the activity in construction work as well as designing and estimation work in office.

Perfect Properties and Group

This certificate was awarded by:

DHARMEDRA

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

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BADHEKAR
GROUP
नाते विश्वासाचे

Internship Certificate

This is to certify that, Mr Vedant Dhage, student of TE (Civil)- Sem 5 of BVP,Pune has satisfactorily completed 30 days of Industrial Training Program (Internship) in our organization from 21st January 2023 in Partial fulfillment of TE (Civil engineering) course. Mr Parth Mandekar has guided him during the training period.

During the course of Internship, we found him Sincere, Hardworking & Ambitious.

We wish him a bright future ahead.

With Best Regards,

Date: 22.02.2023

Name: Punam Chaudhari

Sign:

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Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune



Bharati Vidyapeeth's
College of Engineering, Lavale, Pune.
Department of Computer Engineering

Internship Data

AY 2022-2023

Sr. No	Class	Students Name	Name of Company	Start Date	End Date	Location
1	S. E.	Hrishikesh Dagadu Bhavar	PHN Technology Pvt Limite	4/6/2023	6/6/2023	Pune
2	T. E.	Atharv Prashant Itankar	SRV Media Pvt Ltd	1/31/2023	2/28/2023	Pune
3	T. E.	Kaveti Nani Kartik	Development Establishment (ARDE)	2/7/2023	3/6/2023	Pune
4	T. E.	Vaibhav Devidas Ranawade	CodeClause	1/1/2023	1/31/2023	Online
5	T. E.	Shubham Nandu Ovhal	Lets Grow More	2/1/2023	3/1/2023	Online
6	T. E.	Vaishnavi Marne	Oasis Infobyte	2/10/2023	3/10/2023	Online
7	T. E.	Pranav Vinod Mahalpure	Lets Grow More	2/1/2023	3/1/2023	Online
8	T. E.	Shruti Nagar	Lets Grow More	1/10/2023	2/10/2023	Online
9	T. E.	Mayuresh Gajalwar	Oasis Infobyte	1/15/2023	2/15/2023	Online
10	T. E.	Digvijay Jadhav	PHN Technology Pvt Limite	4/6/2023	6/6/2023	Pune
11	T. E.	Sarang Shivaji Patil	SAISH TECHNOLOGIES P	1/20/2023	2/18/2023	Pune
12	T. E.	Dhruv Rajesh Kurliye	PHN Technology Pvt Limite	4/6/2023	6/6/2023	Pune
13	T. E.	Soham Vishnu Jagtap	YBI FOUNDATION	2/27/2023	3/26/2023	Online
14	T. E.	Vivek sandeep potdar	YBI FOUNDATION	2/27/2023	3/26/2023	Online
15	T. E.	Adnan Sheikh	Yaseen Edustation	2/27/2023	3/26/2023	Chandrapur
16	T. E.	Aditya Marne	YBI FOUNDATION	3/3/2023	4/2/2023	Online
17	T. E.	Apurva Shelke	YBI FOUNDATION	1/23/2023	2/23/2023	Online
18	T. E.	Aditee Thute	YBI FOUNDATION	1/23/2023	2/24/2023	Online
19	T. E.	Diksha Gaikwad	YBI (youth business intern	1/23/2023	2/23/2023	Online
20	T. E.	Ankita Hanumant Amup	Oasis Infobyte	2/10/2023	3/10/2023	Online
21	T. E.	Tejal Dattatray Abhivant	Oasis Infobyte	2/10/2023	3/10/2023	Online
22	T. E.	Rutuja Gajanan Chaudhari	Oasis Infobyte	2/10/2023	3/10/2023	Online
23	T. E.	Aniruddha Girme	Oasis Infobyte	2/9/2023	3/10/2023	Online
24	T. E.	Tejas Dhananjay Kulkarni	Austere Systems Ltd	2/6/2023	3/6/2023	Pune
25	T. E.	Shravan n. kumbhar	Code Clause	2/1/2023	2/28/2023	Online
26	T. E.	Prem Katte	YBI FOUNDATION	1/23/2023	2/23/2023	Online
27	T. E.	AKANKSHA VINAYAK JAD	Oasis Infobyte	2/1/2023	2/28/2023	Online
28	T. E.	Arya Ramteke	YBI FOUNDATION	1/23/2023	2/22/2023	Online
29	T. E.	Aniket Sopan Abuj	Oasis Infobyte	2/10/2023	3/10/2023	Online
30	T. E.	Rameshwar Bhausaheb Na	PHN Technology Pvt Limite	4/6/2023	6/6/2023	Pune
31	T. E.	Abhishek Anil Shitole	Let'sGrowMore	1/2/2023	1/3/2023	Online
32	T. E.	Amit Ramesh Bansode	Lets Grow More	1/1/2023	2/1/2023	Online
33	T. E.	Snehal Goraksha Wabale	Oasis Infobyte	1/1/2023	2/8/2023	Online

34	T. E.	Neha Hanmant Tadalapure	Oasis Infobyte	2/10/2023	3/10/2023	Online
35	T. E.	Shreya Nitin Supe	Salesforce trailhead	2/10/2023	3/10/2023	Online
36	T. E.	Khushali Khairnar	Oasis Infobyte	2/1/2023	3/2/2023	Online
37	T. E.	Arushi Bhatnagar	Oasis Infobyte	2/10/2023	3/10/2023	Online
38	T. E.	Mayur Madane	Oasis Infobyte	2/1/2023	2/28/2023	Online
39	T. E.	Vinit Vijay Gurav	PHN Technology Pvt Limite	4/6/2023	6/6/2023	Pune
40	T. E.	Suhas Vikas Pawar	Lets Grow More	1/1/2023	2/1/2023	Online
41	T. E.	Hrishikesh Bari	PHN Technology Pvt Limite	4/6/2023	6/6/2023	Pune
42	T. E.	Rushikesh Shinde	PHN Technology Pvt Limite	4/6/2023	6/6/2023	Pune
43	T. E.	Tejas Sanjay Gawali	Oasis Infobyte	2/1/2023	2/28/2023	Online
44	T. E.	Abhay kumar	Oasis Infobyte	2/3/2023	3/3/2023	Online
45	T. E.	Rachit Ingle	Oasis Infobyte	2/1/2023	3/1/2023	Online
46	T. E.	Prathamesh Konde	YBI FOUNDATION	1/23/2023	2/22/2023	Online
47	T. E.	Om Bhamare	Codekul Private Limited	1/20/2023	2/19/2023	Pune
48	T. E.	Lalitkumar Manohar Patil	Oasis Infobyte	2/10/2023	3/10/2023	Online
49	T. E.	Omprasad Sugandharao Ja	Oasis Infobyte	1/24/2023	2/24/2023	Online
50	T. E.	Kshitij Rajendra Sonawane	tribeviz	1/1/2023	1/30/2023	Online
51	T. E.	Dhiraj Dhananjay Jagtap	Oasis Infobyte	1/1/2023	1/31/2023	Online
52	T. E.	Sujay Pradip Khodke	PHN Technology Pvt Ltd	4/6/2023	6/6/2023	Pune
53	T. E.	Kashyap Shahare	Let's grow more	2/1/2023	2/28/2023	Online
54	T. E.	Prathamesh Prashantrao N	Let's grow more	1/1/2023	2/1/2023	Online
55	T. E.	Pranav Surkar	Oasis Infobyte	2/10/2023	3/10/2023	Online
56	T. E.	Vaibhav Patil	Knowledge Solutions India	1/1/2023	2/1/2023	Pune
57	T. E.	Harshavardhan Patil	LetsGrowMore	2/1/2023	3/1/2023	Online
58	T. E.	Eshanya Marathe	Oasis Infobyte	1/20/2023	2/18/2023	Online
59	T. E.	Anirudh Somase	Oasis Infobyte	2/10/2023	3/10/2023	Online
60	T. E.	Atharva Nawarange	Oasis Infobyte	2/10/2023	3/10/2023	Online
61	T. E.	Kunal Nagdive	Oasis Infobyte	2/10/2023	3/10/2023	Online
62	T. E.	Adhyayan Gadgade	Oasis Infobyte	1/1/0023	1/31/0023	Online
63	T. E.	Rutuja Hanumant Raut	Let's grow more	2/1/2023	3/1/2023	Online
64	T. E.	Roshan Kate	LetsGrowMore	1/1/2023	2/1/2023	Online
65	T. E.	Vipul Vilas Katale	Oasis infobyte	2/1/2023	3/1/2023	Online
66	T. E.	VIGNESH SHRIPATI BORI	Oasis infobyte	2/10/2023	3/10/2023	Online
67	T. E.	Raj Patkar	Oasis infobyte	1/10/2023	2/28/2023	Online
68	T. E.	Hamza laxmidhar	Oasis Infobyte	2/1/2023	3/2/2023	Online
69	T. E.	Avi Sharma	YBI foundation	2/3/2023	3/3/2023	Online
70	T. E.	Sugandh Jain	YBI foundation	2/3/2023	3/2/2023	Online
71	T. E.	Abhishek jha	Walk N Talk Media	1/25/2023	3/10/2023	Pune
72	T. E.	CHETAN SALUNKHE	code clause	2/2/2023	3/2/2023	Online
73	T. E.	Hruthik Dattatray Kank	Oasis infobyte	2/1/2023	2/27/2023	Online

74	T. E.	Harshal Bhangale	tribeviz	1/15/2023	2/15/2023	Online
75	T. E.	Shreya Nitin Supe	Forage	10/22/2022	11/22/2022	Online
76	T. E.	Hrishikesh Bari	Oasis Infobyte	2/15/2023	3/15/2023	Online
77	T. E.	Digvijay Jadhav	Oasis Infobyte	2/15/2023	3/15/2023	Online
78	B. E.	Shubham Baliram Songire	Transformation Solutions LLP	1/9/2022	1/10/2022	Online
79	B. E.	Akhil Goplani	Digibulls	12/20/2021	1/19/2022	Delhi
80	S. E.	Sanobar Ibanekhalid Pathan	SKILL-VERTEX	8/5/2022	9/5/2022	Bangluru

Prof. M. A. Patil

Internship Coordinator

Dept. of Computer Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

Dr. U. C. Patkar

HOD

Head
Dept. of Computer Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

Code Clause

To Whom So IT May Concern

Date - 04 / 02 / 2023

This is to certify that **Vaibhav Devidas Ranawade**, Computer Engineering **Bharati Vidyapeeth College of Engineering, Pune** is working as an intern with CodeClause from the period **Jan-2023 To Feb-2023**.

During this period he handled **Web Development Intern** position.

During the course of the Internship, **Vaibhav Devidas Ranawade** has shown a great amount of responsibility, sincerity, and a genuine willingness to learn and zeal to take on new assignments and challenges. In particular, his coordination skills and communication skills are par excellence and his attention to details is impressive

We wish all the very best for your future.

with regards,
CodeClause

Code Clause

MICRO, SMALL & MEDIUM ENTERPRISES

Certificate No - CC-CL5590

PHN
Technology Pvt. Ltd.

Date: 2023-06-02

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Bhavar Hrishikesh Dagadu (Intern ID- 115281)** has successfully completed the Internship in **Web Development** presented **by PHN Technology Pvt Ltd, Pune.**

This program was designed to provide valuable hands-on experience and practical knowledge in **Web Development**. Through active participation and dedication, he/she has demonstrated exceptional skills, commitment, and a strong work ethic.

During the internship, he/she actively contributed to **Web Development** and exhibited professionalism, adaptability, and a willingness to learn. Their enthusiasm and positive attitude have made a significant impact on the overall success of the program.

We extend our sincere appreciation to **Bhavar Hrishikesh Dagadu** for their valuable contributions and dedication throughout the duration of the virtual internship program.

Internship tenure was from **06/04/2023** to **06/06/2023**.

PNarayankar

Pradip Narayankar
Director
PHN Technology Pvt. Ltd.

PHN Technology Pvt Ltd
Pune

Document ID- PHN_20230602511

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hr@srvmedia.com
www.srvmedia.com

Date: 27th February 2023

To whom so ever it may concern

This is to certify that **Mr. Atharv Itankar** has under gone an internship in our company "**SRV Media Pvt Ltd**", from 31/01/2023 to 28/02/2023. He has undergone his training as a **Web Development Intern.**

During the period of his internship, he was found to be hardworking, punctual and sincere.

We wish him all the luck, for his future endeavour.

For SRV Media Pvt Ltd,

Human Resources

Bharati Vidyapeeth's College of Engineering, Lavale Pune.
Department of Civil Engineering
Internship Student Details 2021-2022

Sr. No.	Name of the Student	Class	Name of Internship Organization / Training Institute
1	Kheme anteshwar vishvanath	TE	Rukmini construction
2	Piyusha shinde	TE	Shivmani builders and developers bhukum
3	Neha Shantaram Potghan	BE	Tata Motors PVBB,Chikhali
4	Narendrakumar Venkatrao mittewad	TE	NAGA BUILDERS AND DEVELOPERS
5	Mahesh Adinath Dhumal	TE	Patankar create turnkey private limited
6	Prathamesh A. Gaikwad	TE	Minor Irrigation Division Pusad
7	Vishal Balaso Yamgar	TE	PENTAGON INFRA, Sangli
8	Gayatri sanjay pandit	TE	Avior
9	Sushil Girase	TE	MRM CONSTRUCTION
10	Aman Mogre	TE	MADHAV LIMAYE CONSULTANCY LLP,PUNE
11	Devraj Rajendra Shirsath	TE	Nakshatra construction company
12	Akshat Mukesh Agrawal	TE	LAXMI CONSTRUCTION COMPANY
13	Avhad Abhishek Balu	TE	AVIOR ENTERPRISES
14	Shubham Ganesh Gullapelli	TE	Avior Enterprises
15	Siddhant Shivkumar khindre	TE	Krishna construction
16	Onkar bhausaheb pawar	TE	S creation's engineering and construction
17	Nemade sweeti santosh	TE	Nexus Gulmohar Associated
18	Sakshi Shinde	TE	Avior uplife
19	Reshu Singh	TE	Paranjape construction private LMT
20	Harshada Nitin Gavali	TE	Paranjpee schemes n constructions
21	snehal sadashiv chavan	TE	Paranjape Schemes (construction) Limited
22	Omkar Anandrao Domb	TE	B G SHIRKE CONSTRUCTION Technology Pvt Ltd PCY Kiwale
23	Abhijeet Bala	TE	Roadway Solutions India Infra ltd
24	Sanket Kondvilkar	TE	Roadway solutions
25	Ketaki Sanjay kothalkar	TE	Avoir Group of Construction
26	Shreya Gajanan Chaware	TE	Kangralkar Associates
27	Aditya Rajendra Kasar	TE	G.B.M consultancy
28	Latika Sonawane	TE	AVIOR ENTERPRISE
29	Mohit Ramhari Chavhan	TE	Structural consultancy
30	Amol Radhesham Rashinkar	TE	Nakshtra Company
31	Gargi Bijwe	TE	Kamlesh Consultants
32	VIVEK VIKRAM JADHAV	TE	Vinod construction
33	Yashashree Patil	TE	Paranjape Schemes (construction limited)
34	Pranjal Raysing Patil	TE	Aashi Solutions
35	Amol Arun Ambekar	TE	J Y Udas Construction LTD
36	Patil Rahul Eknath	TE	United Enterprises pune
37	Khande vaishnavi siddheshwar	TE	Dattakrupa Associated
38	Sonal Jagtap	TE	Sankalpa infrastructure
39	Shubham raghu kudale	TE	Shivmani developers
40	Jyoti kishan bhokre	TE	Sankalp construction
41	Gund Aakash Aannasaheb	TE	Nandanvan properties
42	Bodake Ishwar Ganapti	TE	Bharti vidyapeeth collage of engineering lavale pune
43	Priyanka Balasaheb Khavare	TE	Paranjape Schemes (Construction) Limited
44	Mali Pawan Prabhakar	TE	Dhanashree Construction
45	Shubham Marne	TE	Dhanashree Construction
46	Prathamesh suryawanshi	TE	SAI DEVELOPERS
47	Tayade Akshay Nitin	TE	Rajesh construction and Builders
48	Aniriddha sunil patil	TE	Pwd , wakdewadi,pune
49	Shubham Shatrughan Bhanuse	TE	Shivanya enterprises and construction
50	Yogesh Pawara	BE	Arihant associated

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

KAMLESH CONSULTANTS
Project Management Consultant
*Engineers *Architects *Interior Designer
*Planner *Structural designer *Property Valuer
6, Nehe Residency, Shriram Housing Society,
Warje, Pune -29.
Mobile : 9860004973
Web-https://kamleshconsultants.com/
E-mail : kamleshconsultantpune@gmail.com

KC- 22/5/16/1

DATE:- 16/5/22

To Whom So Ever It May Concern

This is to certify that Ms. **Gargi Ganesh Bijwe** has successfully completed her internship at our Project of Consrtuction of Quarter I,II,III,IV Recreation Hall, Bachat Gat hall, Gym hall & commercial Complex Shirur Samruddhi Business Park, Plot no. 275, Panchayat Samiti Shirur, Pune, from period 1st January 2022 to 31st January 2022.

We found her very sincere and hardworking & We wish her good luck for her bright future.

Kamlesh Consultant Pune

Director

Kamlesh Consultant

(Ravindra S. Rajuskar)

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

Aashi
Solutions

To Whom So Ever It May Concern

This is to certify that Ms Pranjal Patil has successfully completed her internship at our 'Optima Heights' at Keshnand Pune from period 1st January 2022 to 31st January 2022.

We found her very sincere and hardworking.

We wish her good luck in her future assignments.

For Aashi solutions

AASHI SOLUTIONS PUNE

Mr. Faizi Ata

VP - HR

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

Internship.

BHARATI VIDYAPEETH`S
COLLEGE OF ENGINEERING LAVALE PUNE-412115
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Internship Students List 2021-22

Sr. No.	Name of student	Class	Name of Company & Address	Internship Duration Date -End Date)
1	Janhavi Yuvraj Gudadhe	TE	Super77, Gurgaon, India	15/07/2021-30/09/2021
2	Kakade Shubhangi	TE	Alpine Technologies	18/07/2021-18/09/2021
3	Ajay Vitthalrao Bhosale	BE	Exposys Data Labs, Bengaluru, Karnataka	2/9/2021 to 1/10/2021
4	Atharva Deepak Wanjari	BE	Sunflag Steel	21/06/2021 to 20/07/2021
5	Pushkaraj Vernekar	TE	Mycaptain 3rd floor, classic arena,AECS layout Bengaluru,560068	25/9/2021 to 28/10/2021
6	Ajay Vitthalrao Bhosale	BE	The Sparks Foundation, Singapore	1/10/2021 to 2/11/2021
7	Kamble Akash Prakash	TE	HSPM SOLUTIONS	17/12/2021 to 19/01/2022
8	Vaishnavi Vinodrao Deshmukh	BE	Spark Foundation	21/09/2021 to 21/10/2021
9	Rajdeep korpe	TE	TCR Innovation	03/01/2022 to 20/02/2022
10	Karan Ahire	TE	Parakh Suppliers	13/12/2021 to 13/01/2022
11	Janhavi Yuvraj Gudadhe	TE	TCR innovations, Mumbai	26/12/2021 to 26/02/2022
12	Himanshu Shriram Dethe	TE	HSPM Solutions LLP. House no. 39, Plot no. 14, block D, Sector 14, Sant Tulsi Dass appts, Rohini, New Delhi	16/12/2021 to 16/01/2022
13	Aryan Gaupal	TE	Zoof software solutions	20/12/2021 to 20/01/2022
14	Animesh more	TE	HSPM SOLUTIONS LLP. Add :302, Indira Chambers, Tilak Road, Pune - 411030	17/12/2021 to 16/01/2022
15	Swati Dilip Amrutkar	TE	Electronic study centre nashik	1/1/2022 to 30/1/2022
16	Rupali Prabhakarrao Shinde	TE	Electronic Study Centre,Nasik.	01/01/2022 to 30/01/2022
17	Bhavana Santosh Pawar	TE	HSPM solution LLP. Office no.302,3rd floor, Indira chambers,tilak road Pune -411030	15/12/2021 to 16/01/2022
18	Vedika Sonparote	TE	PARAKH SUPPLIERS Sardar Patel Complex in front of Technical Highschool Bhusawal, Jalgaon, Maharashtra 425201	13/12/2021 to 13/01/2022
19	Yash Balnath Choubhare	TE	HSPM Solutions Tilak road pune	16/12/2021 to 16/01/2022
20	Akarsh Poddar	TE	Digibulls, sahibabad, Ghaziabad, UP	20/12/2021 to 19/01/2022
21	Rajdeep korpe	TE	Origin institute, Ranpise nagar Akola- 444001	08/10/2021 to 10/03/2022
22	Pushkaraj Vernekar	TE	HSPM solutions	15/12/2021. to 16/1/2022
23	Raj Nikam	TE	HSPM solution	20-12-2020 to 21-01-2021
24	Ujjwal Ramavatar Sharma	TE	HSPM	17/12/2021 to 17/01/2022
25	Vyankat Dhondiram Machapure	TE	HSPM Solution LLP. Indira Chambers, Tilak Road, Pune-411030	19/12/2021 to 20/01/2022
26	Amrut Jadhav	TE	HSPM SOLUTIONS LLP. 302, Indira Chambers, Tilak Road, Pune - 411030.	19/12/2021 to 18/01/2022
27	Kakade Shubhangi	TE	Electronics Study Centre,Nashik	01/01/2022 to 30/01/2022

Internship Coordinator
Prof. S.G.Gawhale

HOD
Prof. A.B.Wani

Zoof Software Solutions

PAP-R19, Rabale MIDC, Above Sangam Hardware, Rabale, Navi Mumbai, 400701

info@zoof.co.in | zoof.co.in

Date- 25-01-2022

This is to certify that **Mr. Aryan Gaupal** has done his internship in **Assistant Web Developer** at **Zoof Software Solutions**, **Navi Mumbai**, from **20 Dec 2021** to **20 Jan 2022**.

During his internship he has demonstrated his skills with self-motivation to learn new skills. His performance exceeded our expectations and he was able to complete the project on time.

We wish him all the best for his upcoming career.

Yours Sincerely.

Shriyog Dhande

COO & HR Head,

Zoof Software Solutions

25/1/2022

HSPM SOLUTIONS LLP.
REGD ADD: House No. 39, Plot No. 14, Block D, Sector 14, Sant Tulsi Dass Appts, Rohini, New Delhi – 110 085
Corporate Office : 302, Indira Chambers, Tilak Road, Pune - 411030
Contact: 8882655840 | Email: support@hspmsolutions.com

Date: 19 January 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Animesh More** has served as a **BACKEND DEVELOPER** at HSPM Solutions LLP., Pune for 04 weeks from 17 December 2021 to 16 January 2022. He has worked with us in configuring and customizing software programs, maintaining and supporting websites & systems and analyzing client needs with complete dedication and diligence. Also, he possesses expert knowledge of connectivity and website designing including various frontend platforms and he is also up to date with latest web designing trends.

During his tenure with us we found him sincere, hardworking, punctual & inquisitive.

We wish him all the best for his future endeavors.

Signatory Authority

Himaanshu Saraf
Founder
HSPM Solutions LLP.
Contact: himaanshu_saraf@hspmsolutions.com

AN ISO 9001 : 2008 CERTIFIED

Electronics Study Centre



website : www.escworkshop.in

email : escelectronics@gmail.com

" Internship on Component Testing & Analog Circuit Design"

(DMM construction its application, study of passive & active components- symbol, unit, identification testing by DMM, faults with respective reading, function, application, rating, No. coding, usage, price PCB- types of PCB, design, soldering technique, disordering, mini project, circuit design: component selection, power supply, transistor ckt., Comparator, 555 Timer: astable duty cycle and freq. Monostable)

Certificate

This is to certify that,

Mr./Miss. Amrutkar Swati Dilip

of Bharati Vidyapeeth's College of Engineering Lavale - Pune.
Branch- Electronics & Telecommunication Engineering
actively participated and satisfactorily completed the Internship on

"Component Testing & Analog Circuit design"

held during 01 - 01 - 2022 To 30 - 01 - 2022

conducted by

Electronics Study Centre, Nasik.

ELECTRONICS STUDY CENTRE ESC NASIK

Sanjay Chaudhari
Director
Electronics Study Centre

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, LAVALE, PUNE - 412-115

DEPARTMENT OF COMPUTER ENGINEERING

Internship Data for AY 2021-22

Sr. No.	Student Name	Company Name	Class	Location of Company
1	Kunal Sudam Nagare	Knowhassals Edapt Private limited	S. E.	Thane
2	Shreya Nitin Supe	Accenture	S. E.	Online
3	Abhijeet Jain	Society Of AI	T. E.	Online
4	Onkar Kotule	DigitalFlow	T. E.	Bangalore
5	Shubham Baliram Songire	Mass Technologies Pvt Ltd Pune	T. E.	Navale bridge Pune
6	Bhalerao Saurabh Vitthal	Wandertale solutions	T. E.	Nashik
7	Aastha Dwivedi	Comunique World	T. E.	Purdil Nagar, Aligarh.
8	Aditya Chandhoke	Exposys data labs	T. E.	Bengaluru
9	Tejas Prashant Langote	Zipcrest Consulting Services Pvt. Ltd.	T. E.	Kharadi, Pune.
10	Pathan Adnan Khan	Ashwadeep Foundation	T. E.	Dhule
11	Buddhaprakash Patil	KaaShiv InfoTech	T. E.	Chennai, Tamil Nadu
12	keta kailas sonwane	Lets Grow More	T. E.	Uttar Pradesh
13	Abhijeet Jain	Saifi Business Group	T. E.	Noida, Uttar Pradesh.
14	Mayur Sandip Mahajan	EasyManage	T. E.	Pune
15	Tushar Sunil Rokade	Nik Enterprises Pvt.Ltd.	T. E.	Jalgaon
16	Rutuja Bhimrao Kurale	LetsGrowMore	T. E.	Uttar Pradesh
17	Nikhil kumar	Knowledge solution india	T. E.	Dhole Patil Rd, Pune
18	Niyati Gopichand Wagh	Let's Grow More	T. E.	Uttar Pradesh
19	Pharate Sushma Uttam	Let's Grow More	T. E.	Prayagraj, UttarPradesh
20	Sonali Jaywant Patil	Lets Grow More	T. E.	Prayagraj, UttarPradesh.
21	Rutuja Shamkant Amrutkar	Letsgromore	T. E.	Prayagraj, Uttar Pradesh
22	Archit Das	Unocoin	T. E.	Bangalore
23	Divya Shivaji Raut	Suven Consultant and technology	T. E.	chembur, Mumbai
24	Shraddha Babasaheb Shirole	LetsGrowMore	T. E.	Prayagraj ,Uttarpradesh
25	Siddhi Soni	Save the Girl NGO	T. E.	Jahangir Puri,Delhi
26	Kaustubh Pardhi	Easyrent	T. E.	Colombo, Srilanka
27	Hrushikesh Sambhaji Pawar	Lets Grow more	T. E.	Prayagraj ,Uttar Pardesh
28	Jayesh Dipak Patil	GUT LERNEN TECHNOCRAFT PVT.I	T. E.	Aundh, Pune.
29	Namokar Jain	Pinakinnsoft Private Limited	T. E.	Jaipur, Rajasthan.
30	Damini Borude	LetsGrowMore	T. E.	Prayagraj, Uttar Pradesh
31	Akanksha Negi	MediShield HealthCare Private Limited	T. E.	Lucknow, India
32	Abhishek Khot	suven consultants pvt ltd	T. E.	Chembur, Mumbai.
33	SHRISHTI NANDANWAR	PARSHI EMERGING TECHNOLOGIE	T. E.	JAIPUR
34	Hrishikesh Dattatray Kothav	LetsGrowMore	T. E.	Remote
35	pushkar bopanwar	PGPGroup	T. E.	Nagpur
36	Aryan Venugopal Nair	The Sparks Foundation	T. E.	SINGAPORE, 119613
37	Alan Mathew Panicker	The Sparks Foundation	T. E.	Singapore 119613
38	Suraj Vitthal Thube	The Sparks Foundation	T. E.	SINGAPORE, 119613
39	Siddhant Mundhe	The Sparks Foundation	T. E.	SINGAPORE, 119613

40	Darshan Sanjay Amrutkar	VadCore	T. E.	Baner
41	Karan Ransing	FORAGE	T. E.	San francisco california USA
42	Akhil Goplani	Digibulls	T. E.	Delhi NCR
43	Sandhya Baliram Sawalkar	Cad desk	T. E.	Jaipur
44	Arya Ashok Sonavane	Cad Desk	T. E.	Caddesk Jaipur
45	Kunal Patil	FORAGE	T. E.	San francisco california USA
46	Ruchika Dilip Khekare	Xceller IT Services	T. E.	Nagpur, Maharashtra
47	Payal Parshive	Sparks Foundation	T. E.	Singapore
48	Ruchita Bharsakale	LetsGrowMore	T. E.	Uttar Pradesh
49	Abritti Roy	The Sparks Foundation	T. E.	Singapore
50	Aditya anil chankhore	Lets grow more	T. E.	Uttar Pradesh
51	Shashank Kumar Gupta	The Sparks Foundation	T. E.	Singapore
52	Shubit Mattoo	The Entrepreneurship Network	T. E.	Delhi
53	Aayush Chavan	Let's Grow More	T. E.	Online
54	Manthan Deshmukh	TCR Innovations	T. E.	Navi mumbai
55	Mirza Wasim Baig	TCR Innovation	T. E.	Navi Mumbai
56	Kanade Siddharth Suresh	TCR Innovations	T. E.	Navi Mumbai
57	Tanmay Karbhari Toge	TCR Innovation	T. E.	Navi Mumbai
58	Sushil Kumar	Brain vision technology	T. E.	Pune
59	Vrushali satish ubale	Cad desk	T. E.	Jaipur
60	Shubham Baliram Songire	Mass Technologies Pvt Ltd Pune	T. E.	Pune
61	Sanyogita Subhash Paimode	LetsGrowMore	T. E.	Prayagraj, Uttar Pradesh
62	Vaishnavi Mandhalkar	Metvy	T. E.	Gurugram
63	Korade Pratiksha Bapurao	CAD DESK	T. E.	Jaipur
64	Neel More	Suven Consultants & Technology Pvt. Lt	T. E.	Chembur, Mumbai.
65	Janhavi Suresh Raut	Caddesk(Parshi technologies pvt ltd)	T. E.	Jaipur
66	Abhimanyu Prakash	Xceller IT services, Nagpur	T. E.	IT Park Parsodi, Nagpur.
67	Pranshu Verma	Digibulls	T. E.	Uttar Pradesh
68	Rushikesh Baravkar	The Spark Foundation	T. E.	Singapore
69	Shubham Bhosle	The Entreprenurship Network	T. E.	Delhi
70	Sohan Chaudhari	Sparks Foundation	T. E.	Singapore
71	Onkar Kotule	Knockonce	T. E.	Bangluru
72	Pranay Sanjay Bankar	The Sparks Foundation	T. E.	Singapore
73	Avinash Rajendra Dhakane	The Sparks Foundation	T. E.	Pune
74	Ketan sahebrao barahate	Suven consultants and technology pvt.ltd	T. E.	Mumbai
75	Kaushal	Sparks foundation	T. E.	Shingapore
76	Kunal Sudam Nagare	Internship Studio	T. E.	Pune.
77	Ketan Nitin Borse	Suven Consultants and Technology Pvt.L	T. E.	Mumbai
78	Abhay Pratap Singh	A. K. Business Group	T. E.	Bhusawal, Jalgaon.
79	Vishakha Balu Shinde	TCR innovation	T. E.	Navi Mumbai
80	krushna Zamwar	Mass Technologies	T. E.	Narhe, Pune
81	Yogesh Kiran Khandekar	Sarvottam Technologies	T. E.	Pune
82	Hasan Khan	Sparks Foundation	T. E.	Singapore
83	Yuvraj Machhindra Khedka	HSPM Solutions LLP	T. E.	Camp, Pune
84	Muskan Kumari	LetsGrowMore	T. E.	Jasra, Uttar Pradesh
85	Samrat Patel	Oasis Infobyte	T. E.	Delhi
86	Aliasgar Taksali	BinaryVeda Software Solutions	T. E.	Mumbai

87	Sanket Dilip Gaikwad	A. K. Business Group	T. E.	Bhusawal, Jalgaon.
88	Sanskar Maske	Indian Meteorological Department	B. E.	Pune
89	Harshit Panse	Tata Advanced Systems Limited	B. E.	Mumbai
90	Sankalp Poinwar	Centiro Solutions	B. E.	Baner, Pune
91	Manali Choudhari	Tata advanced systems	B. E.	Mumbai

Prof. Megha Patil
Departmental Internship Coordinator
Dept. of Computer Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

Dr. Prof. U. C. Patkar
H. O. D
Head
Dept. of Computer Engineering,
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

EDAPT™

CERTIFICATE OF COMPLETION

This certifies that

kunal Sudam Nagare

has successfully completed the two month internship as Business Development Intern

Tanya Bajaj

TANYA BAJAJ
HR Executive
KnowHassles EDAPT Private Limited

accenture

Forage

Inspiring and empowering future professionals

Shreya Supe

Project Management Virtual Experience

Certificate of Completion

March 12th, 2022

Over the period of January 2022 to March 2022, Shreya Supe has completed practical task modules in:

Understand the approaches to project management
Prepare a proposal for the optimal project management approach
Identify the key attributes of a good project manager or project lead
Importance of communication in project management

Caroline Dudley
Managing Director
North America
Recruiting

Tom Brunskill
CEO, Co-Founder of
Forage

Enrolment Verification Code: eYqgEQz2JwGP4PLHn | User Verification Code: kILs5YLvC5wC4fdwi | Issued by Forage

SoAI

We present this to

Abhijeet Jain

of BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, Lavale, Pune for successfully completing the Internship as a Graphic Designer with the Society of AI from 28th June 2021 to 28th December 2021

Sakshi Ganda
HR-Manager

Society of Artificial Intelligence
Founder
Ankit Sharma

www.societyofai.in

BHARATI VIDYAPEETH'S COLLEGE OF ENGNEERING LAVALE PUNE
DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING
INTERNSHIP DETAILS FOR TE.2022-23 SEM:VII

Students full Name	Name of the Company	Internship Start Date	Internship End date	College Mentor Name:	Company Mentor Name:
Rahul Pareek	USSD CONSULTANCY PRIVATE LIMITED	1-31-2023	2-21-2023	Wani mam	Uday M
Manas Wankhade	The Sparks Foundation	2-28-2023	3-31-2023	Aishwarya S. Pathak	The Sparks Foundation
Vyenkatesh Khamborkar	YBI Foundation	1-23-2023	2-23-2023	Swati Gawhale	Alok Yadav
Yogesh Masal	Elevator solutions and consultants	1-24-2023	3-3-2023	Swati gawhale	Sahil naik
Krishna Dattatray Patil	Ybi Foundation	2-3-2023	3-2-2023	Mr. Atul Wani	Alok Yadav
Shreya Arun Phulkar	Emerging technologies & Automation solutions	2-1-2023	3-15-2023	Lalita.k.wani	Kanchan ekhande
Piyusha Ramakant Kalaskar	ISSD PRIVATE CONSULTANCY PRIVATE LIMITED	1-25-2023	2-21-2023	Wani mam	Uday M
Nikhil Ramdas Ambhore	Oasis infobyte	1-1-2023	2-1-2023	Prof. A.B.Wani	Girish Pawar
Hritvik Gunjal	DIAT-DRDO	1-28-2023	2-28-2023	Prof - S.G.Gavhale	Dr.A.V.R.Murthy
Rushikesh Sudhir joshi	Ybi foundation	2-3-2023	3-3-2023	A. S.Pathak mam	Alok sir
Sangeeta Manure	Aeron systems Pvt Ltd	1-30-2023	3-3-2023	Mrs Swati Gawhale	Mr. Saurabh Dey
Simran Dipak Kumavat	YBI foundation	2-10-2023	3-10-2023	L.K.Wani	Alok Yadav
Harsh Lilaram Pande	YBI foundation	2-10-2023	3-9-2023	Swati Gawhale	Alok Yadav
Prathmesh Mahesh jangam	Aptron technology pvt.Ltd	1-28-2023	2-28-2023	Mrs.Aaishwarya Pathak	Mr.Pravin Mohite
Mayur Prakash Pawar	Electronics Study Centre	1-30-2023	2-28-2023	Prof. Aishwarya S Pathak	Sanjay Chaudhari
Shubh sharma	Digibulls	2-1-2023	3-1-2023	Atul wani sir	Niharika
Ankita Baban Dalvi	Elite Softwares, Pune	12-5-2022	2-3-2023	Prof. A.S.Pathak	Swami Panjala
Omkar Avinash Deshmukh	YBI Foundation	1-23-2023	2-22-2023	Atul.B .Wani	Alok Yadav
Tushar Waghmare	YBI FOUNDATION	2-3-2023	3-3-2023	Lalita Wani	Not available
Aditya Gajanan Patwar	Let'sGrowMore	1-1-2023	2-1-2023	Prof. Aishwarya Pathak	Mr. Aman Kesarwani
Avishkar Ashruba Kamble	YBI FOUNDATION	2-20-2023	3-20-2023	Swati Gawahale	Alok Yadav
Shreyash Rachchawar	YBI foundation	2-10-2023	3-9-2023	Lalita Wani	Alok Yadav
Shreyas Panditrao Khansole	CodeClause	2-1-2023	3-1-2023	L.B.Chaudhari	Psmanker
Tejas Walmikrao Chavan	Oasis Infobyte	2-10-2023	3-10-2023	Prof A.B.Wani	Nancy Dhir
Pranit Abhay Bondre	Oasis Infobyte	2-10-2023	3-10-2023	Prof.Swati Gawhale	Adarsh Prakash
Surbhi Shivaji Gaikwad	YBI foundation	1-23-2023	3-22-2023	Swati gawhale	Alok yadav
Namrata javahar pawar	Code clause	1-27-2023	2-25-2023	Prof.Aishwarya Pathak mam	Pro.Dr. B.S.Dhongade
Prathamesh Sayaji Mane	Ybi foundation	1-22-2023	2-22-2023	Swati ghawale	Alok yadav
Pranali Rajendra Jagtap	YBI Foundation	1-23-2023	2-22-2023	Swati Gawhale.	Alok Yadav.

Krushna Kaduba Aade	Spark Foundation	12-26-2022	1-25-2023	Mr. A.B Wani	Dr. Alok Yadav
Bhosale Amar Ramesh	Codeclause	2-1-2023	3-2-2023	Aishwarya Pathak	Online
Patil Vishal dilip	Codeclause	2-1-2023	3-2-2023	Leena Chaudhari	Online
Ashutosh Jagannath Kale	YBI FOUNDATION	2-3-2023	3-2-2023	Prof.L.K.Wani	No mentor
Tejas Walmikrao Chavan	Let'sgrowmore	1-1-2023	2-1-2023	Prof A.B.Wani	Aman Kesarwani
Akanksha Dattatray Marne	YBI foundation	1-23-2023	2-22-2023	Aishwarya pathak mam	Alok yadav
Shinde rupali tatyasaheb	Ybi foundation	1-23-2023	2-22-2023	Aishwarya pathak mam	Alok yadav
Gadekar shailaja Bhutali	Cybernetik company	2-1-2023	2-28-2023	HOD.Atul wani	Firoj sir
Dhumal Rutuja Vijay	Code Clause	1-28-2023	2-27-2023	Prof. A.B. Wani	Pro.Dr. B.S.Dhongade
Janhavi Digambar Gawali	DIAT(DRDO)	1-28-2023	2-28-2023	S. G. Gawhale. prof	Dr.A. V. R. Murty
Namrata Anil Chaudhari	Elite Softwares, Pune	12-5-2022	2-3-2023	Mrs.Lalita K.Wani	Swami Panjala
Apeksha Sunil Thorat	Elite Softwares pune	12-5-2022	2-3-2023	Mrs.Lalita.k.wani	Swami panjala
Dhage priyanka ramchandra	oasis infobyte	2-10-2023	3-10-2023	L.K.wani mam	online
Siddhesh Pramod Hood	YBI Foundation	2-10-2023	3-9-2023	Leena Choudhary	Alok Yadav
Khedkar Mayuri Dattatraya	Elite Software	1-23-2023	3-16-2023	Mrs. Lalita. K. Wani	Swami panjala
Isha yogesh Vaidya	YBI foundation	1-30-2023	3-1-2023	Aishwarya Pathak	
Ashwini Rohidas Tidake	Ybi foundation	1-23-2023	2-22-2023	Aishwarya pathak	Alok Yadav
Raj Thakare	SUNFLAG IRON and STEEL Ltd	2-8-2023	3-7-2023	Leena mam	Prasad sir
Dhananjay Sanjay Patil	YBI FOUNDATION	2-3-2023	3-2-2023	Prof.L.B.Chaudhari	Alok Yadav
Vinayak Dattatray Chaudhari	BITMAP Technology	1-30-2023	2-28-2023	Aishwarya Pathak	Vinod Thete
Shital Baburao Surnar	HSPM solution LLP	1-27-2023	2-28-2023	Prof:- Aishwarya Pathak	Himanshu Saraf
Radhika choudhari	Oasis	2-3-2023	3-2-2023	Prof.L.K.Wani	NA
Abhishek Rameshwar Haibatpure	Oasis Infobyte	2-25-2023	3-5-2023	Prof. A. B Wani Sir	N.A
Yogesh Masal	Elevators Solution and consultants	1-24-2023	3-3-2023	Swati gawhale	Naik
Siddhesh Pramod Hood	YBI Foundation	2-10-2023	3-9-2023	Prof.Leena Chaudhari	Alok yadav
Dhage Priyanka Ramchandra	Oasis infobyte	2-2-2023	8-4-2023	L. K wani mam	Online
Kranti eknathrao chavan	Elcteonics study center	1-27-2023	2-27-2023	L. B. Chaudhari	Sanjay chaudhari
Sourabh Sanjay Powar	Oaisis infobyte	2-1-2023	8-1-2023	Leena Choudhari	-
Somesh Girijashankar Sakhare	YBI Foundation	1-23-2023	2-22-2023	Mis.Aishwarya Pathak	Alok Yadav
Chaitanya Ganpat Gopalghare	Technofist Solutions	2-2-2023	3-3-2023	Aishwarya Phatak	Amit Thorat
Siddhi Pravin Jadhav	The spark foundation	2-1-2023	3-1-2023	L.K.wani maam	Sandip sharma
Tushar Gangadhar Waghmare	YBI FOUNDATION	2-3-2023	3-3-2023	Lalita Wani	N.A.

Shweta Dnyaneshwar Doke	Oasis	2-3-2023	3-3-2023	Prof. L. K. Wani	NA

Prof.Aishwarya Pathak Internship Coordinator		Prof.A.B.Wani HOD

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

SUNFLAG STEEL

Bhandara Road, Warthi, Bhandara - 441 905
Tel : 07184 - 285551 To 285555
Fax : 07184 - 285740
E-mail : admin@sunflagsteel.com
Website : www.sunflagsteel.com
CIN No : L27100MH1984PLC034003
GSTIN NO : 27AACCS3376C1ZH

Ref: SF/HRM/REC-6/2022/1650
08th March, 2023

TO WHOMSOEVER IT MAY CONCERN

This is certified that **Mr. Raj Shriram Thakre**, a student of **BVCOEL** [illegible], has completed his Vocational Training in our **BM-A&E** Department during period **08/02/2023 to 07/03/2023** & submitted his Project Report to us.

We wish him very best for his success, growth, prosperity and abundance in his ventures ahead.

For **SUNFLAG IRON & STEEL CO. LTD.**

Satish

SATISH SRIVASTAV
HEAD-(HRM, SAFETY & TRAINING)

DELHI OFFICE :
D-47, DEFENCE COLONY
2ND FLOOR, NEW DELHI - 110 024
TEL.: 011-49576030/50405050
FAX : 011-49576020
E-mail : delhioffice@sunflagsteel.com

FARIDABAD OFFICE :
PLOT No. 12, SECTOR '6'
MATHURA ROAD
FARIDABAD- 121 006
TEL.: 0129 - 2311116/712
E-mail : mktg_rz@sunflagsteel.com

ISO9001:2015 QMS

MUMBAI OFFICE :
307, HAMILTON - B
HIRANANDANI BUSINESS
PARK, GHODBUNDER ROAD
THANE - 400 607
TEL.: 022-25862294, 96
25861931
E-mail : mktg_wz@sunflagsteel.com

PUNE OFFICE :
65-69, FIFTH FLOOR,
'SAI KRIPA BHAWAN' PUNE
MUMBAI HIGHWAY, OPP. KSB
PUMP, S. No. 5743, KHARALWADI,
PIMPRI, PUNE - 411 018
TEL.: 020 - 27424685
FAX : 020 - 27423013
E-mail : mktg_pz@sunflagsteel.com

REGD. OFFICE :
33, MOUNT ROAD, SADAR
NAGPUR - 440 001 (INDIA)
PH.: 2524661, 2520356,
2520358
FAX : 0712-2520360
E-Mail : mktg@sunflagsteel.com

Defence Institute of Advanced Technology
(Deemed University), Girinagar
Pune 411 025
(An Autonomous Organization fully funded by Department of Defence Research & Development (DRDO), Ministry of Defence)

DIAT/F/AP/Gen/01

Date: 01 March 2023

CERTIFICATE

This is to certify that '***Mr. Hritvik Revannath Gunjal***' of Bharathi Vidyapith College f ngineering, Lavale, Pune a has completed his internship work on **"Free-Space Optical o..mmunication system"** satisfactorily under my guidance at the Defence Institute of dva..ed Technology (DIAT), Pune. The project began in 28th Jan 2023 and was completed 28th Feb 2023. He has learned the fundamentals of Optical Communication.

His work at DIAT is exemplary. I wish him all the success in his future endeavors.

Dr A. V. R. Murthy
Assistant Professor
Department of Applied Physics

Dr. A. V. R. Murthy
Assistant Professor
Department of Applied Physics
DIAT (DU),
Girinagar, Pune-411025.

. Suwarna Datar
D & Associate Professor
partment of Applied Physics
T (DU), Girinagar,
e-411025.

Defence Institute of Advanced Technology
(Deemed University), Girinagar
Pune 411 025
(An Autonomous Organization fully funded by Department of Defence Research & Development (DRDO), Ministry of Defence)

IAT/F/AP/Gen/01 Date: 01 March 2023

CERTIFICATE

This is to certify that '***Ms. Janhavi Digambar Gawali***' of Bharathi Vidyapith College Engineering, Lavale, Pune a has completed his internship work on **"Free-Space Optical ommunication system"** satisfactorily under my guidance at the Defence Institute of anced Technology (DIAT), Pune. The project began in 28th Jan 2023 and was completed 28th Feb 2023. He has learned the fundamentals of Optical Communication.

His work at DIAT is exemplary. I wish him all the success in his future endeavors.

Dr A. V. R. Murthy
Assistant Professor
Department of Applied Physics

Dr. A. V. R. Murthy
Assistant Professor
Department of Applied Physics
DIAT (DU)
Girinagar, Pune-411025.

Dr. Suwarna Datar
HoD & Associate Professor
Department of Applied Physics
DIAT (DU), Girinagar,
Pune-411025.

DynPro

Dyn... India Pvt. Ltd.
... Floor, ... Wing
... Bangalore ... Karnataka, India
Tel: ... 66...
www.dynpro...
CIN: U7...

Dated: 10th March 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Abhinil Sunil Satone** has successfully completed his internship at **DynPro India Pvt Ltd.** from **06th February, 2023** to **03rd March, 2023** at **Pune**. During this period he was given exposure to Salesforce CRM basics, Salesforce Administration and understanding the cloud offerings of Salesforce.

He worked with interest during his tenure with the Company and successfully completed the assigned project under the guidance of his mentor.

We wish him all the best in his future endeavors.

Regards,

For DynPro India Pvt Ltd.

KIRTI NIRANJAN MANKAME

Digitally signed by KIRTI NIRANJAN MANKAME

Authorised Signatory

aeron®

Internship Offer Letter

F/HRD/14
Rev No: 00

Date: 25th January 2023

To,
Miss Sangeeta Manure,
Bharati Vidyapeeth's College of Engineering,
Lavale Pune.

Dear Sangeeta,

We are pleased to offer you the paid **Intern- Embedded Software Developer - IoT** position with Aeron Systems Pvt Ltd.

Your internship will begin **on 30th January 2023** and end on **3rd March 2023.**

Your stipend amount will be Rs- 5000/- per month.

During your course of internship, you will be working out of our **Pune office**. Your internship work timings will be **9.30 am to 6.30 pm, Monday to Friday.**

We hope that your association with the company will be successful and rewarding.

For, Aeron Systems Pvt Ltd.

AERON SYSTEMS PVT. LTD. PUNE

Manjeet Kaur
Manager – Human Resources
Email – manjeetkaur@aeronsystems.com

BHARATI VIDYAPEETH'S

COLLEGE OF ENGINEERING

LAVALE, PUNE-412115

DEPARTMENT OF MECHANICAL ENGINEERING

LIST OF INTERNSHIP STUDENTS (2022-23)

Sr. No.	Name of the Student	Class	Name of the Company	Year
1	Vyankatesh Pravin Gambhire	TE	Central Railway Workshop, Kurduvadi	2022-23
2	Jignesh Ramesh Kakade	TE	Cyanx Innovations.	2022-23
3	Shinde Nikhil 6	TE	Central Railway Workshop kurduwadi	2022-23
4	Vishal Kailash Vishwakarma	TE	Noble cast comp.pvt.ltd.bhosari.pune	2022-23
5	Atharva Avinash Gole	TE	Noble cast comp. Pvt Ltd	2022-23
6	Vishvajeet Shinde	TE	KGC Engineering Projects Pvt. Ltd.	2022-23
7	Nikita Santosh bhagat	TE	BAYER VAPI PVT. LTD	2022-23
8	Chetan Sanjay Sapkale	TE	Buniyadi Training Centre central Railway Bhusawal	2022-23
9	Mayur Kishor Wankhede	TE	Indian railways (C&w) bsl	2022-23
10	YASH TAMBE	TE	RAILWAY WORKSHOP KURDUWADI	2022-23
11	Aniket Kishor Nikumbh	TE	Senses Electronics Pvt ltd.	2022-23
12	Sanket Revane	TE	KGC Engineering Project PVT.Ltd	2022-23
13	Shubham Nitin Dixit	TE	Central railway Diesel loco shed, pune	2022-23
14	Sanket shivaji Todkar	TE	Dr patangrao kadam sonhira sahakari sakhar karkhana limited wangi	2022-23
15	Gopal Sahebrao Chavan	TE	Diesel loco shed (central railway) , Ghorpadi, Pune.	2022-23
16	Gopal Sahebrao Chavan	TE	Diesel loco shed (central railway) , Ghorpadi, Pune.	2022-23
17	Suraj Marne	TE	Cybernetik technologies Pvt Ltd.	2022-23

18	Suraj Gautam Ambhore	TE	Kranti Industries Ltd.	2022-23
19	Sachin Nandure	TE	Central railway Diesel Loco Shed Pune	2022-23
20	Sandesh Subhash Sable	TE	Knorr-Bremse Systems for Commercial vehicles systems India Pvt Ltd	2022-23
21	Shubham Abhijit Ambekar	TE	Bharat Electronics Limited	2022-23
22	Gouri Ganesh Maslekar	TE	DP INDUSTRIES	2022-23
23	HARIOM MANGESH SHETE	TE	DANA INDIA PVT.LTD	2022-23
24	MANAS SARIPUTTA TELANG	TE	INDUSTRIAL ENGINEERS PVT LTD.	2022-23
25	Ajinkya More	TE	Kanase Hyundai, Satara	2022-23
26	Hrishikesh Ravindra Sutar	TE	M/S Noble cast comp pvt Ltd	2022-23
27	SHELKE TEJAS RAJENDRA	TE	UWS ENVIRO - TECH PVT . LTD .	2022-23
28	Mahesh Dnyanoba Talekar	TE	Shree Saigan Industries	2022-23
29	Mohan kashinath Fundse	TE	Kranti industries ltd	2022-23
30	Yatharth Khobragage	TE	Ordnance Factory Ambajhari	2022-23
31	Tushar Sanjay Jadhav	TE	Kranti Industries limited.	2022-23
32	SOMNATH CHANDRAKANT KALE	TE	Hero' Motocorp Ltd.	2022-23
33	sanyojita baburao dhawale	TE	Shree Engineering	2022-23
34	SHREYASH SURESH BORKAR	TE	UWS ENVIRO TECH	2022-23
35	Himanshu Warkade	TE	Kranti Industries Limited	2022-23
36	Ritik Mishra	TE	Valfit Engineers	2022-23
37	Tushar Chilhate	TE	JSW Dolvi Works	2022-23
38	Devkate Namdev Uttamrao	TE	Diesel Loco Shed Central Railway station Pune	2022-23
39	Rohan Vijay pawar	TE	Central railway, ghorpadi pune	2022-23
40	Vinayak Bhimrao Kumbhar	TE	Kiran Industries Karad	2022-23
41	Jaikumar Jadhav	TE	Central Railway Workshop kurduvadi	2022-23

Department Coordinator

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

H. O.D
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

Bharati Vidyapeeth's
College of Engineering, Lavale- 412115
Mechanical Engineering Department
BE Mech 2022-23

Group No.	Name1	Name2	Name3	Name4	Project Title	Guide Name
1	Adarsh Ramesh Gaikwad	Pushpak Narendra Patil	Om Sanjay Dhangar	Vaibhav Pandurang Suryavanshi	Design and development of portable kitchen utensil washer	AAD
2	Manish Somvanshi	Abhijeet Kadam	Avishkar yelve	Shivam dinde	Design and development of car side window wiper	PGR
3	Ashwin Vineeth Naik	Suryakant Shamrao Kadam	Sachin Gopal More	Gopal Raju Kate	Design and optimization of atomatic commercial diffrential system	NNR
4	Monali Luche	Sanket Bhosale	Robin Dsouza	Siddhant khadse	Design and development of automatic weighing and packaging machine	NRS
5	Manthan Panchakshari	Karansingh Hajari	Sahil Mate	Aashutosh Sonone	Design and development of multiple nut remover	ABM
6	Saurabh gaikwad	Pranav padole	Prathamesh dhokare	Saurabh patkotwar	Design and development of portable air conditioning	SRP
7	Ashok Kanaram Choudhary	Rushikesh Dandale	Mayur Dedwal		Automation of indexing head for drilling machine	AMP
8	Aniket Anil Bhosale	Neha sham Dhavan	Harish Santosh Nemade	Rahul Sanjay Gunjal	Design and development of fire fighting robot	SNK
9	Mayur Gumate	Dhananjay pawar	Prathamesh shinde	Devendra Mandale	Design and development dual axis wind mill power	ABM
10	Ujwal Chaudhari	Nikhil Chavan	Vipun Hazare		Design and development rocker bogie defence robot	SPD
11	Tanishq Jain	Rutooj Patil	Darshan Patel	Pawan Moon	Development of self healing composite material	SNK
12	Priyanka Halde	Sonali Jagdale	Ganesh Birajdar		Mechanical properties analysis of 3d printing parts	AMP
13	Deep Telang	Rahul satpute	Dishant Radake	Shreyash Umare	Analysis of self healing composite materials	NRS
14	Omkar Shirse	Vipul Joshi	Suyash Kambale		Analysis of self healing composite materials	SNK

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

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College Of Engineering, Lavale Pune

Bharati Vidyapeeth's

College of Engineering, Lavale, Pune-412115

MOU Signing with Auto Cluster Pune and MIRAI Newsletter Launch REPORT

Department of
Mechanical Engineering

23rd February 2023

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING
LAVALE PUNE-15
Department of Computer Engineering

List of student's Internships for A. Y. 2020-21

Sr. No	Name of Student	Name of Company	Class	Registration Portal	Start Date	End Date
1	Abhishek Hanumant Patil	Zersey Infotech LLP	T. E.	LinkedIn	5/6/2020	4/8/2020
2	Prathamesh kshirsagar	widhya	B. E.	Linkedin	1/1/2021	28/2/2021
3	Abhijeet Jain	Thanisha Lifestyle Creations	S. E.	LinkedIn	20/2/2021	23/3/2021
4	Yash Suchak	HSPM Solutions	T. E.	Recommendation	6/6/2020	6/8/2020
5	Sneha Menon	The Sparks Foundation	B. E.	Intershala	2/11/2020	1/12/2020
6	Sneha Menon	Mitti Ke Rang	B. E.	LinkedIn	2/12/2020	31/1/2021
7	Aayush Chavan	Shree Mahesh Heritage	S. E.	Intershala	28/6/2020	28/7/2020
8	Aayush Chavan	Digital Service	S. E.	Intershala	10/8/2020	10/10/2020
9	Aryan Nair	BeacontoBuyers	S. E.	Intershala	14/1/2021	14/2/2021
10	Rushiraj Rajesh Chavan	MedTourEasy	B. E.	Intershala	1/3/2021	15/4/2021
11	Devesh Tushar Vaidya	Apponix technologies	T. E.	Intershala	12/1/2020	31/3//2021
12	Darshan Sanjay Amrutkar	Knowledge Solutions India	S. E.	Intershala	24/8/2020	5/10/2020
13	Krushna Zamwar	Unschool	S. E.	Intershala	1/7/2020	1/9/2020
14	Akanksha Negi	1000 and You	S. E.	Intershala	18/3/2021	27/3/2021
15	Harsh Shrivastav	Accelerated Skills Pvt. Ltd.	T. E.	Intershala	1/12/2020	20/2/2021
16	Shraddha Gorakh Phalke.	Triporey	S. E.	Intershala	16/10/2021	9/1/2021
17	Praful Katare	Omniconn	T. E.	Self Found	5/2/2021	25/4/2021
18	Aayush Chavan	Digital Service	S. E.	Intershala	17/12/2020	17/1/2021
19	Hruthik Dattatray Kank	Programming with python	S. E.	Intershala	15/6/2020	11/7/2020
20	Shrishti Sunil Nandanwar	Earth Day Network	S. E.	Intershala	23/4/2021	15/5/2021
21	Tejashree Kakade	The Sparks Foundation	T. E.	LinkedIn	1/5/2021	31/5/2021

17/6/2021

Internship Coordinator

Dept. of Computer Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

17/6/2021.

H. O. D.

Head
Dept. of Computer Engineering,
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

Internship Certificate

Zersey Infotech LLP
1101, Gazebo Inn & Suites,
Sector 39, Gurgaon,
Haryana, India
Tel: +91 7011069963

Aug 4th, 2020

To whomsoever it may concern

This is to certify that **Ms Patil Abhishek Hanumant** worked as an **Intern** with Zersey Infotech LLP from 5-6-2020 to 4-8-2020.

He was working with us as **Digital Marketing and Content Intern** helping us create content, promote the app on social media and other channels. His tenure was very fruitful for the company and he was excellent during his tenure as an intern in the company.

He would be an asset to the organization with which he is associated in future.

Sincerely,

Shikha Arora
HR Manager,
Zersey Infotech LLP

CERTIFICATE OF COMPLETION

THIS CERTIFICATE IS PRESENTED TO

Prathamesh Kshirsagar

FOR AN OUTSTANDING PERFORMANCE DURING THE
MACHINE LEARNING INTERNSHIP AT WIDHYA
FROM JAN 2021 - FEB 2021.

Certificate ID : WID_356a4257f3ab

VERFICATION AT :
https://werifycert.herokuapp.com

RAHUL ARULKUMARAN
Co-Founder, Widhya

Certificate of Internship

This is presented to

ABHIJEET JAIN

for completing the 30 days internship
from February to March of 2021.

PREM SAGAR
Marketing Head

MAMTA
Co-Founder & Director

HSPM SOLUTIONS LLP.
REGD ADD: House No. 39, Plot No. 14, Block D, Sector 14, Sant Tulsi Dass Appts, Rohini, New Delhi – 110 085
Corporate Offices' : F-146, Sector-5, Bawana, New Delhi- 110039 | Indira Shankar Nagari, Bhosari colony, Kothrud, Pune - 411038
Contact: 8882655840 | Email: support@hspmsolutions.com

Date: 10/08/2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Yash Dharmesh Suchak** of "**Bharati Vidyapeeth's College of Engineering, Lavale, Pune** " was working under the internship program with our firm. The internship tenure was of **10 weeks** from **2020-06-02 to 2020-08-10** for **"Social Media Marketing & Content Writing",** while working with him we found that his skills are great and he is actively engaged in the projects and tasks assigned to him. During the course of his internship he was offered a position of "**SMM HEAD & LEAD CONTENT EDITOR**"

HSPM Solutions is an IT Startup started at Head Quartered at New Delhi and having corporate offices around Delhi || Mumbai || Pune. It is a business-oriented company with a focus on emerging advances in technology. Entirely based on user demands and compliance driven requirements. As a social responsibility, we also provide skill training to students to build a skillful nation.

During the internship, he was responsible for handling Social Media, Content Writing & Strategy Planning of the marketing team for the firm we found him to be a punctual, hardworking, professional, and dedicated person. His performance exceeded expectations and was able to complete the tasks successfully on time.

We wish him all the best for his future endeavors!!

Best Wishes & Regards,

Himaanshu Saraf
CEO & Designated Partner
HSPM Solutions LLP.
Contact: himaanshu_saraf@hspmsolutions.com

THE SPARKS FOUNDATION

INSPIRE, INNOVATE, INTEGRATE

CERTIFICATE OF COMPLETION

This Certificate is presented to

Sneha Menon

for an outstanding contribution during the session (Nov 2020 - Dec 2020) of Graduate Rotational Internship Program at The Sparks Foundation on 01-Dec-2020.

Certificate Number: HSX53BFU24

Verification at:
https://truecertificates.com/verification/

PRANAV DUBEY

MANAGING DIRECTOR

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING LAVALE PUNE-412115

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Internship Students List 2020-21

Sr.No	Name of student	Class	Duration	Internship Place
1	Kakade Shubhangi	SE	13-03-2021 to 17-05-2021	Social media marketing - clear doubt
2	Swati Amrutkar	SE	13-02-2020 to 14-03-2020	N2R technology hardware and software
3	Mrunal Uday Battise	BE	01-12-2020 to 01-01-2021	The Spark Foundation
4	Utpalkant Sahu	TE	20-05-2021 to	Campus Corners, Mumbai Maharashtra
5	Omkar Laxman Mhadgut	TE	12-11-2020 to 13-12-2020	EventBeepTechnoservices Pvt. Ltd.
6	Nehal Sanjay Gajbhiye	BE	01-12-2020 to 01-01-2021	The Sparks Foundation
7	Raj Nikam	SE	05-05-2021 to 07-06-2021	Aver electrotech, pune
8	Omkar Laxman Mhadgut	TE	21/03/20-22/04/20	NEO Educational Foundation
9	Rohit Jagtap	BE	01-08-2020 to 30-11-2020	Coderize IT solution company Pune
10	Chandrakant Desai	BE	01-01-2021 to 24-03-2021	The Sparks Foundation
11	Amey Raghatate	BE	1-07-2020 To 12-08-2020	INTERSHALA- Machine Learning
12	Nayan Vyas	BE	June 2020-July 2020	Analytics Vidhya-Internshala

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

THE SPARKS FOUNDATION

INSPIRE, INNOVATE, INTEGRATE

CERTIFICATE OF COMPLETION

This Certificate is presented to

Mrunal Battise

for an outstanding contribution during the session (Dec 2020 - Jan 2021) of Graduate Rotational Internship Program at The Sparks Foundation on 12-Jan-2021.

Certificate Number: G87F88W56D

Verification at:
https://truecertificates.com/verification/

PRANAV DUBEY

MANAGING DIRECTOR

Campus Corners
Scratch2Corporate...

Certificate Of Appreciation

Utpalkant Sahu

(BHARATI VIDYAPEETH COLLEGE OF ENGINEERING LAVALE , PUNE)

You are Selected As Campus Ambassador



10th May 2021

Date

No.CampusCorners/CA/May/2021

CEO,
Campus Corners

EventBeep Techno Services Pvt. Ltd.

CERTIFICATE OF INTERNSHIP

This is to certify that

Omkar Mhadgut

has interned with EventBeep Technoservices Pvt. Ltd. as a Community Lead starting from 12/11/2020 to 13/12/2020

Omkar has performed well during the tenure of his internship.

We wish Omkar all the best for his future endeavors.

Yash Verma
HR Manager

EventBeep Techno Services Pvt. Ltd. Certified

Shubham Dange
Project Head

THE SPARKS FOUNDATION

INSPIRE, INNOVATE, INTEGRATE

CERTIFICATE OF COMPLETION

This Certificate is presented to

Nehal Sanjay Gajbhiye

for an outstanding contribution during the session (Dec 2020 - Jan 2021) of Graduate Rotational Internship Program at The Sparks Foundation on 12-Jan-2021.

Certificate Number: S69HDAM9FU

Verification at:
https://truecertificates.com/verification/

PRANAV DUBEY

MANAGING DIRECTOR

AVER
Power Innovation

AVER ELECTROTECH
www.averelectrotech.com | sales@averelectrotech.com | +91 77740 75934
Plot No. 4 / 14, Sector No.10, PCNTDA, Bhosari, Pune - 411 026, Maharashtra, INDIA.

Internship Certificate

"This is to certify that Mr. Raj Sunil Nikam has successfully completed summer internship program in (R&D) under the guidance of Miss Jyoti Madam.

The duration of this project was from 05/05/2021 to 07/06/2021.

The internship on evaluation fulfills all the stated criteria and student's finding his original work.

I hereby certify his work excellent to the best of my knowledge.

Signature

AVER ELECTROTECH * 411 026 * PUNE

_____"

BHARATI VIDYAPEETH'S

COLLEGE OF ENGINEERING

LAVALE, PUNE-412115

DEPARTMENT OF MECHANICAL ENGINEERING

LIST OF INTERNSHIP STUDENTS (2020-21)

Sr.No.	Name of the Student	Class	Name of the Company	Year
1	Kartikee Awasare	BE	SAP Parts Pvt. Ltd. Pune	2020-21
2	Prasad Wange	TE	Eleation Hyperworks, Pune	2020-21
3	Dnyaneshwar Yadav	TE	Chindalia Aggrigate Pvt. Ltd., Rajasthan	2020-21
4	Dnyaneshwar Jadhav	BE	Eleation Hyperworks, Pune	2020-21
5	Gaurav Kulkarni		International Model United Nations, INTERSHALA	2020-21
6	Tanmay Mandekar	BE	Peenak, Nagpur	2020-21
7	Tanmay Mandekar	BE	Optimized infotech	2020-21
8	Prakhar Tyagi	BE	Evolutionary Systems Pvt. Ltd	2020-21
9	Sodegaonkar Akshay	BE	Muskurahat Foundation	2020-21
10	Aditya Wankhede	TE	KAMAKHYA VYAPAR PRIVATE LIMITED	2020-21

Department Coordinator

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

Ref: /PUN/ D/INT-COM/20-21/01

Internship Completion Certificate

Date: 06-Nov-2020

To,
College Of Engineering,
At /Post Lavale,
Tal.Mulshi, Pune-412115.

Subject: - Internship Completion Certificate

Student Name: - Miss. Kartikee Awasare

Internship Offer Letter Ref No: - **Ref: /PUN/HRD/INT/20-21/01**

Dear Sir/Madam,

This is to Certify that Miss. Kartikee Awasare successfully completed the Internship Programme from 28/06/2020 To 30/09/2020.

During this time, she has completed all the tasks she was assigned by the Company. We found her to be sincere, honest and efficient in executing the assigned responsibilities.

We wish her all the best in her future endeavours.

Sap Parts Pvt.Ltd.

Prasad B. Kulkarni
Managing Director

SAP PARTS PRIVATE LIMITED

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

ELEATION

Certificate of Training

ELEATION'S CAD (CREO)

BASIC TO PROFESSIONAL TRAINING PROGRAM

Course Duration 2 Months (60 Days) Center Online

This is to Certify that

PRASAD LAXMAN WANGE

has Successfully Completed **ELEATION's CAD (CREO) Basic to Professional Training Program,** which contains training on CREO Parametric. Also Successfully Completed & Submitted the Practice Models, assignment & tutorials.

Congratulations, you have scored 225 / 225.

Signed by

ELEATION

Training Certificate No. ESA_CREO_52065

Date 14th Sep 2020

support@eleation.com, hr@eleation.com
www.eleation.com

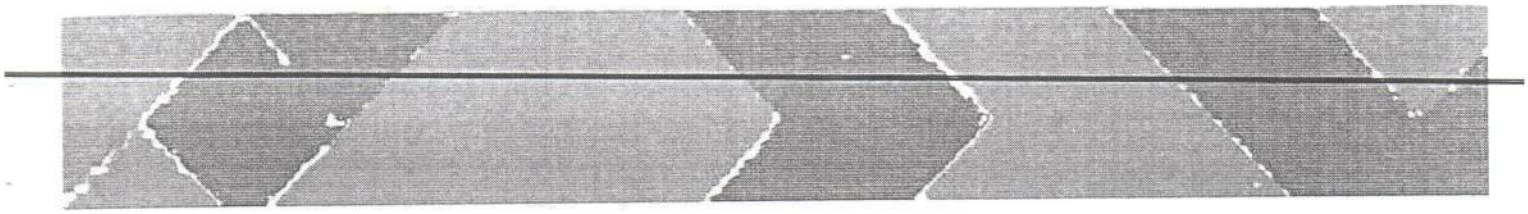
TO WHOMSOEVER IT MAY CONCERN

This is to certify that Dnyaneshwar Yadav has undergone a one-month internship with Aggrigate from 15th March 2021 to 16th April 2021.

He worked in field of Crop Research and was able to complete the same in due time.

We wish him all the best for future endeavors.

Rounak S Chindalia
Director
Aggrigate



Bharati Vidyapeeth's College of Engineering , Lavale, Pune.

Department of Civil Engineering

BAI(SIP) Internship Student List 2019-2020

Sr.No.	Student Name	Mobile No.	Company	Location	Class
1	BHARULE KUNAL RAVINDRA	8446897881	Lunkad Realty	Pune	BE
2	PATIL MANOJ DINKAR	7058642063	Bhate & Raje Constructions	Kolhapur	BE
3	RAVINA JANKU DHOKARE	8180916753	Soil Tech India Pvt ltd.	Pune	BE
4	SNEHLATA MAHENDRA PAWAR	7057645402	Soil Tech India Pvt ltd.	Pune	BE
5	SURWASE PALLAVI BALAJI	8412817314	Soil Tech India Pvt ltd.	Pune	BE
6	PALIWAL KAJAL PRAKASH	7447386779	Soil Tech India Pvt ltd.	Pune	BE
7	WANKHEDE MRUNAL KAILASH	8308624869	Soil Tech India Pvt ltd.	Pune	BE
8	DAWALE SONALI BABURAO	8888528472	Millennium Engineers	Pune	BE
9	PATIL GAYATRI GURULING	9096820180	Millennium Engineers	Pune	BE
10	SALUNKHE BHAUSAHEB SUKHADEO	8766763894	Millennium Engineers	Pune	BE
11	SWATI RAVAJI SURYAWANSHI	7558247445	Millennium Engineers	Pune	BE
12	KULKARNI SNEHAL DNYANESHWAR	7249664451	Klikwoods Pvt. Ltd.	Pune	TE
13	LAKAL MOHINI MACHHINDRA	8805076488	Klikwoods Pvt. Ltd.	Pune	TE
14	BADVE POOJA PRAVIN	8788517658	Klikwoods Pvt. Ltd.	Pune	TE
15	VISHWAJEET ZADBUKE	7038546100	Klikwoods Pvt. Ltd.	Pune	TE
16	RUPESH RATHOD	7218773362	Klikwoods Pvt. Ltd.	Pune	TE
17	PAWAR ANUJ MAHADEO	9527019289	M/s Venkatshwara Construction, Ambegaon Bk, Pune	Pune	BE
18	ANEKAR RUTUJA RAJAN	8551884885	M/s Venkatshwara Construction, Ambegaon Bk, Pune	Pune	BE
19	SHIRKE TEJSHREE VIJAY	9769707465	M/s Venkatshwara Construction, Ambegaon Bk, Pune	Pune	BE
20	LINGAYAT UMA HIRALAL	9158035537	M/s Venkatshwara Construction, Ambegaon Bk, Pune	Pune	BE
21	BHUNDE AKSHAY ANKUSH	8668441568	Roadways Solution Infra India Pvt.ltd.	Pune	BE
22	KHATKE KISHAN PARMESHWAR	7066894107	Roadways Solution Infra India Pvt.ltd.	Pune	BE
23	SALUNKHE NISHANT ANIL	9689117363	Roadways Solution Infra India Pvt.ltd.	Pune	BE

Prof. Sangram Patil
(Internship Coordinator)

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

H.O.D.

H.O.D

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Builders' Association of India

Pune Centre

ISO 9001:2015 Certified

www.baipune.org

(All India Association of Engineering Construction Contractors & Builders)

BAI's P B G Shirke Activity Centre : 23, 24 & 25 "Sangam" Ph II, Near Sangam Bridge
Pune - 411 001. Ph: 020 - 2605 92 55. Email : info@baipune.org

Students Internship Programme

15th Edition

Certificate of Participation

This is certify that Mr / Ms ....*Rupesh*.....

from ....*Bharati Vidyapeeth's College of Engineering , Lavale, Pune.*....has satisfactorily

completed his / her Internship in Jan 2020 with ....*Klikwoods Pvt. Ltd.*....

Manoj Deshmukh
Chairman

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

Sanjay Apte
Hon. Secretary

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Builders' Association of India

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(All India Association of Engineering Construction Contractors & Builders)

BAI's P.B.G Shirke Activity Centre, 23, 24 & 25 "Sangam" Ph II, Near Sangam Bridge
Pune - 411 001. Ph. 020 - 2605 92 55. Email: info@baipune.org

Students Internship Programme

15th Edition

Certificate of Participation

This is certify that Mr / Ms ..... *Paliwal* .....

from ..... *Bharati Vidyapeeth's College of Engineering , Lavale, Pune.* .....has satisfactorily

completed his / her Internship in Jan 2020 with ..... *Soil Tech India Pvt ltd., Pune* .....

Manoj Deshmukh
Chairman

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

Sanjay Apte
Hon. Secretary

Scanned with OKEN Scanner

Internship Data 2019-20

Sr. No	Name of Student	Name of Company & Address	Internship Duration (start Date -End Date)
1	Sansakr Maske	Bengaluru, Karnataka 560038,India	3/1/2020 to 15/2/2020
2	Harshit Panse	Bengaluru, Karnataka 560038,India	11/11/2019 to 24/01/2020
3	Madhura Naik	Bengaluru, Karnataka 560038,India	3/1/2020 to 15/2/2020
4	Akanksha Yadav	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
5	Anjali Kumari	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
6	Ashlesha Gharge	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
7	Atharv Jangam	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
8	Bhavesh Bardiya	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
9	Bhushan Wani	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
10	BISHAL PAL	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
11	Darshan Kulthe	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
12	GAURAV BORADE	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020

13	Gaurav Sathe	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
14	Harsh Dhar	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
15	Jitendra Choudhary	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
16	Maheshwar Kumbhar	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
17	Megha Ghatol	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
18	Nikhil Nerkar	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
19	Omkar BIradar	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
20	Omkar Mahajan	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
21	Pooja Shitole	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
22	Prateek Srivastava	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
23	Pratik Zimbre	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
24	Rajnandini Kuberkar	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
25	Rohansh Yaldandi	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
26	Samiraj Shirsat	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
27	Sandesh Kale	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
28	Shankar Gore	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020

29	Shruti Kashyap	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
30	Shruti Sharma	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
31	Shubham Bharti	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
32	Shubham Birari	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
33	Shwetali Bhagwat	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
34	Sneha Menon	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
35	Sourabh Chougale	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
36	Sourav Gupta	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
37	Sukanya Reddy	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
38	Swapnil Shreerame	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
39	Tushar Gouda	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
40	Utkarsh Rokade	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
41	Utkarsh Shukla	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
42	Vaishnavi Nagare	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
43	Yashasvi Ayane	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020
44	Yogesh Tekam	Zensar Technologies, MIDC Kharadi, Knowledge Park, Pune	16/12/2019 to 27/2/2020

45	Apurva Hazare	Vetalbuwa chowk Above Honda showroom opposite to siddhi lawns,Narhe	4/1/2020 to 4/5/2020
46	Ankit ghatole	Ask In City C 5/2, opposite Sbi Atm, Chetganj, Varanasi, Uttar Pradesh	7/1/2020 to 7/2/2020
47	Minesh Rajan Ahirekar	Web Minds Web Minds IT Solution, Kudale Baug, Vadgaon Budruk, Pune, Maharashtra	16/12/2020 to 20/01/2020
48	Yash Pachorkar	Mass Techologies , Noble Manchester, opp. Navale Hospital, Narhe, Pune	16/12/2019 to 16/01/2020
49	Sayukta S Lakkam	Web Minds Web Minds IT Solution, Kudale Baug, Vadgaon Budruk, Pune, Maharashtra	16/12/2019 to 16/01/2020
50	Damini pawar	Web Minds Web Minds IT Solution, Kudale Baug, Vadgaon Budruk, Pune, Maharashtra	16/12/2019 to 16/01/2020
51	Sumit Kumar	Microsoft, Gachibowl, Hyderabad	15/12/2019 to 15/02/2020
52	Ram Bongale	KIT Veneers Pvt. Ltd, Delhi	28/2/2020 to 24/3/2020
53	Huzaif Mujawar	PadhHigh & ITCD ,Virtual	4/16/2020 to 16/5/2020
54	Gaurav Ishwar Sadawarti	Deloitte Virtual Internship , Virtual	17/5/2020 to 17/6/2020
55	Gaurav Ishwar Sadawarti	SoftEzi Solutions, A-10, Atharva Residency, Near GSLab, Baner Rd, opp. to Domino's, Baner Gaon, Pune	7/7/2020 to 8/8/2020
56	Trupti Prakash Shinde	Triporey company, Mumbai	5/7/2020 to 7/8/2020
57	Devesh Vaidya	TCSiON Geetanjali, New DP Rd, opposite Allahabad Bank, Aundh, Pune	3/5/2020 to 16/5/2020
58	Manali Choudhary	SoftEzi Solutions, A-10, Atharva Residency, Near GSLab, Baner Rd, opp. to Domino's, Baner Gaon, Pune	7/7/2020 to 8/8/2020
59	Sanskar Maske	HSPM Solutions, Indira Shankar Nagari, Bhusari Colony, Kothrud, Pune	2/6/2020 to 10/8/2020
60	Yash Suchak	HSPM Solutions, Indira Shankar Nagari, Bhusari Colony, Kothrud, Pune	2/6/2020 to 10/8/2020

61	Pratiksha Uttam Mogale	Vision insight , Virtual	26/5/2020 to 25/6/2020
62	Katkar Kajal Namdev	Growth marketing & strategy, Virtual	26/5/2020 to 26/8/2020
63	Kale Sakshi	TCSiON Geetanjali, New DP Rd, opposite Allahabad Bank, Aundh, Pune	22/4/2020 to 2/4/2020
64	Harshit Panse	Intershala, Virtual	20/5/2020 to 29/7/2020
65	Kalwale rajeshri rameshwar	Web Development, Virtual	27/5/2020 to 29/6/2020
66	Shraddha Phalke	Sololearn, Virtual	1/5/2020 to 25/5/2020
67	Shraddha Phalke	Mongo DB, Virtual	1/5/2020 to 30/5/2020
68	Shubham Pisal	Mongo DB, Virtual	1/5/2020 to 30/5/2021
69	Bhavesh Rajendra Bardiya	RoboSlog Private Limited, Virtual	31/5/2020 to 30 /6/2020
70	Nikhil Nerkar	TCSiON Geetanjali, New DP Rd, opposite Allahabad Bank, Aundh, Pune	22/4/2020 to 15/5/2020
71	Shubham Bharti	KnowPowersolutions	25/5/2020 to 25/7/2020
72	Rushikesh Madake	SoftEzi Solutions, A-10, Atharva Residency, Near GSLab, Baner Rd, opp. to Domino's, Baner Gaon, Pune	1/4/2020 to 3/5/2020
73	Sneha Menon	TCSiON Geetanjali, New DP Rd, opposite Allahabad Bank, Aundh, Pune	27/4/2020 to 11/4/2020
74	Shubham Bharti	TCSiON Geetanjali, New DP Rd, opposite Allahabad Bank, Aundh, Pune	8/4/2020 to 1/5/2020
75	Sakshi Hood	Android App Development	22/4/2020 to 6/6/2020
76	Aayush Chavan	Shree Mahesh Heritage	28/6/2020 to 27/6/2020

77	Bhavesh Rajendra Bardiya	Cashlenders pvt ltd.	1/5/2020 to 21/5/2020
78	Ankit Prashant Ghatole	Cashlenders pvt ltd.	1/5/2020 to 21/5/2020
79	Akash Santram Nikam	Austere Systems Pvt.Ltd., Ganga Nagar Rd, Pradhikaran, Nigdi, Pimpri-Chinchwad	15/6/2019 to 31/6/2020
80	Nikita Chandrapatale	TCSiON Geetanjali, New DP Rd, opposite Allahabad Bank, Aundh, Pune	15/4/2020 to 5/5/2020
81	Gaurav Sathe	Space advertising agency, Senapati Bapat Marg, Lower Parel, Mumbai	23/5/2020 to 24/7/2020
82	Ankit Prashant Ghatole	Gut Lernen Technocraft Pvt. ltd. Supreme Center, Anand Park, ITI Road, Near parihar Chowk,, Aundh	19/5/2020 to 19/6/2020
83	Akash Jadhav	Austere Systems Pvt.Ltd., Ganga Nagar Rd, Pradhikaran, Nigdi, Pimpri-Chinchwad	19/5/2020 to 19/6/2020
84	Sourabh Nikam	SoftEzi Solutions, A-10, Atharva Residency, Near GSLab, Baner Rd, opp. to Domino's, Baner Gaon, Pune	1/4/2020 to 3/5/2020
85	Sumit Kumar	Udacity, Virtual	1/4/2020 to 3/5/2020
86	Sumit Kumar	TCSiON Geetanjali, New DP Rd, opposite Allahabad Bank, Aundh, Pune	15/4/2020 to 5/5/2020
87	Shreshti Prihar	Griffith University, Virtual	15/4/2020 to 4/5/2020
88	Navneeth Rajhans	ICSI, Virtual	15/4/2020 to 8/5/2020
89	Sumit Kumar	Deloitte Virtual Internship , Virtual	2/6/2020 to 25/6/2020
90	Sumit Kumar	JP Morgon, Virtual	28/6/2020 to 20/7/2020

BOLT

Inventrom/HRD/2020/FREESAN7635
25/01/2020

INTERNSHIP COMPLETION CERTIFICATE

To Whom It May Concern

This is to certify that SANSKAR MASKE, a student of Bharati vidyapeeth college of engineering, lavale, pune. has successfully completed a Student Partner Internship at Inventrom Private Limited for the duration of 2 months from 11/11/2019 to 24/01/2020. During this internship, the tasks undertaken by SANSKAR were related to popularising the concepts of Internet of Things(IoT) and Machine Learning(ML), brand awareness and business development of the Bolt IoT and ML online video training.

We take this opportunity to thank SANSKAR for his/her contribution during this internship and wish them all the best for their future.

Note for hiring companies: To verify the authenticity of this certificate, please email to hr@boltiot.com with the code - FREESAN7635

Yours sincerely,
For Inventrom Private Limited (Bolt IoT)

Joyner Fernandes
Human Resources Manager
Inventrom Private Limited (Bolt IoT)

2:55 0 KB/s 62%

Updated: Congratulations! Selected for Bolt IoT Internship

Inbox

Joyner Fernandes 08/11/2019
to me

Dear Sanskar,

Yesterday we sent you an email informing you that you have been selected for the student partner program. However, we realised that the dates mentioned in the email were not correct. Apologies for the error. Here are the updated details.

Last date to accept the internship offer: Saturday, 9th November 2019 i.e. **TOMORROW**

Start Date of Internship: 11th November 2019
End Date of Internship: 10th January 2019

Here is the updated content of the email given below:

Congratulations! You have been selected for the Bolt IoT Student Partner Internship Program. Less than 10% of the students who applied were able to make a cut to the final selection. The selection was based on your answer to why you should be hired, your CV and overall profile.

2:55 62%

dates mentioned in the email were not correct. Apologies for the error. Here are the updated details.

Last date to accept the internship offer:
Saturday, 9th November 2019 i.e. **TOMORROW**

Start Date of Internship: 11th November 2019
End Date of Internship: 10th January 2019

Here is the updated content of the email given below:

Congratulations! You have been selected for the Bolt IoT Student Partner Internship Program. Less than 10% of the students who applied were able to make a cut to the final selection. The selection was based on your answer to why you should be hired, your CV and overall profile.

To accept the internship please fill this form https://info.boltiot.com/studentpartneracceptance **on or before Saturday, 9th November 2019.**

Here are the details of the internship:
Duration: 2 months
Start Date: 11th November 2019
End Date: 10th January 2019
Reporting to: Mr Pranav Pai Vernekar (Co-Founder and CEO of Bolt IoT)
To know the job description and the tasks of the internship visit: Bolt IoT Student Partner Internship_Job Description

BOLT

Inventrom/HRD/2020/FREEHAR7955
25/01/2020

INTERNSHIP COMPLETION CERTIFICATE

To Whom It May Concern

This is to certify that Harshit Panse, a student of Bharati Vidyapeeth College Of Engineering, Lavale, Pune has successfully completed a Student Partner Internship at Inventrom Private Limited for the duration of 2 months from 11/11/2019 to 24/01/2020. During this internship, the tasks undertaken by Harshit were related to popularising the concepts of Internet of Things(IoT) and Machine Learning(ML), brand awareness and business development of the Bolt IoT and ML online video training.

We take this opportunity to thank Harshit for his/her contribution during this internship and wish them all the best for their future.

Note for hiring companies: To verify the authenticity of this certificate, please email to hr@boltiot.com with the code - FREEHAR7955

Yours sincerely,
For Inventrom Private Limited (Bolt IoT)

Joyner Fernandes
Human Resources Manager
Inventrom Private Limited (Bolt IoT)

#79, First Floor, 5th main road, 11th cross road, Binnamangala, Stage 1, Indiranagar, Bengaluru -560038
Ph: 8881197198 E-mail: contactus@boltiot.com, Website: www.boltiot.com

4G G 2:56 ··· Vo) LTE1 44

Congratulations! Selected for Bolt IoT Internship

Inbox

Joyner Fernandes 11/7/2019

to me

Dear Harshit,

Congratulations! You have been selected for the Bolt IoT Student Partner Internship Program. Less than 10% of the students who applied were able to make a cut to the final selection. The selection was based on your answer to why you should be hired and overall profile.

Since many students mentioned that they currently have their exams and may not be able to submit the CV right away, we decided to select the students purely on the profile and the answer to the question on why you should be hired.

To accept the internship please fill this form https://info.boltiot.com/studentpartneracceptance **on or before Saturday, 9th November 2019.**

Here are the details of the internship:
Duration: 2 months
Start Date: 11th November 2019
End Date: 10th January 2020
Reporting to: Mr Pranav Pai Vernekar (Co-Founder and CEO of Bolt IoT)
To know the job description and the tasks of the internship visit: Bolt IoT Student Partner Internship_Job Description

Stipend: Performance based. Rs. 500/- for every paid registration for the Bolt Internet of Things and Machine Learning Workshop. There is no upper limit. We have seen that students who put in the effort and complete all the tasks satisfactorily are able to achieve an average monthly stipend of more than Rs.10,000/-.

Note: This stipend amount will be transferred directly to the bank account on or before the 15th of the next month. eg. For all the registrations that we receive in the month of September 2019, we will transfer the amount on or before 15th of October 2019.

ASK IN CITY

By Starfox Groups

CERTIFICATE OF COMPLETION

This is to certify that

Mr. Ankit Ghatole

has successfully completed his Internship with us on post

Assisatnt Junior Web Developer

Director (Authorized Signatory)
Highpatchers Private Limited
U72900 P2018PTC111446

Thank You!

Original Copy
Reg. No. 182526-012820

Web Minds IT Solution

Web Minds IT Solutions, PUNE

Office Address: 4th Floor, Dangat Patil Empire,
Near Navale Bridge, Landmark: Above JagatBhari Kolhapuri Hotel
Vadgaon BK, Pune 411 041. Contact No. +91 98901 32085.
hr@webmindsitsolution.com E-mail: webmindsitsolution@gmail.com
Website: www.webmindsitsolution.com

CERTIFICATE

REF: Intern-INT816-2020

Date: 20/01/2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that ***"Mr. Minesh Ahirekar"*** *student of BE (Computer) from* ***"Bharati Vidyapeeth College of Engineering, lavale, Pune"*** *has successfully completed Internship on* ***"Web Development"****. During the period of his internship programme with us, he was found punctual, hardworking and inquisitive.*

University Name- *Savitribai Phule Pune University.*

Duration- 16th December 2019 to 20th January 2020.

Branch- *Computer.*

Technology- *Web Development.*

As abided by intellectual property and confidentiality policy of Web Minds IT Solution, Pune.

We wish him every success in life.

Authorized person sign.

Web Minds IT Solutions Pune

WEB MINDS IT SOLUTIONS

PUNE

Web Minds IT Solution
502, 4th Floor, Dangat Patil
Empire, Vadgaon Bk, Pune 411041
Near Navale Bridge, Pune

MASS Technologies

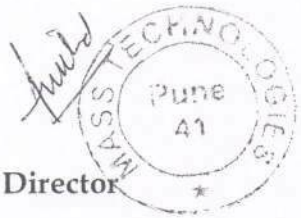
Date: 16th January 2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Yash Pachorkar from Bhrati Vidyapeeth College of Engineering, Lavale, Pune** had successfully completed Internship program in our organization on Python Programming and he had extensively worked on **Python Project**. His Internship duration was from 16th December 2019 to 16th January 2020. His performance was very good and satisfactory and he was present 100% during internship program.

We wish him all the best for his future assignments.

For



Director

MASS Technologies, Pune

Address: 6d, Noble Manchester, Opp Navale Hospital, Narhe, Pune-41
Web: http://www.masstechnologies.co.in

Web Minds IT Solution

Web Minds IT Solutions, PUNE

Office Address: 4th Floor, Dangat Patil Empire,
Near Navale Bridge, Landmark: Above JagatBhari Kolhapuri Hotel
Vadgaon BK, Pune 411 041. Contact No. +91 98901 32085.
hr@webmindsitsolution.com E-mail: webmindsitsolution@gmail.com
Website: www.webmindsitsolution.com

CERTIFICATE

REF: Intern-INT818-2020

Date: 20/01/2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that ***"Ms. Sanyukta Lakkam"*** *student of BE (Computer) from* ***"Bharati Vidyapeeth College of Engineering, lavale, Pune"*** *has successfully completed Internship on* ***"Web Development"****. During the period of her internship programme with us, she was found punctual, hardworking and inquisitive.*

University Name- *Savitribai Phule Pune University.*

Duration- 16th December 2019 to 20th January 2020.

Branch- *Computer.*

Technology- *Web Development.*

As abided by intellectual property and confidentiality policy of Web Minds IT Solution, Pune.

We wish her every success in life.

Authorized person sign

Web Minds IT Solutions Pune

WEB MINDS IT SOLUTIONS

PUNE

Web Minds IT Solution
502, 4th Floor, Dangat Patil
Empire, Vadgaon Bk, Pune 411041
Near Navale Bridge, Pune

Web Minds IT Solution

Web Minds IT Solutions, PUNE

Office Address: 4th Floor, Dangat Patil Empire,
Near Navale Bridge, Landmark: Above JagatBhari Kolhapuri Hotel
Vadgaon BK, Pune 411 041. Contact No. +91 98901 32085.
hr@webmindsitsolution.com E-mail: webmindsitsolution@gmail.com
Website: www.webmindsitsolution.com

CERTIFICATE

REF: Intern-INT817-2020

Date: 20/01/2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that ***"Ms. Damini Pawar"*** *student of BE (Computer) from* ***"Bharati Vidyapeeth College of Engineering, lavale, Pune"*** *has successfully completed Internship on* ***"Web Development"****. During the period of her internship programme with us, she was found punctual, hardworking and inquisitive.*

University Name- *Savitribai Phule Pune University.*

Duration- 16th December 2019 to 20th January 2020.

Branch- *Computer.*

Technology- *Web Development.*

As abided by intellectual property and confidentiality policy of Web Minds IT Solution, Pune.

We wish her every success in life.

Authorized person sign

Web Minds IT Solutions Pune

WEB MINDS IT SOLUTIONS

PUNE

Web Minds IT Solution
502, 4th Floor, Dangat Patil
Empire, Vadgaon Bk, Pune 411041
Near Navale Bridge, Pune

BHARATI VIDYAPEETH'S

COLLEGE OF ENGINEERING

LAVALE, PUNE-412115

DEPARTMENT OF MECHANICAL ENGINEERING

LIST OF INTERNSHIP STUDENTS (2019-20)

Sr.No.	Name of the Student	Name of the Company	Year	Duration
1	RoshanNehete	Central Railways, Bhusawal (MH)	TE	9/12/2019 to 28/12/2019
2	JayeshBharambe	Central Railways, Bhusawal (MH)	TE	9/12/2019 to 28/12/2019
3	SanketKhedkar	MAHAGENCO, ParliVaijnath	TE	10/12/2019 to 24/12/2019
4	Shreyas Tat	MAHAGENCO, ParliVaijnath	TE	10/12/2019 to 24/12/2019
5	GopinathSakhare	MSRTC Hadgaon	TE	11/12/2019 to 01/01/2020
6	PrakharTyagi	Tech Mahindra, Hydrabad	TE	11/12/2019 to 02/01/2020
7	BhavanaWaghmare	Yash Engineering works Aurangabad	TE	11/12/2019 to 03/01/2020
8	ShreyashNangare	VivekEngineeering works, KirloskarWadi	TE	30/12/2019 to 16/01/2020
9	NitishMangalpawar	Shree Saigan Industries Pvt. Ltd., Aurangabad	TE	16/12/2019 to 01/01/2020
10	HerambSawant	KSB Limited, Pune	TE	17/12/2019 to 13/01/2020
11	Mahesh Padalkar	KSB Limited, Pune	TE	23/12/2019 to 13/01/2020
12	AnkitaYadgiri	Lumax Auto Technologies Limited, Pune	TE	17/12/2019 to 08/01/2020
13	ShubhamWalunj	Lumax Auto Technologies Limited, Pune	TE	17/12/2019 to 08/01/2020
14	Udit Mane	BASF India Ltd., Mumbai	TE	19/12/2019 to 09/01/2020
15	KartikeeAwasare	Kakade Laser, Pune	TE	23/12/2019 to 01/01/2020
16	SujayPawar	Kakade Laser, Pune	BE	23/12/2019 to 01/01/2020

17	AnkushNilange	Alpha Dies and pattern pvt. Ltd.	TE	22/12/2019 to 21/01/2020
18	UmeshBadgujar	Ujwal Automobile Pvt. Ltd.	TE	19/12/2019 to 02/01/2020
19	JidnyeshRaut	National Institute of security markets	TE	10/12/2019 to 27/12/2019
20	AjinkyaJadhav	AstronValvetech Pvt. Ltd.	BE	03/06/2019 to 11/06/2019
21	Akshay Mate	AstronValvetech Pvt. Ltd.	BE	03/06/2019 to 11/06/2019
22	Rushikeshmalave	AstronValvetech Pvt. Ltd.	BE	03/06/2019 to 11/06/2019
23	VishwajeetJamale	AstronValvetech Pvt. Ltd.	BE	03/06/2019 to 11/06/2019
24	abhaykumar	NTPC Sipat	BE	01/06/2019 to 29/06/2019
25	PrajwalKurve	Guidewaycovers Pvt. Ltd., Nigadi, Pune	TE	08/06/2019 to 30/06/2019
26	PurvaPohekar	Guidewaycovers Pvt. Ltd., Nigadi, Pune	TE	08/06/2019 to 30/06/2019
27	AnkitBisht	Guidewaycovers Pvt. Ltd., Nigadi, Pune	BE	08/06/2019 to 30/06/2019
28	AshishKawale	Guidewaycovers Pvt. Ltd., Nigadi, Pune	BE	08/06/2019 to 30/06/2019
29	SurajKiranPatil	Sridevi tools Engineers Pvt. Ltd. Mumbai	TE	17/12/2019 to 31/12/2019
30	Gauravmatalkar	Shree Saigan Industries , Walunj	TE	16/12/2019 to 01/01/2020
31	SatyajeetChavan	KasturiFoundary Pvt. Ltd., Kolhapur	TE	05/06/2019 to 25/06/2019

Internship Coordinator

Internship Cell Coordinator

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

HOD

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

2019-20

मध्य रेल

CENTRAL RAILWAY

विद्युत इंजन कारखाना
Electric Locomotive Workshop

(रेलवे/Rly.) 54275
(बीएसएनएल/BSNL) 02582-222634
ईमेल/email:cwmelwcrly@gmail.com
वेबसईट/Website: elwbslrail.org

(An ISO 9001:2008, ISO 14001:2004, OHSAS18001:2007, ISO 50001:2011, 5 S -10006 Organization)

भुसावल/Bhusawal-425201

ELW/B/ /19/ 09 Date 28/12/19

TO WHOM IT MAY CONCERN

This is to certify that Mr./Miss Roshan Ashok Nehete
has been given the in plant/vocational training
from 09.12.2019 to 28.12.2019 at Electric Locomotive
Workshop, Bhusawal.
His/Her conduct during the training is Good/Very Good/Excellent. ✓

28.12.19
मुख्य अनुदेशक
Chief Instructor
वि.इं.का.म.रे. भुसावल
ELW C.R. Bhusawal

Electric Locomotive Workshop
Central Railway
Bhusawal

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

मध्य रेल

CENTRAL RAILWAY

विद्युत इंजन कारखाना

Electric Locomotive Workshop

(रेलवे/Rly.) 54275
(बीएसएनएल/BSNL) 02582-222634
ईमेल/email:cwmelwcrly@gmail.com
वेबसईट/Website: elwbslrail.org

(An ISO 9001:2008, ISO 14001:2004, OHSAS18001:2007, ISO 50001:2011, 5 S -10006 Organization)

भुसावल/Bhusawal-425201

ELW/BSL/BTC/V/ 10 Date 28/12/2019

TO WHOM IT MAY CONCERN

This is to certify that Mr./Miss Jayesh S. Bharambe
has been given the in plant/vocational training
from 09.12.2019 to 28.12.2019 at Electric Locomotive
Workshop, Bhusawal.
His/Her conduct during the training is Good/Very Good/Excellent.

28.12.19

मुख्य अनुदेशक
Chief Instructor
वि.इं.का.म.रे. भुसावल
ELW C.R. Bhusawal

Electric Locomotive Workshop
Central Railway
Bhusawal

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

Ref : CE / GEN / PRL./ In Plant. Trg/

Date : 30 DEC 2019

MAHA GENCO
Maharashtra State Power Generation Co. Ltd.

Maharashtra State Power Generation Co. Ltd.

Parli Thermal Power Station, Parli - Vaijnath. Dist. Beed

CERTIFICATE

This is to certify that Mr/Miss/Ms. Ganket Subhash Khedkar Branch. Mechanical Engg. Name of College B.V. College Of Engineering Lavale, Pune Student of 3rd year, has successfully undergone the In-plant Training of Winter / Summer session, at section T.M. Unit 6/7 (NPTPS) in Maharashtra State Power Generation Company Ltd.TPS Parli-V.during the period with effect from 10./12./2019 to 24./12./2019

Hence the certificate is issued

CHIEF ENGINEER,
MSPGCL, T.P.S., Parli-V

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale

Bharati Vidyapeeth's College of Engineering, Lavale, Pune.

Department of Civil Engineering

Internship A.Y.: 2018-2019

Sr. No.	Name of Construction Industry	Types of Construction	Class/ Branch	Name of Student
01.	Ankush Runja Lokhande	Consulting Engineer	Civil Engineering	Anuj Pawar
02.	Manidhari Industries	RCC Fencing Poles	Civil Engineering	Kajal Paliwal
03.	Vikram Monohar and Associates	Consulting Engineers and Building Planner and Contractors	Civil Engineering	Kunal Bharule
04.	ABIL	Infrastructure Real Estate Hospitability	Civil Engineering	Rohit Latke
05.	ASCON	Residential	Civil Engineering	Snehlata Pawar
06.	Soham Consultants	Business Developer	Civil Engineering	Vaibhav Dhage
07.	ABM Consultants Company	Residential	Civil Engineering	Yash Navandar
08.	Nine Developers	Residential	Civil Engineering	Pavan Gote Aditya Lohi Prasad Shingate Suraj Mane
09.	Government of Bihar	Bihar PWD Works	Civil Engineering	Anuj Anand
10.	Shti Ramesh B. Patil	Commercial Construction	Civil Engineering	Deepak Patil
11.	Mote Infracon	Road and Building Site	Civil Engineering	Vivek Kore

H.O.D

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

nine
developers

Date: 29/06/2019

This is to certify that **Mr. Aditya Surendra Lohi** has successfully completed 25th days of training under the guidance of Nine Developers from 5th June 2019 to 29th June 2019.

For Nine Developers

Proprietor

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

Jmberger-Private

Shop no : 13, Q Wing, Survey No : 75,
Wonder City, Katraj, Pune - 411046.
Contact : 9822912229, 02024370861

MOTE INFRACON

ENGINEERS | CONTRACTORS | DEVELOPERS

Date 18/7/2019

CERTIFICATE

This is to certified that **Mr.Vivek chandrakant kore** . He was started his internship training Dated on 1/6/2019 .

He was present on building and road site in working days. He is about to learn Might have cleared concept in his study. He has worked certainly in internship training . completed his internship training Dated on from 1/6/2019 to 15/7/2019 He has knowledge of internship.

Internship training in field of civil Engineering . He has good experience Internship training

Certified by

DHIRAJ S. MOTE
Consulting Engineer
CB00M/R/2018/APL/00008

MOTE INFRACON * OSMANABAD * UAM No. MH24D-0003604

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

ABM
Building Value

ABM
CONSTRUCTION COMPANY

Plot No.12, Siddhivinayak Nagar,Dig
Mo.No. 9657690341, 99759292
E-mail : anupmodani6@gmail.cc
Website : www.abmconstructionco.co

DATE-29/06/19

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr.Yash Sunil Nawandar ,student of Bharti Vidyapeet college of Engineering ,Lavale Pune has successfully completed 20 days of training under guidance of ABM CONSTRUCTION from 8th June 2019 to 28th June 2019 . And he has performed his duties in satisfactory manner and we wish him a great future ahead.

ANUP MODANI
Reg.No.
NPD/654
2017
9657690341

ABM CONSTRUCTION COMPANY,DIGRAS

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING
LAVALE PUNE-15
Department of Computer Engineering
List of the Students for Inplant Training (2018-19)

Sr.No.	Name Of The Studen	NAME OF COMPANY	DEPARTMENT	PLACE
1	Navneet Rajhans	ANR Software Pvt.Ltd.	T.E. Computer	Delhi
2	Ankit Ghatole	IT Networkz Pvt. Ltd.	T.E. Computer	Nagpur
3	Kirti Gauraha	NTPC Korba Ltd.	T.E. Computer	Bilaspur
4	Sumit Kumar	Paramhansh Infotech Ltd.	T.E. Computer	Pune
5	Vikas Lohtia	Internshala	T.E. Computer	Pune
6	Prateek Srivastava	Zenais Consultancy Services Pvt.Ltd.	T.E.Computer	Pune
7	Ravina Solanke	Mass Technologies	B.E.Computer	Pune
8	Shubhangi Lohar	Mass Technologies	B.E.Computer	Pune
9	Sanyukta Lakkam	Mass Technologies	B.E.Computer	Pune
10	Vavale Purva	Mass Technologies	B.E.Computer	Pune
11	Vavale Apurva	Mass Technologies	B.E.Computer	Pune
12	Surve kalpeksha	Mass Technologies	B.E.Computer	Pune
13	Kudale Juilee	Mass Technologies	B.E.Computer	Pune
14	Akash Mahajan Jadhav	Austere Systems Pvt.Ltd.	B.E.Computer	Pune
15	Akash Kumar Arun Ar	Austere Systems Pvt.Ltd.	B.E.Computer	Pune
16	Akash Santram Nikam	Austere Systems Pvt.Ltd.	B.E.Computer	Pune
17	Ram Kanhoba Bhongl	Austere Systems Pvt.Ltd.	B.E.Computer	Pune
18	Bolke Shweta	Austere Systems Pvt.Ltd.	B.E.Computer	Pune
19	Vaishnavi Kohinkar	Austere Systems Pvt.Ltd.	B.E.Computer	Pune
20	Harshada D. Bandal	Austere Systems Pvt.Ltd.	B.E.Computer	Pune
21	Nikita Chandrapatle	Austere Systems Pvt.Ltd.	B.E.Computer	Pune
22	Gadekar Jyoti	Sumera Food Products pvt.ltd.	B.E.Computer	Pune
23	Vikash Lohatia	Internshala	B.E.Computer	Pune
24	Prajwal Tendulkar	E Mastro	B.E.Computer	Pune
25	Sreshthi Singh Parihar	E Mastro	B.E.Computer	Pune
26	Adesh Potdukhe	E Mastro	B.E.Computer	Pune
27	Rushiraj Chavan	E Mastro	B.E.Computer	Pune
28	Pragati Yadav	TATA Motors	B.E.Computer	Pune
29	Mahima Mashru	ISM Infotech	B.E.Computer	Pune
30	Huzaif U. Mujawar	Soham Consultancy	S.E. Computer	Pune
31	Shravani Tonge	Soham Consultancy	S.E. Computer	Pune

Prof.K.Bala
T.P.C.

Prof.U.C.Patkar
H.O.D.

Dept. of Computer Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

Head
Dept. of Computer Engineering,
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

ANR SOFTWARE PRIVATE LIMITED
SOFTWARE DEVELOPMENT & OUTSOURCING COMPANY
B-103 & 104, Sector-63, Noida-201301 (UP)

To whomsoever it may concern

This is to certify that **Mr. Navneet Rajhans** S/O **Mr. Anil Kumar Jha** Student of 3rd Year Computer Engineering Bharati Vidyapeeth, Lavale, Pune in the academic year 2018-19 successfully completed his Internship in our Organization from 17th Dec 2018 till – 21st Jan 2019 for this duration he worked in *Application Development and Maintenance Department* on JAVA " under the guidance of Mr. Ravi Gupta. He was sincere in his work as well as good natured and well behaved in the organization.

I wish his all success in his future endeavor.

With Best Wishes,

Yours Sincerely,

For ANR Software

Harpreet Singh Anand

Manager-Projects,

+919899101808

Hsingh@anrsoftware.com

ANDROID APP DEVELOPMENT

INTERNSHIP – CERTIFICATE OF COMPLETION

To Whomsoever It May Concern

Date : 07/01/2019

Place : Nagpur

This is certify that and confirm that **Mr. Ankit Ghatole [Trainee Engineer]**, student of the Bharati Vidyapeeth College of Engg (IIIrd year, CSE Dept., Pune, Maharashtra), has done an Internship work in Android App Development in Kavin's group of company (at IT-NeteorkZ Infosystem Pvt. Ltd.) and have completed it in accordance with the approved with approved Modules and specification, under the guidance and supervision of **Mr. Vilas Dongre [Software Developer].**

His Internship duration was 60 Hrs and conducted from 17 Dec, 2018 to 07 Jan, 2019.

During this Internship, his performance found good.

We wish him good luck for his future endeavors.

Project Head
Kavin India
(Authorized Signatory)

Project Head
Kavin India Pvt. Ltd,
Nagpur-22

KAVIN INDIA PVT. LTD. NAGPUR-22

HRM
Kavin India
(Authorized Signatory)

(भारत सरकार का उद्यम)
(A Government of India Enterprise)

कोरबा
Korba

कर्मचारी विकास केन्द्र, कोरबा
Employee Development Centre, Korba

प्रमाणपत्र
CERTIFICATE

Ref. No.:EDC/VT/18-19/345

Dated : 14 January 2019

This is to certify that Ms. Kriti Gauraha, daughter of Mr. Umakant Gauraha, a student of Fifth Semester, BE - Information Technology from Bharati vidyapeeth college of engineering, lavale, has successfully completed her Vocational Training from Employee Development Centre, NTPC Limited /Korba, Jamnipali, Chhattisgarh from 16/12/2018 to 14/01/2018.She has undergone Training on Information Technologies in NTPC. Wish her every success in life.

14/01/19

Signature of Issuing Authority

स्वुशाल चंद्र चौहान
K. C. CHAUHAN
उप महाप्रबंधक (EDC)
Dy. General Manager (EDC)
एनटीपीसी लिमिटेड, कोरबा (छ. ग.)
NTPC Limited, KORBA (C. G.)

EDC Korba Vision: "The most admired Learning & Development Centre of NTPC"

कोरबा सुपर थर्मल पावर स्टेशन, पो. - जमनीपाली, जिला – कोरबा, छत्तीसगढ़ – 495450. संपर्क: 07759-29-3280, 23-2138
Korba Super Thermal Power Station, P.O. - Jamnipali, Dist. - Korba, Chhattisgarh - 495450. Contact: 07759-29-3280, 23-2138

This certificate is generated based on the data filled by the applicant through the online form. Hence, the responsibility of correctness of data lies with the applicant only.

---------- Cut Here ----------

Ref No.:EDC/VT/18-19/345Dated : 14/01/2019This is to certify that Ms.Kriti Gauraha, daughter of Mr. Umakant Gauraha, a student of Fifth Semester, BE - Information Technology from Bharati vidyapeeth college of engineering, lavale , has successfully completed her Vocational Training from Employee Development Centre, NTPC Limited /Korba, Jamnipali, Chhattisgarh from 17/12/2018 to 15/01/2019.She has undergone Training on Information Technologies in NTPC.Wish her every success in life.

Gauraha

Signature of Trainee

ZENAIS CONSULTANCY SERVICES PVT LTD
Regd. Off: 196 Picnic Garden Road Picnic Park,
Kolkata 700 039, W.B, IN

CIN NO U72200WB2011PTC170798

CERTIFICATE OF PARITICPATION

This is to certify that Mr. PRATEEK SRIVASATAVA of Bharati Vidyapeeth's College of Engineering, Lavale, Pune of the domain *TE* Computer has participated in the internship program of "System and Database Programming" in Zenais Consultancy Services Pvt. Ltd at Kolkata from 1st June 2019 to 15th June 2019.

He has successfully completed the internship program and have been awarded with "1+ Grade".

ZENAIS CONSULTANCY SERVICES PVT. LTD.

Authorised Signatory

Dated 16th June 2019

Corp. Office: GA 165, 487 Rajdanga Main Rd N, Flat-III, Kolkata 700107, W.B., India
Email: www.

MASS Technologies

Date: 22nd June 2019

To,

The HOD,

Department of Computer Science,

Bharati Vidyapeeth College of Engineering, Lavale, Pune

Sub: Internship Completion of**Ms. Ravina Solanke**

Respected Sir,

It gives me immense pleasure that your college student **Ms. Ravina Solanke** had successfully completed the internship in our company. The duration of the internship was from 1st June 2019 to 21st June 2019. She had worked on Java Application Development and had completed one project based on Java technology. Her performance was very good and satisfactory.

We wish her all the best for her future assignments.

Milind Ankleshwar

Director

MASS Technologies

MASS TECHNOLOGIES PUNE 41

MASS Technologies

Date: 22nd June 2019

To,

The HOD,

Department of Computer Science,

Bharati Vidyapeeth College of Engineering, Lavale, Pune

Sub: Internship Completion of **Ms. Shubhangi Lohar**

Respected Sir,

It gives me immense pleasure that your college student **Ms. Shubhangi Lohar** had successfully completed the internship in our company. The duration of the internship was from 1st June 2019 to 21st June 2019. She had worked on Java Application Development and had completed one project based on Java technology. Her performance was very good and satisfactory.

We wish her all the best for her future assignments.

Milind Ankleshwar

Director

MASS Technologies

MASS TECHNOLOGIES PUNE 41

MASS Technologies

Date: 22nd June 2019

To,

The HOD,

Department of Computer Science,

Bharati Vidyapeeth College of Engineering, Lavale, Pune

Sub: Internship Completion of **Ms. Sanyukta Lakkam**

Respected Sir,

It gives me immense pleasure that your college student **Ms. Sanyukta Lakkam** had successfully completed the internship in our company. The duration of the internship was from 1st June 2019 to 21st June 2019. She had worked on Java Application Development and had completed one project based on Java technology. Her performance was very good and satisfactory.

We wish her all the best for her future assignments.





Milind Ankleshwar

Director

MASS Technologies

MASS Technologies

Date: 22nd June 2019

To,

The HOD,

Department of Computer Science,

Bharati Vidyapeeth College of Engineering, Lavale, Pune

Sub: Internship Completion of **Ms. Purva Vavale**

Respected Sir,

It gives me immense pleasure that your college student **Ms. Purva Vavale** had successfully completed the internship in our company. The duration of the internship was from 1st June 2019 to 21st June 2019. She had worked on Java Application Development and had completed one project based on Java technology. Her performance was very good and satisfactory.

We wish her all the best for her future assignments.

MASS TECHNOLOGIES PUNE 41

Milind Ankleshwar

Director

MASS Technologies

MASS Technologies

Date: 22nd June 2019

To,

The HOD,

Department of Computer Science,

Bharati Vidyapeeth College of Engineering, Lavale, Pune

Sub: Internship Completion of Ms. Apurva Vavale

Respected Sir,

It gives me immense pleasure that your college student **Ms. Apurva Vavale** had successfully completed the internship in our company. The duration of the internship was from 1st June 2019 to 21st June 2019. She had worked on Java Application Development and had completed one project based on Java technology. Her performance was very good and satisfactory.

We wish her all the best for her future assignments.

MASS TECHNOLOGIES PUNE 41

Milind Ankleshwar

Director

MASS Technologies

MASS Technologies

Date: 22nd June 2019

To,

The HOD,

Department of Computer Science,

Bharati Vidyapeeth College of Engineering, Lavale, Pune

Sub: Internship Completion of Ms. Kalpeksha Surve

Respected Sir,

It gives me immense pleasure that your college student **Ms. Kalpeksha Surve** had successfully completed the internship in our company. The duration of the internship was from 1st June 2019 to 21st June 2019. She had worked on Java Application Development and had completed one project based on Java technology. Her performance was very good and satisfactory.

We wish her all the best for her future assignments.

MASS TECHNOLOGIES PUNE 41

Milind Ankleshwar

Director

MASS Technologies

MASS Technologies

Date: 22nd June 2019

To,

The HOD,

Department of Computer Science,

Bharati Vidyapeeth College of Engineering, Lavale, Pune

Sub: Internship Completion of Ms. Juilee Kudale

Respected Sir,

It gives me immense pleasure that your college student **Ms. Juilee Kudale** had successfully completed the internship in our company. The duration of the internship was from 1st June 2019 to 21st June 2019. She had worked on Java Application Development and had completed one project based on Java technology. Her performance was very good and satisfactory.

We wish her all the best for her future assignments.

Milind Ankleshwar

Director

MASS Technologies

MASS TECHNOLOGIES PUNE 41

Software Development | Web Development| Research Projects

Off: 6D, Noble Manchester, Opp Narhe Police Chowky, Near Navale Hospital, Off Sinhgad Road, Pune.411041

Bharati Vidyapeeth's College of Engineering, Lavale, Pune – 15

Department Of Electronics and Telecommunication Engineering

Internship Students List 2018-19

Sr.No	Name of student	Class	Year	Internship Place
1	Pooja Pawar	B.E(E&TC)	2018-19	Technoscripts Pvt.Ltd.
2	Shweta Lalwani	B.E(E&TC)	2018-19	BSNL(RTTC-Pune)
3	Amit Sarode	T.E(E&TC)	2018-19	BSNL(RTTC-Nagpur)
4	Saynkuta Kale	T.E(E&TC)	2018-19	NAHATA DATACOM GLOBAL CORP.
5	Amit Sarode	T.E(E&TC)	2018-19	KAVIN(IT-NetworkZ infosystem Pvt. Ltd.
6	Pratik S. Chandurkar	T.E(E&TC)	2018-19	BSNL (RTTC-Nagpur).
7	Hemant Kakde	T.E(E&TC)	2018-19	BSNL (RTTC-Nagpur)..
8	Kartikey Vaish	B.E(E&Tc)	2018-19	BSNL (Gorakhpur SSA)
9	Mayuri Wagh	B.E(E&Tc)	2018-19	ROPES TECH PVT. LTD.
10	Mayuri Wagh	B.E(E&Tc)	2018-19	STROM ENERGIE PVT.LTD.
11	Ayush shukla	B.E(E&Tc)	2018-19	BSNL (Shahjahanpur)
12	Kunjan Kanse	B.E(E&Tc)	2018-19	BSNL(RTTC-Pune)
13	Sanyukta Kale	B.E(E&Tc)	2018-19	BangOn Communications
14	Devesh Talwar	B.E(E&Tc)	2018-19	C DOT, New delhi

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's College of Engineering, Lavale, Pune - 412 115.

Prof. A. B. Wani
H.O.D.

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's College of Engineering, Lavale, Pune - 412 115.

NAHATA DATACOM
GLOBAL CORP

Creating Value Through Technology

To,

The Principal

Bharti Vidyapeeth's College of Engineering, Lavale, Pune

Post Lavale, Tal. Mulashi, Pune – 412115

Sub:- Certificate of Internship

Dear Sir

We would Like to inform you that Miss Sanyukta Kale has successfully completed the internship with us from 15th Dec 2018 to 14th Jan 2019. We had given her basic and intermediate training of Hardware of Desktop and laptop. We have also given her the basic networking training, we had made her to visit one of our premier clients with support engineer.

We are glad to inform you that she has successful completed the task which are been assign to her, She is sincere, hardworking and quick learner.

We give her our wishes for her future endeavour.

NAHATA DATACOM GLOBAL CORP. MUMBAI

Yours Sincerely

15, Dhanji Street, 2nd Floor, White House, Mumbadevi, Mumbai - 400 003.
Tel.: 6624 3434 (30 Lines) • E-mail : business@ndgc.co.in • sales@nahatadata.com

TechnoScripts

Office No. 86 To 89, 5th Floor, C - Wing, Shrinath Plaza, F C Road, Shivaji Nagar, Pune – 411 005.

Ref No: TS/June-2018/435

DATE: 22nd June 2018

Sub: Confirmation Letter of Acceptance for Internship

Respected Sir/ Madam,

We are here informg you that "**Pooja Shantaram Pawar**" student of your college **Bharati Vidyapith College of Engineering Lavale, Pune** has approached us regarding internship in our company. We are glad to inform that we have selected him/her to work in our company 27th May 2018 to 3rd July 2018.

During the internship he/she has worked under supervision of senior team member under Embedded Development Department (IOT).

Yours Sincerely,

TechnoScripts ★ AnISO 9001:2008 Certified ★ Pune

Ajit Shinde (Manager)

TechnoScripts

Email: - info@technoscripts.in Landline: - 020-41217299 Website: - www.technoscripts.in



भारत संचार निगम लिमिटेड
(भारत सरकार का उद्यम)

BHARAT SANCHAR NIGAM LIMITED
(A Government of India Enterprises)

क्षेत्रीय दूरसंचार प्रशिक्षण केंद्र, चिंचवड, पुणे – 411 019

REGIONAL TELECOM TRAINING CENTRE, CHINCHWAD
PUNE - 411 019

प्रमाणपत्र
CERTIFICATE

प्रमाणित किया जाता है कि श्री./श्रीमती/कु. श्वेता लालवानी ने निम्नलिखित "प्रशिक्षण पाठ्यक्रम" सफलतापूर्वक पूर्ण किया और उपस्थिती तथा सैद्धांतिक व प्रायोगिक अध्ययन में प्रशिक्षण केंद्र की सभी अपेक्षाओं को पूरा किया है।

This is to certify that, Shri / Smt. / Ku. Shweta Lalwani *has successfully completed the following "Training Course" and met the requirements of the Training Institute in respect of attendence and study in theory & practicals.* Non-BSNL-RPUTMNB631-2018-13900010

सेमिनार / पाठ्यक्रम का नाम Seminar / Name of the Course	बॅच क्रमांक Batch No.	अवधि Duration	से From	तक To
V.T In Advance Telecom	37	4 weeks	18.06.18	13.07.18

पुणे, दिनांक :
Pune, Date : 13.07.2018.

प्राचार्य (क्षे.दू.प्र.कें.)
Principal (R...)

BHARAT SANCHAR NIGAM LIMITED

(A Govt. Of India Enterprise)

REGIONAL TELECOM TRAINING CENTRE, NAGPUR

(IS/ISO 9001:2015 Certified)

Opp. TV Tower, Seminary Hills, Nagpur - 440006

Website: www.rttcnagpur.bsnl.co.in Email : rttcnagpur@bsnl.co.in

CERTIFICATE

Internship In Telecommunication

This is to certify that AMIT SARODE has successfully Completed INTERNSHIP IN TELECOMMUNICATION w. e. f. 04/06/2018 to 15/06/2018 at Regional Telecom Training Centre, Nagpur.

RTTC Nagpur wishes him/her a bright future.

Certificate No.RNGMGNB681-2018-2075008

Course Code : RNGMGNB681 Course Schedule Code : RNGMGNB681-2018-2075

Date:15/06/2018

Divisional Engineer (Admn)
RTTC Nagpur
मंडल अभियंता (प्रशासन)
भारत संचार निगम लिमिटेड
क्षेत्रीय दूरसंचार प्रशिक्षण केन्द्र
सेमीनरी हिल्स, नागपुर-४

BHARAT SANCHAR NIGAM LIMITED

(A Govt. Of India Enterprise)

REGIONAL TELECOM TRAINING CENTRE, NAGPUR

(IS/ISO 9001:2015 Certified)

Opp. TV Tower, Seminary Hills, Nagpur - 440006
Website : www.rttcnagpur.bsnl.co.in Email : rttcnagpur@bsnl.co.in

CERTIFICATE

Internship In Telecommunication

This is to certify that PRATIK S. CHANDURKAR has participated in INTERNSHIP IN TELECOMMUNICATION w. e. f. 17/12/2018 to 28/12/2018 at Regional Telecom Training Centre, Nagpur.

RTTC Nagpur wishes him/her a bright future.

Certificate No.RNGMGNB681-2018-2129031

Course Code : RNGMGNB681 Course Schedule Code : RNGMGNB681-2018-2129

Date:28/12/2018

Divisional Engineer(Infra)
RTTC Nagpur

Scanned by CamScanner

O/o Principal General Manager (Telecom)
Gorakhpur Telecom District,
1st Floor, BSNL Building, Shastri Chauk,
Gorakhpur- 273001 (Uttar Pradesh)

भारत संचार निगम लिमिटेड
(भारत सरकार का उपक्रम)
BHARAT SANCHAR NIGAM LIMITED
(A Govt. of India Enterprise)

No:-GMTD-GR/SUMMER TRAINING/CERTIFICATE/2019-20/10 DATE 02.07.2019

CERTIFICATE
FOR BASIC LEVEL/VOCATIONAL TRAINING IN TELECOM

This is to certify that Mr. **Kartikey Vaish** Student of **Bharati Vidyapeeth's College of Engineering, Lavale, Pune** Pursuing **B.E. (E&TC) 3rd Year** has successfully completed vocational Training of **Two Weeks** in basic Telecom with effect from **17.06.2019 to 29.06.2019** at Gorakhpur SSA BSNL.

His performance during this training has been **Very Good**. BSNL wishes him all the best for a bright future.

AGM (Admin)
O/o GMTD, Gorakhpur
सहायक महाप्रबन्धक (प्रशासन)
भारत संचार निगम लिमिटेड
कार्यालय-महाप्रबन्धक दूरसंचार; जिला-गोरखपुर

BHARAT SANCHAR NIGAM LIMITED

(A Govt. Of India Enterprise)

REGIONAL TELECOM TRAINING CENTRE, NAGPUR

(IS/ISO 9001:2015 Certified)

Opp. TV Tower, Seminary Hills, Nagpur - 440006
Website : www.rttcnagpur.bsnl.co.in Email : rttcnagpur@bsnl.co.in

CERTIFICATE

Internship In Telecommunication

This is to certify that HEMANT D. KAKDE has participated in INTERNSHIP IN TELECOMMUNICATION w. e. f. 17/12/2018 to 28/12/2018 at Regional Telecom Training Centre, Nagpur.

RTTC Nagpur wishes him/her a bright future.

Certificate No.RNGMGNB681-2018-2129025

Course Code : RNGMGNB681 Course Schedule Code : RNGMGNB681-2018-2129

Date:28/12/2018

Divisional Engineer(Infra)
RTTC Nagpur

Scanned by CamScanner

ROPES TECH PVT. LTD
Sr. No. 30/4 off Dhayari, Shree control chowk, Behind Intelux, Dhayari, Pune -411041.
Email us at: ropesprocess@gmail.com, www.ropestecch.in, contact us at: 8087606783.

Date : 16-7-2019.

TO WHOM IT MAY CONCERN

This is to certify that **Miss Mayuri Wagh** who is pursuing her Graduate from Bharati Vidyapeeth's College of Engineering, Lavale, Pune was working as an apprentice in **ROPES TECH PVT LTD** from 20th April 2019 till 5th May 2019.

Her performance was excellent and was sincere in her work.

We found her dedicated and hardworking towards her work.

We wish her every success in future.

For Ropes Tech Pvt. Ltd.

ROPES TECH PVT. LTD

DIRECTOR

Authorized Signatory

STROM ENERGIE PVT. LTD.

STROM

BVCOE / Internship / 2019-2020

Date : 11 / 07 / 2019

To,

The Head of Department

(E & TC Department),

Bharati Vidyapeeth's College of Engineering ,

Lavale, Pune

Subject : Internship Completion Certificate

Respected Sir,

With reference to the above subject, your student Mis. Mayuri Wagh studying in BE in academic year 2019 -20 has completed internship with us. Her internship was w.e.f 1st June to 30th June 2019 with us.

During the Internship, she experienced following training :

Understanding "Art of Reading Electricity Bill"

Study of Electricity Billing Meter

Study of proposed kVAh Billing

She has also assisted in preparation of technical paper on above subject for one of the Internal conference to be held in August 2019 at New Delhi.

She sincerely completed the Internship with us. We wish her a bright future.

FOR **STROM ENERGIE PVT.LTD**

TALWARE YOGENDRA

DIRECTOR

Office : Ground Floor, Mayur Appt., Behind Bank of Maharashtra, 22, Mayur Colony, Kothrud, Pune 411 038.
Tel : 020 - 25410199 **Mobile** : 98226 53104 **Email** : stromenergie.pune@gmail.com **website** : www. stromenergie.co.in

www.dnyatavyaprakashan.com

BANGON
STRATEGIC COMMUNICATIONS

TO WHOM-SO-EVER IT MAY CONCERN

This is to certify that Mr./Ms. Sanyukta Kale worked as Trainee Marketing in our Ascend Consultants company from 1st June 2019 to 30th June 2019 with our entire satisfaction.

During her working period, we found her a sincere, honest, hardworking, dedicated employee with a professional attitude and very good job knowledge.
She is amiable in nature and character as well. We have no objection to allow her in any better position and have no liabilities in our company.
We wish her every success in life.

Sincerely,
For BANGON
Proprietor

सेंटर फॉर डेवलपमेंट ऑफ टेलीमैटिक्स
भारत सरकार का दूरसंचार प्रौद्योगिकी केन्द्र
सी-डॉट C-DOT
Centre for Development of Telematics
Telecom Technology Centre of Govt. Of India

C-DOT-D/KMG-S/2019/77
July 19, 2019

TO WHOM-SO-EVER IT MAY CONCERN

This is to certify that **Mr. Devesh Talwar,** a student of B.E. (E&TC), Bharati Vidyapeeth College of Engineering, Pune, has undergone a project training in Centre for Development of Telematics, New Delhi from June 10, 2019 to July 19, 2019.

He was involved in project titled: **"GPON OLT Software Study and Modelling".**

His performance was good and he was found to be sincere and hardworking.

Wishing him all the best in his future endeavor.

Minni

(Minni Bhambri)
Head - Knowledge Management Group
C-DOT
New Delhi

सी–डॉट परिसर, महरौली, नई दिल्ली –110 030 भारत फोन : +91-11- 2680 2856 फैक्स: +91-11-2680 3338
C-DOT Campus, Mehrauli, New Delhi-110 030 India Phone: +91-11- 26802856 Fax: +91-11-26803338
वेबसाईट /Website : www.cdot.in



भारत संचार निगम लिमिटेड

(भारत सरकार का उद्यम)

BHARAT SANCHAR NIGAM LIMITED

(A Government of India Enterprise)

क्षेत्रीय दूरसंचार प्रशिक्षण केंद्र, चिंचवड, पुणे – 411 019

REGIONAL TELECOM TRAINING CENTRE, CHINCHWAD,
PUNE - 411 019

प्रमाणपत्र
Certificate

प्रमाणित किया जाता है कि, श्री/श्रीमती कु. कुंजन जगदिश कणसे ने निम्नलिखित "प्रशिक्षण कार्यक्रम" सफलतापूर्वक पूरा किया और उपस्थित अध्ययन एवं परियोजना कार्य संबंधि प्रशिक्षण संस्थान की अपेक्षाएं पूरी की हैं।

This is to certify that, Shri/Smt. Ku. Kunjan Jagdish Kanse has successfully completed the following "Training Course" and met the requirements of the Training Institute in respect of attendance and study in theory & practicals.

सेमिनार / पाठ्यक्रम का नाम	बैच क्रमांक	अवधि	से	तक
Seminar / Name of the course	Batch No.	Duration	From	To
Vocational Training in Advance Telecom.	41	4 Weeks	10.06.2019	5.07.2019

पुणे, दिनांक :
Pune, Date : 5.07.2019

प्राचार्य
Principal

भारत संचार निगम लिमिटेड
BHARAT SANCHAR NIGAM LIMITED
(भारत सरकार का उपक्रम)
(A Govt. of India Enterprise)

BSNL
Connecting India

कार्यालय दूरसंचार जिला प्रबंधक शाहजहाँपुर-२४२००१
O/o Telecom District Manager, Shahjahanpur-242001

प्रमाण पत्र

प्रमाणित किया जाता है कि श्री/कुमारी AYUSH SHUKLA

पुत्र/पुत्री श्री/श्रीमती RAJEEV KUMAR SHUKLA

(डिग्री/वर्ष) B.E. (ब्रांच) ELECTRONIC & TELE COMMUNICATION

(कॉलेज/यूनिवर्सिटी) BHARTI VIDYAPEETH'S COLLEGE OF ENGINEERING LAVALE, PUNE

के छात्र/छात्रा ने दिनांक 10.06.2019 से 05.07.2019 तक 04 सप्ताह ग्रीष्मकालीन प्रशीक्षण इस संस्था में सफलतापूर्वक पूर्ण किया है।

प्रशिक्षण अवधि में प्रशिक्षु को विपणन, आईटी, कंप्यूटर, एचआर की मूल जानकारी से परिचित कराया गया एवं प्रत्यक्ष प्रदर्शन कराया गया।प्रशिक्षु को बिक्री, विपणन एवं सीडीआर से परिचित कराया गया । प्रशिक्षु को बिलिंग, डाटा सर्किट, वीपीएन सिस्टम तथा कमर्शियल सिस्टम के उपयोग एवं मोबाइल तकनीकी की कार्यप्रणाली से अवगत कराया गया।

विभाग प्रशिक्षु के उज्जवल भविष्य की कामना करता है।

08/07/19

दिनांक: 05-07-2019
स्थान: शाहजहाँपुर

मंडल अभियंता (प्रशा०)
दूरभाष: 05842-225900

BHARATI VIDYAPEETH'S

COLLEGE OF ENGINEERING

LAVALE, PUNE-412115

DEPARTMENT OF MECHANICAL ENGINEERING

LIST OF INTERNSHIP STUDENTS 2018-19

Sr.No.	Name of the Student	Name Of the Company	Year	Duration
1	Vrundan Parsekar	Creative manu.soln. pvt ltd, Banda	T.E	20/12/2018 To 29/12/2019
2	Aniket subhedar	Creative manu.soln. pvt ltd, Banda	T.E	20/12/2018 To 29/12/2019
3	Sumit Nimbalkar	Tubefit Engineers, Vasai	T.E	20/12/2018 To 04/01/2019
4	Lalit Bachhav	A.B.Motors pvt.ltd, Malegaon	T.E	17/12/2018 To 02/01/2019
5	Abhay Kumar	NTPCL, Korba.	T.E	1/06/2019 To 29/06/2019
6	Faraaz Redkar	Kamco Diesels, Belgaum..	S.E.	01/06/2019 To 29/06/2019
7	Raj Jadhav	Kakade Laser, Narhe, Pune.	T.E	09/06/2019 To 16/06/2019
8	Pooja Bhosale	Kakade Laser, Narhe, Pune	T.E	09/06/2019 To 16/06/2019
9	Siddharameswar Swami	Kakade Laser, Narhe, Pune	T.E	09/06/2019 To 16/06/2019

10	Aniket koli	Kakade Laser, Narhe, Pune	T.E	09/06/2019 To 16/06/2019
11	Gaurav Zha	Talegaonkar Profile. Alandi. Pune.	S.E.	06/06/2019 To 12/06/2019
12	Prajwal Kurve	Guidways Convers Pvt.Ltd, Pune.	T.E	08/06/2019 To 30/06/2019
13	Ashish Kawale	Guidways Convers Pvt.Ltd, Pune.	T.E	08/06/2019 To 30/06/2019
14	Poorva Pohekar	Guidways Convers Pvt.Ltd, Pune	T.E	08/06/2019 To 30/06/2019
15	Aniket Bisht.	Guidways Convers Pvt.Ltd, Pune	T.E	08/06/2019 To 30/06/2019
16	Ankush Nilange	Venkatesh Motors, Parbhani.	S.E.	03/06/2019 To 04/07/2019
17	Satyajit Chavan	Ksaturi Foundry Pvt. Ltd. Sangli	T.E	05/06/2019 To 25/06/2019
18	Prashant chavan	Jsons foundry pvt ltd. Kupwad. Sangli	T.E	05/06/2019 To 20/06/2019
19	Madhusudhan Ganorikar	AMCO Engineers, Aurangabad	T.E	11/06/2019 To 25/06/2019
20	Paresh Musale	Sai Krupa Auto Coms. Nashik	T.E	12/06/2019 To 28/06/2019
21	Sujay Pawar	Sai Krupa Auto Coms. Nashik	T.E	12/06/2019 To 28/06/2019

Sr.Number	Name of the student	Name of the company	Year	Duration
22	Mr.Abhishek Raj	Astron Valvetech Pvt.Ltd	T.E.	3/6/2019 To 11/6/2019
23	Piyush Chowdhary	Astron Valvetech Pvt.Ltd	T.E.	3/6/2019 To 11/6/2019
24	Ajinkya Jadhav	Astron Valvetech Pvt.Ltd	T.E.	3/6/2019 To 11/6/2019
25	Vishwajit Jamale	Astron Valvetech Pvt.Ltd	T.E.	3/6/2019 To 11/6/2019
26	Mr.Akash Mate	Astron Valvetech Pvt.Ltd	T.E.	3/6/2019 To 11/6/2019
27	Mr.Rushikesh Malve	Astron Valvetech Pvt.Ltd	T.E.	3/6/2019 To 11/6/2019

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

Creative Manufacturing Solutions (India) Pvt. Ltd.

CMSIPL/Indus Trg./2018-19/
Date- 29.12.2018

Industrial Training Certificate

This is to certify that Mr. Vrundan Parsekar studying in Mechanical Engineering (T.E. Mechanical) at Bharti Vidyapeeth's College of Engineering, Lavale, Pune, has undergone Industrial training in our organization from 20th December 2018 to 29th December 2018.

During the said period, he has displayed keen interest & gained knowledge in Production, Store, Quality, Process & Maintenance, department.

We wish him all success in his future endeavor.

For CREATIVE MANUFACTURING SOLUTIONS (INDIA) PVT. LTD.

SANJAY PEDKAR
Executive Director Operations

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

Registered Office:
Plot No. 23,
Taloja Industrial Estate,
Taloja, Panvel - 410 208,
Dist. Raigad,
Maharashtra, India.
Tel: +91 22 2741 0300
Fax: +91 22 2741 0301
E-mail: info@cmsipl.com

Works Office:
Survey No. 108/3 & 4/1, Dhamdhamwadi,
Wadeli Road, Taloja - 410 208,
Tal.: Panvel, Dist.: Raigad,
Maharashtra, India.
Tel.: +91 22 2741 0300
Fax: +91 22 2741 0301

CIN: U74210MH2010PTC206184

Creative Manufacturing Solutions (India) Pvt. Ltd.

CMSIPL/Indus Trg./2018-19/
Date- 29.12.2018

Industrial Training Certificate

This is to certify that Mr. Aniket Subhedar studying in Mechanical Engineering (T.E. Mechanical) at Bharti Vidyapeeth's College of Engineering, Lavale, Pune, has undergone Industrial training in our organization **from 20th December 2018 to 29th December 2018.**

During the said period, he has displayed keen interest & gained knowledge in Production, Store, Quality, Process & Maintenance, department.

We wish him all success in his future endeavor.

For CREATIVE MANUFACTURING SOLUTIONS (INDIA) PVT. LTD.

SANDIP REDKAR
Executive Director Operations

Registered Office:
Plot No. 23,
Tuem Industrial Estate,
Tuem, Pernem - 403 512,
Goa, India.
Tel.: +91 832 329 2644/45/46/47/48
Fax: +91 832 225 3904
E-mail: cms@cmsipl.com

Works Address:
Survey No. 109 & 110, Sonwas Nagar,
Village Kasal, Bardez - 403 507,
Tal.: Tiswadi, Dist.: North Goa,
Maharashtra, India.
Tele: +91 2368 2501 5800
Fax: +91 2368 2501 5810

CIN - U29248GA2008PTC005108

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

TubeFit ENGINEERS

Manufacturers of Tube/Instrumentation/Ferrule Fittings, Instrumentation Valves, Manifolds, Air Headers, Condensate Pots & Chemical Injection Quills

INTERNSHIP CERTIFICATE

TO WHOMEVER IT MAY CONCERN

Mr. Sumit Shankar Nimbalkar, pursuing BE Mechanical Engineering at Bharati Vidya Peeth College of Engineering, Lavale, Pune has completed an internship at TUBEFIT ENGENIEERS from December 20, 2018 to Jan 04, 2019.

Main Tasks Accomplished:

1. Production
2. Fittings
3. Valve Testing
4. Quality Control.

We found him sincere, hardworking, technically sound and result oriented. He worked well as part of a team during his tenure. We take this opportunity to thank him and wish him all the best for his future.

For Tubefit Engineers.

TUBEFIT ENGINEERS MUMBAI

Mrs. Sweedle Patil

Human Resource Manager

Unit No. 3 & 3, Swastik Industrial Estate II, Opp. Varun Industries, Village Waliv, Vasai (East), Dist. Palghar - 401 208
TEL. : (0250) 2453813 / 14 • E-MAIL : sales@tubefiteng.com • [illegible] www.tubefiteng.com

Bharati Vidyapeeth's

College of Engineering, Lavale,Pune

DEPARTMENT OF CIVIL ENGINEERING

TE Seminar 2021-2022

CLASS- TE CIVIL SEM-VI 2021-2022

Sr. No.	Roll No.	Batch	Name of Student	Seminar Topic
1	1	A	BALA ABHIJEET KAMAL	"CEMENT & SOIL STABILIZED MASONRY INTERLOCKING BRICKS"
3	3	A	ADITYA ANIL KARANDE	
9	9	A	BHOSALE ABHISHEK ATHMARAM	
16	17	A	KONDVILKAR SANKET DEVDAS	
2	2	A	PATURKAR ABHISHEK ANILRAO	RECENT CONSTRUCTION TECHNOLOGIES
13	13	A	DOMB OMKAR ANANDRAO	
32	33	B	KHINDRE SIDDHANT SHIVKUMAR	
70	71	C	PAWARA YOGESH GULAB	
4	4	A	VIDHATE AJINKYA RAJESH	PERMEABLE PAVEMENT SYSTEM
10	10	A	DIVEKAR ANIKET DADASO	
24	25	A	YAMGAR VISHAL BALASO	
52	53	C	SURYAWANSHI YASH VILAS	
5	5	A	AGRAWAL AKSHAT MUKESH	New Innovation and Techniques in Construction Industry
8	8	A	BADGE ASHISH SANJAY	
12	12	A	CHAVHAN MOHIT RAMHARI	
6	6	A	PATIL ANIRUDDHA SUNIL	GROUND IMPROVEMENT TECHNIQUES
14	14	A	PANDILWAR PRATHAM RAJU	
7	7	A	MISHRA ANKIT RAJNARAYAN	
11	11	A	BIJWE GARGI GANESH	Modification and Maintenance of Railway Tracks
43	44	B	MAGADE PALLAVI SAMADHAN	
72	73	C	KUDALE SHUBHAM RAGHU	
18	19	A	BHANUSE SHUBHAM SHATRUGHAN	
15	16	A	RESHU SINGH	WASTE AND RECYCLED MATERIAL IN CONCRETE TECHNOLOGY
17	18	A	SAUMYA BHARAT NAGRALE	
22	23	A	YASHASHREE JITENDRA PATIL	
59	60	C	PATIL PRANJAL RAYASING	
19	20	A	VIVEK VIKRAM JADHAV	GROUND IMPROVEMENT TECHNIQUES
23	24	A	MITTEWAD NARENDRAKUMAR VENKATRAO	
40	41	B	KADAM SWARAJ DHANANJAY	
74	75	C	PATIL ATUL PRAKASH	
20	21	A	ONKAR BHAUSAHEB PAWAR	SLUDGE MANAGEMENT
21	22	A	AVHAD ABHISHEK BALU	
28	29	B	CHAVAN SNEHAL SADASHIV	
57	58	C	GULLAPELLI SHUBHAM GANESH	
25	26	B	DHUMAL MAHESH ADINATH	Automated Highway Systems and Self Healing Pavement
30	31	B	PATIL SAHIL DILIP	
27	28	B	KHAVARE PRIYANKA BALASAHEB	
39	40	B	AMAN MOGRE	
26	27	B	SONAWANE LATIKA HIMMATRAO	Protection repair and Maintenance of RCC structure
33	34	B	SHINDE SAKSHI DEEPAK	
42	43	B	PANDIT SANJAY GAYATRI	
44	45	B	SHREYA GAJANAN CHAWARE	

Bharati Vidyapeeth's

College of Engineering, Lavale,Pune

DEPARTMENT OF CIVIL ENGINEERING

TE Seminar 2021-2022

CLASS- TE CIVIL SEM-VI 2021-2022

Sr. No.	Roll No.	Batch	Name of Student	Seminar Topic
29	30	B	TAYADE AKSHAY NITIN	
34	35	B	SURYAWANSHI PRATHAMESH VINOD	
35	36	B	GAIKWAD PRATHAMESH ANANDRAO	
56	57	C	SHREYASH VIVEK BONGIRWAR	DEMOLITION OF BUILDING
31	32	B	KHANDE VAISHNAVI SIDDHESHWAR	
45	46	B	GAIKWAD PRATISKHA SHRIRANG	
68	69	C	NEMADE SWEETI SANTOSH	
69	70	C	DUBOLE AISHWARYA MANIK	Biogas generation from food
36	37	B	GAWALI HARSHADA NITIN	
37	38	B	JADHAV VASUNDHARA GIRIRAO	
71	72	C	SHINDE PIYUSHA PRAKASH	
53	54	C	ANNADATE RUTIK SANTOSH	Multy floor crop building
38	39	B	RASHINKAR AMOL RADHESHAM	
61	62	C	KAD YASHRAJ ANAND	
64	65	C	AMBEKAR AMOL ARUN	
65	66	C	SHIRSATH DEVRAJ RAJENDRA	Study On Pune Ring Road
41	42	B	GHADLINGE SHUBHAM PRAKASHRAO	
60	61	C	JAGTAP SONAL ASHOK	
62	63	C	KOTHALKAR KETAKI SANJAY	
67	68	C	BHOKRE JYOTI KISHAN	PLANNING OF SMART CITY
46	47	B	GUND AAKASH AANNASAHEB	
47	48	B	BODAKE ISHWAR GANAPTI	
58	59	C	MALI PAWAN PRABHAKAR	VARIOUS TYPES OF CRACKS IN CONSTRUCTION
50	51	C	KHEME ANTESHWAR VISHVNATH	
48	49	B	GHOGARE ATHARVA SANJAY	
49	50	B	KASAR ADITYA RAJENDRA	
54	55	C	MENDKE KANKSHINI BHAGWANRAO	
55	56	C	SAHIL VANRAJ PERGUDWAR	Control of corrosion on underwater piles
51	52	C	CHAVAN ABHISHEK SHRIDHAR	
66	67	C	RAHUL EKNATH PATIL	
63	64	C	GIRASE SUSHIL RAVINDRA	
73	74	C	MARNE SHUBHAM SHASHIKANT	Non- Distractive Testing

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

A SEMINAR REPORT ON

SLUDGE MANAGEMENT

SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE
IN THE PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE ACADEMIC

OF

THIRD YEAR OF CIVIL ENGINEERING

SUBMITTED BY

Onkar Bhausaheb Pawar (21)
Abhishek Balu Avhad (22)
Priyanka Balasaheb Khavare (28)
Shubham Ganesh Gullapelli (58)

Under the Guidance of

Prof. Sangram C. Patil

DEPARTMENT OF CIVIL ENGINEERING

BHARTI VIDYAPEETH COLLEGE OF ENGINEERING

LAVALE, PUNE.

SAVITRIBAI PHULE PUNE UNIVERSITY

2021 - 2022

BHARTI VIDYAPEETH COLLEGE OF ENGINEERING

LAVALE, PUNE

SAVITRIBAI PHULE PUNE UNIVERSITY

CERTIFICATE

This is to certify that the project report entitles

"SLUDGE MANAGEMENT"

Submitted by

Onkar Bhausaheb Pawar (21)
Abhishek Balu Avhad (22)
Priyanka Balasaheb Khavare (28)
Shubham Ganesh Gullapelli (58)

is a bonafide student of this institute and the work has been carried out by them under the supervision of Prof. Sangram C. Patil and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the third-year degree of Civil Engineering.

Prof. Sangram C. Patil	**Prof. U. S. Patil**	**Dr. R. N. Patil**
Guide	HOD	Principal

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

Dr. R. N. Patil
I/C PRINCIPAL
BHARATI VIDYAPEETH
COLLEGE OF ENGINEERING, LAVALE
Tal-Mulshi, Dist. Pun

Place: Pune
Date:

A

Seminar Report

On

B

"Biogas generation from food"

		Exam seat No
1.	Aishwarya Manik Dubole	S19111020
2.	Vaishnavi Siddheshvar Khande.	S19111037
3.	Sweety Santosh Nemade.	S19111047
4.	Pratiksha Shriram Gaikwad.	S19111022

Under the guidance of

Prof. Sangram C. Patil

Submitted in fulfillment of the requirement for

B. E. – (Civil Engineering)

2021-2022

Savitribai Phule Pune University, Pune

Department of Civil Engineering

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING

LAVALE, PUNE, 412115.

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING

LAVALE, PUNE, 412115.

Savitribai Phule Pune University, Pune.



CERTIFICATE

This is certify that following student have satisfactorily carried out the Sixth semester TE seminar report entitled "Biogas generation from food. This work is being submitted for the award of pursuing degree of Bachelor of Civil Engineering. It is submitted in the partial fulfilled of the prescribed of SPPU, Pune for academic year of 2021-2022.

1. Student name (Exam seat no)

Aishwarya Manik Dubole. S19111020

Prof. Sangram C. Patil

(Project Guide)

Prof. U.S. Patil

(H.O.D.CIVIL)

Dr. R. N. Patil

(PRINCIPAL)

Dr. R. N. Patil
PRINCIPAL
BHARATI VIDYAPEETH
COLLEGE OF ENGINEERING, LAVALE
Tal-Mulshi, Dist. Pun

Prof.:.....

External Examiner

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

A

Seminar Report

On

"Seminar Topic

DEMOLITION OF BUILDING

By

1. Prathamesh V. Suryawanshi (S191110068)
2. Shreyash V. Bhongirwar (S191110066)
3. Akshay N. Tayade (S191110070)
4. Prathamesh A. Gaikwad (S191110021)

Under the guidance of

Prof. Sangram C. Patil

Submitted in fulfillment of the requirement for

B. E. – (Civil Engineering)

2021-2022

SavitribaiPhule Pune University, Pune

Department of Civil Engineering

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING

LAVALE, PUNE, 412115.

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING

LAVALE, PUNE, 412115.

SavitribaiPhule Pune University, Pune.



CERTIFICATE

This is certify that following student have satisfactorily carried out the Sixth semester TE seminarreport entitled "demolition of building**" This work is being submitted for the award of pursuing degree of Bachelor of Civil Engineering. It is submitted in the partial fulfilled of the prescribed of SPPU, Pune for academic year of 2021-2022.**

1. Prathamesh V. Suryawanshi (S191110068)
2. Shreyash V. Bhongirwar (S191110066)
3. Akshay N. Tayade (S191110070)
4. Prathamesh A. Gaikwad (S191110021)

Prof. SangramC.Patil

(Project Guide)

Prof. **U.S. Patil**

(H.O.D.CIVIL)

Dr.R. N. Patil

(PRINCIPAL)

Dr. R. N. Patil
I/C PRINCIPAL
BHARATI VIDYAPEETH
COLLEGE OF ENGINEERING, LAVALE
Tal-Mulshi, Dist. Pun

Prof.:.....

External Examiner

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

A Seminar Report

on

"Automated Highway Systems and Self Healing Pavement"

By

1. Mahesh Adinath Dhumal
2. Snehal Sadashiv Chavan
3. Sahil Dilip Patil
4. Aman Shriniwas Mogre

Under Guidance of

Prof. Sangram C. Patil

Submitted in fullfillment of the requirement for

Construction Management

T.E. Civil Engineering

Savitribai Phule Pune University, Pune

2021 - 2022

Department of Civil Engineering

Bharati Vidyapeeth's College of Engineering

Lavale, Pune, 412115

Bharati Vidyapeeth's College of Engineering

Lavale, Pune, 412115

Savitribai Phule Pune University, Pune.

CERTIFICATE

This is to certify that the following students have satisfactorily carried out project work for Construction Management entitled **"Automated Highway Systems and Self Healing Pavement".**

This work is being submitted for the award of Bachelor of Civil Engineering. It is submitted in fulfillment of the prescribed syllabus of Savitribai Phule Pune University, Pune for the Academic Year 2021-2022.

Students Name	Roll Number
Mahesh Adinath Dhumal	26
Snehal Sadashiv Chavan	29
Sahil Dilip Patil	31
Aman Shrinivas Mogre	40

Prof. Sangram C. Patil
(Guide)

Prof. Uday S. Patil
(H. O. D. Civil)

Dr. R. N. Patil
(Principle)

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

Dr. R. N. Patil
I/C PRINCIPAL
BHARATI VIDYAPEETH
COLLEGE OF ENGINEERING, LAVALE
Tal-Mulshi, Dist. Pune

Bharati Vidyapeeth's
College of Engineering, Lavale , Pune
Department of Computer Engineering

LIST OF STUDENTS FOR SEMINAR A.Y. 2021-2022

Sr.No	Roll No	Name of Student	Area of Seminar	Topic of Seminar
1	02	Aastha Dwivedi	Machine Learning	Regression Algorithm
2	03	Aditya Chandhoke	Electric vehicles	EVB (electric vehicle batteries)
3	04	Tejas Prashant Langote	•Quantum internet •Quantum networks for computation	Quantum Network
4	05	Pathan Adnan Khan Basit	Iot	Smart garbage monitoring and management system
5	07	Ketan Kailas Sonawane	Computer Security	Virtual Disprective Networking
6	08	Abhijeet Jain	Artificial Intelligence	Artificial Intelligence Applied in Fashion and Apparel Industry
7	09	Mayur Sandip Mahajan	Software Development, Machine Learning,	What is GitHub Copilot and is it going to make developers jobless?
8	10	Tushar Sunil Rokade	Artificial intelligence	Automobile industry transformation with Artificial intelligence
9	11	Rutuja Bhimrao Kurale	Cross-platform Mobile app development.	A comparison of flutter with other cross-platform mobile app development.
10	12	Nikhil kumar	Cyber security	Data piracy
11	13	Niyati Gopichand Wagh	Database Management	SQL Injection Attack Detection and Prevention Techniques.
12	14	Pharate sushma uttam	Blockchain technology	Cryptography in Blockchain technology
13	17	Archit Das	Crypto currency	Block chain and Crypto currency technology
14	18	Divya Raut	Data visualization	Data visualization tool- tableau
15	19	Shraddha Babasaheb Shirc	Blockchain Technology	Cryptography in blockchain technology
16	20	Siddhi Soni	Blockchain Technology	Blockchain Technology in Education.
17	23	Jayesh Dipak Patil	Virtual reality and augmented reality	Introduction to virtual reality and augmented reality technology to design education system
18	25	Damini Mukund Borude	Human Computer Interaction (HCI)	Human computer interaction based eye controlled mouse
19	26	Akanksha Negi	Virtual Reality and Augmented Reality	Introduction to Virtual Reality and Augmented Reality and its application

20	27	Abhishek khot	Human computer interaction system	2D and 3D hand gestures
21	28	Shrishti Sunil Nandanwar	Human-Computer Interaction	Introduction to Human-Computer Interaction
22	29	Hrishikesh Dattatray Kotha	Data Analysis	Analysis of sales data
23	31	Aryan Venugopal Nair	Cryptocurrency	Distributed Ledger Technology
24	32	Alan Mathew Panicker	Edge Computing	Edge Computing
25	37	Akhil Goplani	Sigma 6	Sigma 6
26	39	Arya Ashok Sonavane.	Software Testing	Software Testing
27	40	Kunal Vijay Patil	Cloud Computing	Introduction to Cloud Computing
28	42	Payal Parshive	Web Development	Recent Technologies in Web Development
29	43	Ruchita Rajesh Bharsakale	Web Devlopment	Progressive Web Application
30	54	Vrushali Satish Ubale	Networking	Wireless application protocol
31	56	Sanyogita Subhash Paimod	Web Design	Responsive Web Design
32	58	Korade pratiksha	Mobile computing	Mobile computing
33	61	Ruchika Dilip Khekare	Data Science	Data mining
34	65	Sohan Chaudhari	Big Data	Big data in Marketing
35	71	Kunal Sudam Nagare	Cyber security	Network segmentation
36	73	Abhay Pratap Singh	Artificial intelligence	AI in Telecommunication industry
37	74	Vishakha balu shinde	Iot	Importantance of iot in our day to day life
38	75	Krushna Zamwar	Machine learning	Malware detection
39	77	Hasan Khan	Cloud computing	Cloud computing
40	78	Khedkar Yuvraj Machhindr	Internet of Things	Smart Parking System Based IoT
41	79	Muskan Kumari	Cyber security	Managing security in mobile phones

Prof. P. D. Pawar
Seminar Coordinator

Dr. U. C. Patkar
HOD

Head
Dept. of Computer Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

Head
Dept. of Computer Engineering
Bharati Vidyapeeth's
College of Engineering

SAVITRIBAI PHULE PUNE UNIVERSITY

PUNE



A SEMINAR REPORT

ON

"DIGITAL SIGNETURE"

SUBMITTED BY

Name	Roll No.	PRN No.
Omkar Hallappa Pujari	**59**	**72011308D**

Under The Guidance of

Prof. Megha Patil

DEPARTMENT OF COMPUTER ENGINEERING BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING,LAVALE, PUNE

2021 - 2022

BHARATI VIDYAPEETH PUNE

CERTIFICATE

DEPARTMENT OF COMPUTER ENGINEERING

This is to certify that

Name	Roll No.	PRN No.
Omkar Hallappa Pujari	59	72011308D

Has satisfactorily completed Report on

"DIGITAL SIGNETURE"

As a part of curriculum of Honor's Course of Savitribai Phule Pune University, Pune for The Partial Fulfillment of ***Bachelor of Engineering in Computer Engineering****. In The Academic year 2021-2022*

20/5/22
Prof. Megha Patil
(Subject Teacher)

20/5/22
Dr. Uday Patkar
(Head Of Department)
Head
Dept. of Computer Engineering,
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

Dr. Rajendrakumar Patil
(Principal)

Head
Dept. of Computer Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

Dr. P. N. Patil
BHARATI VIDYAPEETH
COLLEGE OF ENGINEERING, LAVALE
Tal-Mulshi, Dist. Pune

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING LAVALE, PUNE – 412115

DEPARTMENT OF MECHANICAL ENGINEERING

DATE:- 12/04/2023

To:- All Mechanical Engineering students

All mechanical engineering students are hereby informed that guest lecture on "Guidelines for Higher Education Abroad" is scheduled on 07th April 2023. Guest speaker is Mr. Kausik Gandhi, it is mandatory of all students to attend the same.

Following are the details of the guest lecture:

1. Topic: - Guidelines for Higher Education Abroad.
2. Time:- 10.00 am.
3. Venue: - mechanical Department seminar hall.

HOD
Mech. Engg. Dept
BVCOEL, Pune

Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale, Pune

Bharati Vidyapeeth's

College of Engineering, Lavale, Pune-412115

Date 18/04/2023

Guest Lecture Report

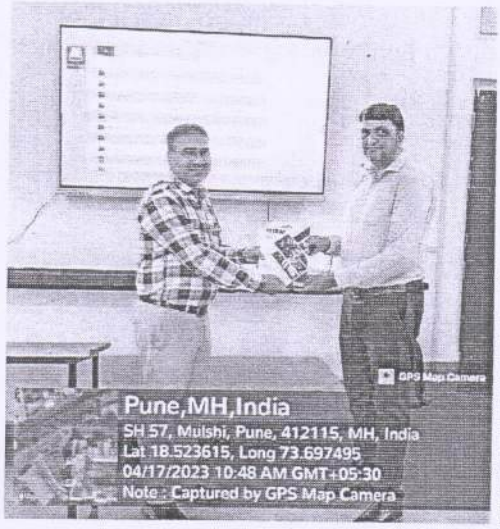
Topic- Guidelines for Higher Education Abroad

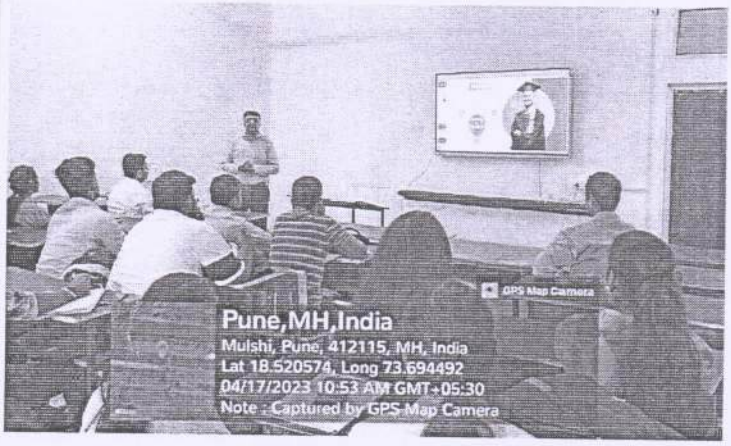
Name of Expert – Mr. Kaushik Gandhi
My Studio, Pune and Founder of Jignesh Academy

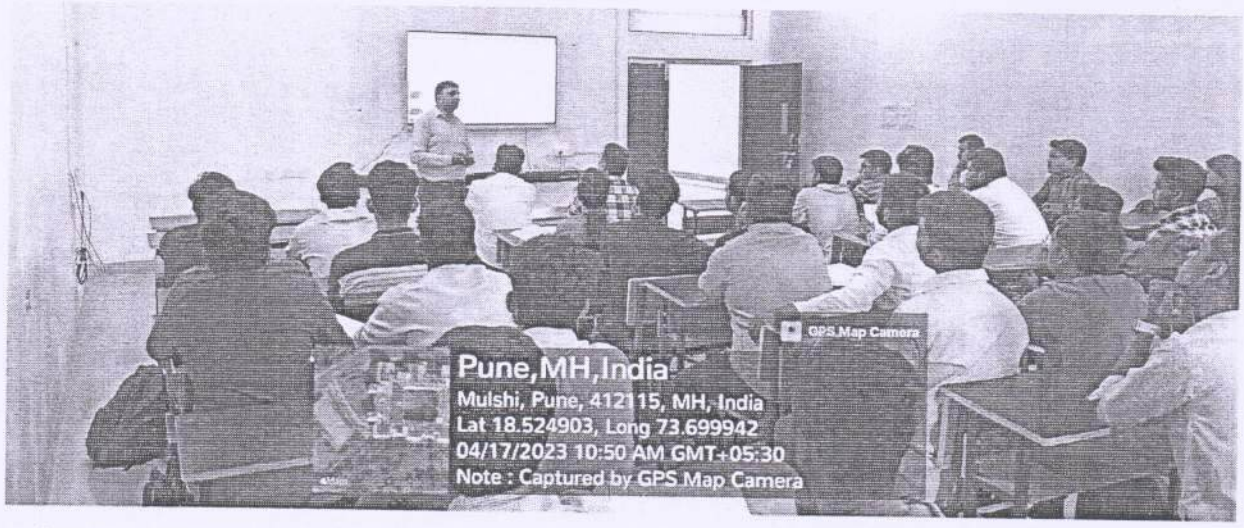
Coordinator - Prof. Shankar N. Kadam and Prof. Atish. B. Mane
Assistant Professor, Mechanical Engineering

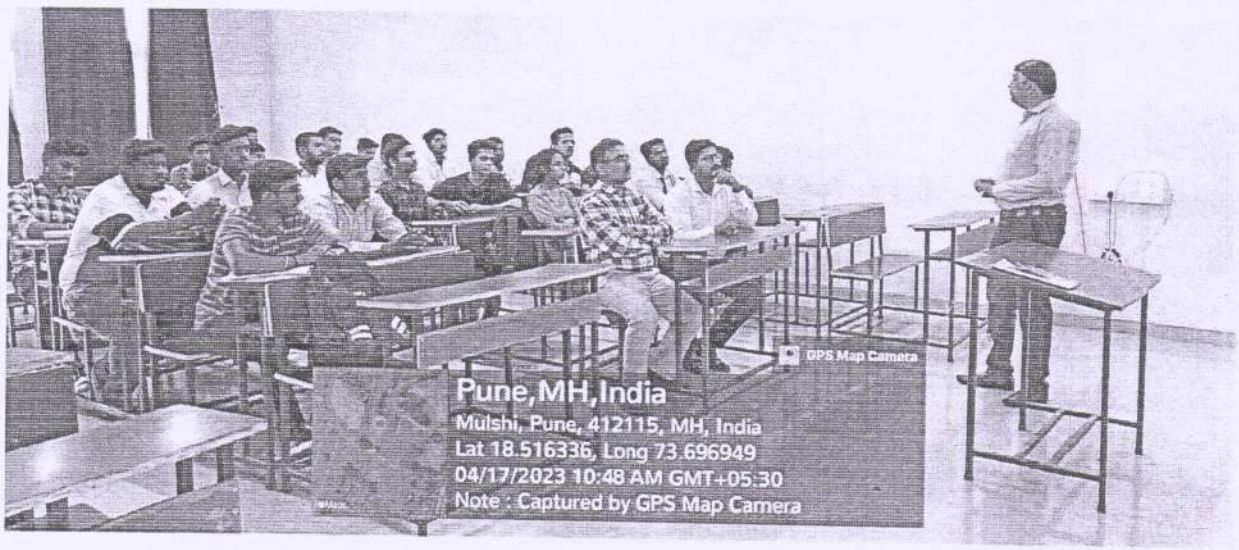
Department of Mechanical Engineering organized an Guest lecture for mechanical engineering students on "Guidelines for Higher Education Abroad" on 17 April 2023. The guest speaker was Mr. Kaushik Gandhi. In this guest lecture informed about Different scholarships available for M.S. Program and provide guidelines for step to step application procedure for various programs. Brief about the SOP and VISA related queries of students. At the starting of the session Mr. Shankar Kadam give introduction of guest and felicitation of the guests by Prof. S. R. Patil. Total 50 students participated in the session and at the end conclude the session with vote of thanks.

Photographs-









17/07/2022

Sr. No.	Name	Class	Mobile No.	Sign
1	Neha Sham Dhavan	BE Mech	7796220690	
2	Nikita Santosh Bhagat	TE Mech	7559383368	
3	Kalyani .N. Nerkar	TE Civil	9322657922	
4	Vaibhavi .M. Lalge	TE Civil	8485065777	
5	Apurva .K. Gore	11	9765511512	
6	Swarvani .S. Patil	11	9579862658	
7.	Jaikumar G. Jadhav	TE Mech	8177880012	
8.	Yatharth .S. Khobragade	TE Mech	9595931918	
9.	Mayur K. Warkhede	TE. Mech	7559115113	
10.	Shreyash S. Pawar	TE Mech	7248910615	
11.	Varun Pawar	TE. Civil	8007123034	
12.	Chetan Sapkale	T.E. Mech	9373266035	
13	Sandesh Sable	— " —	8669077880	
41	Namdev Devkate	— T.E. mech.	9766359666	
31	Mahesh Talekar	— " —	8484002377	
LG	Suraj Marne	T.E mech	7741957401	
13	Shubham Nitin Dixit	T.E Mech	7385900239	
9	Vishal Vishwkarma	T.E. Mech	7028108092	
15	Rutuj Patil	B.E Mech	8408006816	
16	Saurabh Gaikwad	BE Mech	8975575240	
17	Gouri G. Maslekar	TE Mech	8087336220	
18	Manvith Venugopal	TE Mech	9987116310	
19	Ashwin Naik	BE Mech	7447766588	
35	Somnath Kale	TE Mech	8169448282	
20	Rahul Gunjal	BE Mech	9359005998	
21	Aniket .A. Bhosale	BE Mech	7977833716	
22.	Vedant G. Dhaye	T.E. Civil	7218575804	
23.	Sachin M Nandure	T.E. mech	8698782584	
24.	Pratap Vitthal Kharad	T.E civil	9579344070	
25.	Rohan Vijay Pawar	T.E MECH	9373156648	



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Dr. Patangrao Kadam
University.
M.A., L.L.B., Ph.D.

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Affiliated to Savitribai Phule Pune

Date: 23/ 5 /2023

Notice

Department of Electronics & Telecommunication Engineering

This is to inform to all students of TE,BE that, guest lecture is organized on Engineering Applications of Signals and Systems by Prof. Snehal Marathe on 27/05/23 in virtual mode. Attendance is mandatory for the session.

Prof. A. B. Wani

H.O.D

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's College of Engineering, Lavale, Pune - 412 115.

Engineering Applications of Signals and Systems

Expert Lecture



Saturday, May 27th 2023, 4:30pm



Prof. Snehal Marathe

Department of Electronics and Telecommunication Engineering

Coordinator: Prof. Lalita Wani

H. O. D: Prof. A. B. Wani

Principal: Dr. R. N. Patil

Bharati Vidyapeeth's College of Engineering, Lavale, Pune-15


5:12 PM
Tap to return to meeting 43:21
In the meeting (18)
Mute all
Organiser
LW
Lalita Kiran Wani
Started recording
Participants
Aakash Shah SE E
Ganesh Mulage(G
HG
Harshal Bharat Gate(G...
Isha(Guest)
Kalyani Mungilwar(Gue...
Neha Jasud (Guest)
Pratiksha Garule(Guest)
PB
Priti Bhure (External)
RS
Rushikesh Shinde (Exte...
Sahil Pidathal(Guest)
sharda khatri(Guest)
Shinde Rutuja (Guest)
shivanjali (Guest)
SM
Snehal Marathe(Guest)
Subodh Krishna Sapke(...
SS
Suyash Dattatray Sasw...
Vivek Shinde (Guest)

BHARATI VIDYAPEETH's
COLLEGE OF ENGINEERING, LAVALE, PUNE-15
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Date:-27/05/2023

Report: on – **"Engineering Applications of Signals and Systems"**

Bharati Vidyapeeth's College of Engineering, Lavale always aims for a better career for each of the student. Considering the future requirements and career scope, department of Electronics and Telecommunication arranged a Webinar session on the topic **"Engineering Applications of Signals and Systems"** , which was delivered by **Prof. Snehal Marathe (Asst. Professor (E&TC Department), AIT,Dighi,** Pune. on 27th May 2023 at 4.30 PM.

Prof. Snehal Marathe gave valuable points on Applications of **Signals and Systems** which include Signals and their Usefulness, and applications such as Radio communications, Data storage spectral density estimation, statistical signal processing, control systems etc... She also take detailed information on topics including random signals, system modelling and system analysis. She explains how to enhance the career opportunities by doing the Final year project in DSP area.

The main objective of this session was to make aware the students about career opportunities and their bright future on core side.

The program led to be a successful one which was well organized by E&Tc department under the guidance of Principal of BVCOEL Dr. R.N.Patil and H.O.D. of E&TC Prof. A.B.Wani which was co-ordinated by Prof. L.K. Wani.

Number of participants (student & Faculty): 25 students and 1 faculty members.

Some of the screenshot and the link of the webinar is given below.

Also attendance is attached

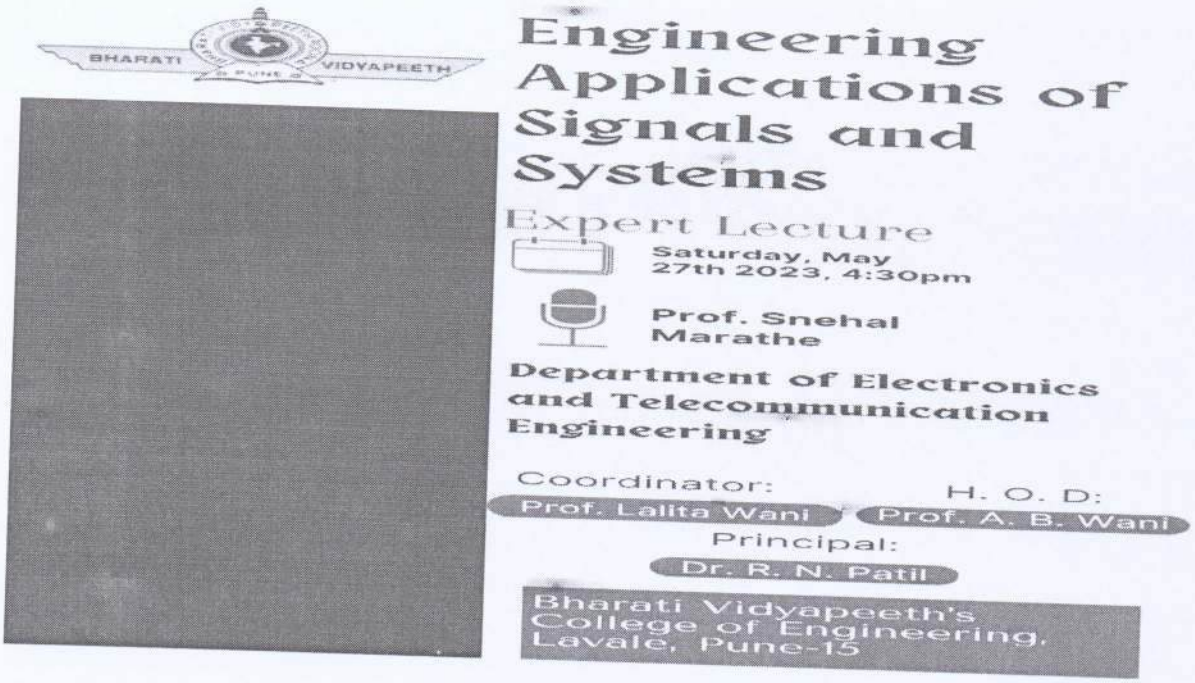
Prof.L.K.Wani

Webinar Co-ordinator

H.O.D. (E&TC)

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

Flair and the notice

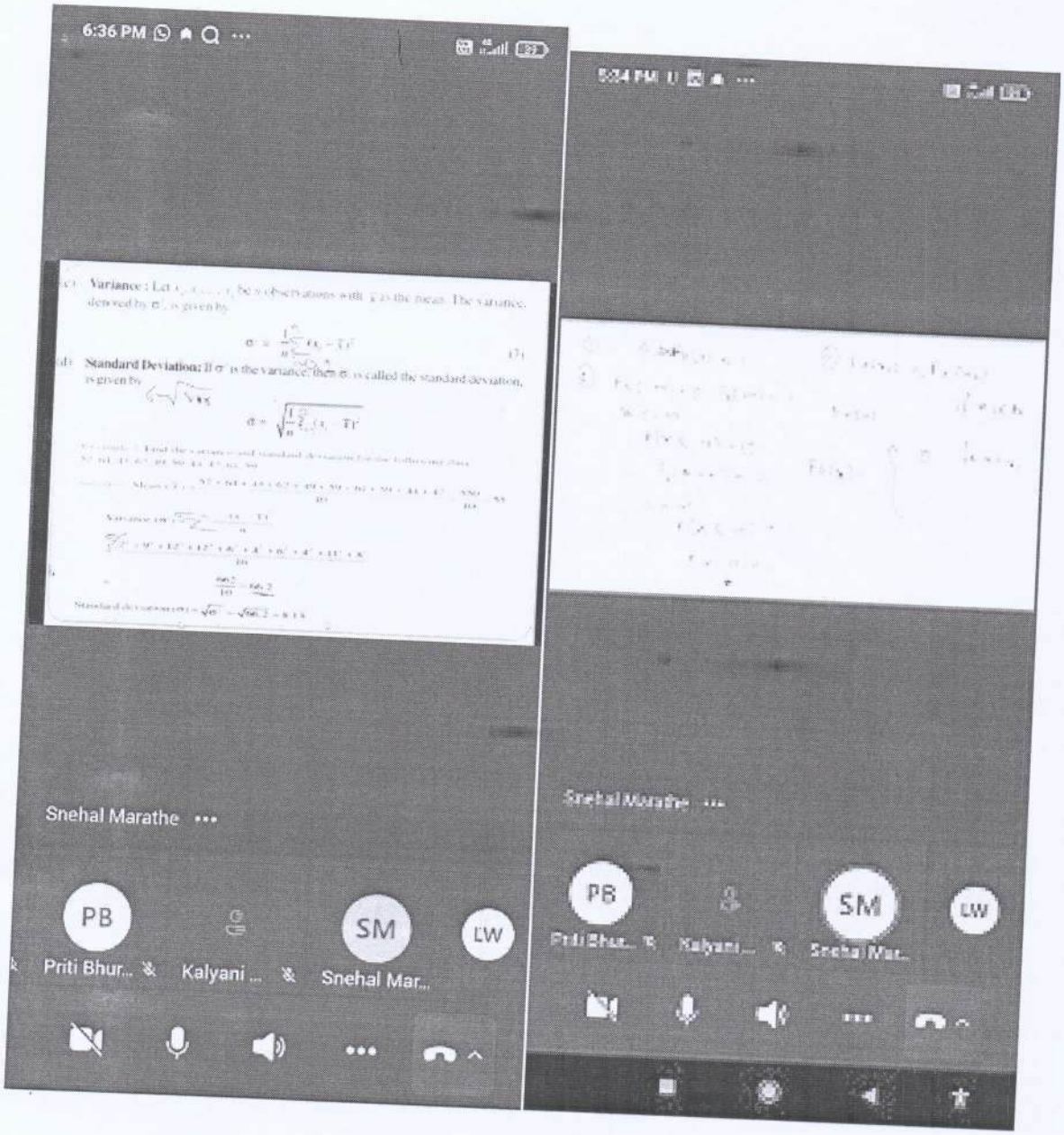


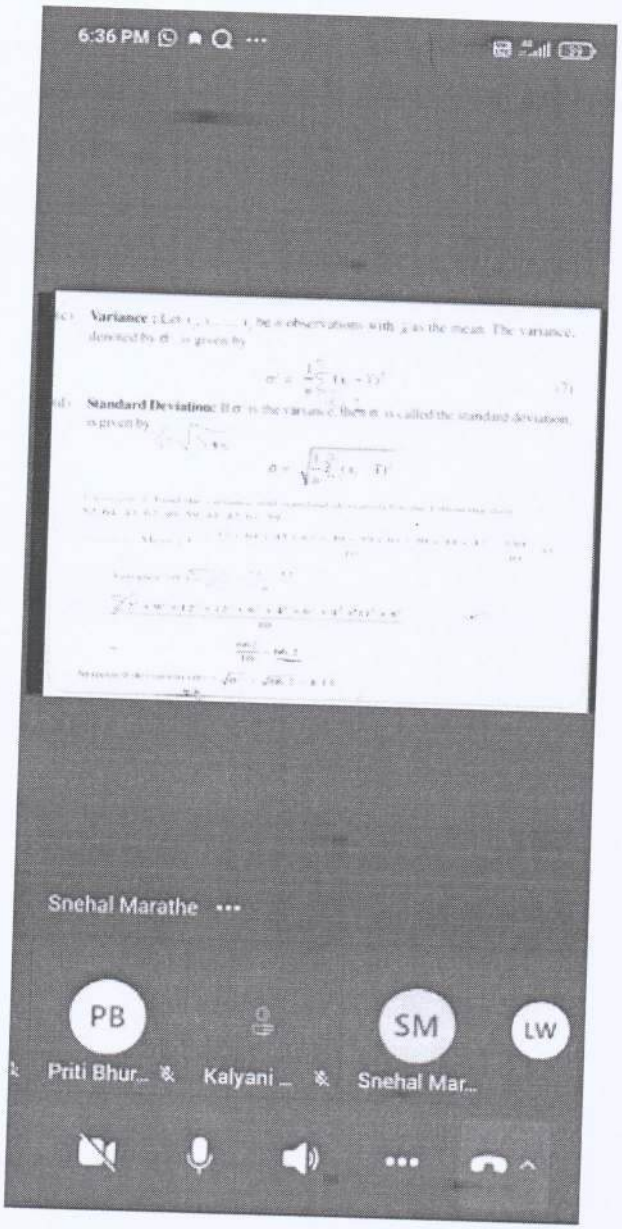
Greetings from Bharati Vidyapeeth's College of Engineering, Lavale, Pune.

We are glad to announce that we are organising a webinar.
Topic: ***Engineering Applications of Signals and Systems.***
Name of the speaker: ***Prof. Snehal Marathe***
Date: 27-05-2023
Time: 4:30***pm***
Regards,
H. O. D, Prof. A. B. Wani.
Department of Telecommunication Engineering.
Dr. R. N Patil,
Principal, BVCOEL. You're invited to a Teams meeting!

Expert Lecture:
Topic: ***Engineering Applications of Signals and Systems.***

https://teams.microsoft.com/l/meetup-join/19%3ameeting_NDMwMGIyZGItMGZhMC00MDE3LWJmYTktNWMxYWJhZTQ0NWM0%40thread.v2/0?context=%7b%22Tid%22%3a%22bbc2175e-52d1-4ed6-bc3a-3ac479f5839d%22%2c%22Oid%22%3a%22535fce8b-060f-44b1-a92c-7a8564b158fd%22%7d


6:36 PM
Snehal Marathe
PB
Priti Bhur...
Kalyani ...
SM
Snehal Mar...
LW
Snehal Marathe
PB
SM
LW


6:36 PM
Variance :
Standard Deviation:
Snehal Marathe
PB
Priti Bhur...
Kalyani ...
SM
Snehal Mar...
LW

BHARATI VIDYAPEETH's
COLLEGE OF ENGINEERING, LAVALE, PUNE-15
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Date:-8/06/2023

Prof. Snehal Marathe

(Asst. Professor (E&TC Department),

AIT,Dighi,

Subject: Letter of Appreciation

Dear Madam,

Thank you very much for delivering an informative and thought provoking lecture as Guest speaker on ""**Engineering Applications of Signals and Systems"**
held on 27th May 2023 at 4.30 PM.at BVCOE,Lavale,Pune.

It was really splendid presentation which exposed students' field practices.

All the student appreciated and got benefited from your Knowledge on the subject.

Looking forward your cooperation for the promotion of professional education in the future as well.

Yours Sincerely

Mrs.Lalita Kiran Wani
Assistant Professor
Bharati Vidyapeeth's College of Engineering,Lavale,Pune

BHARATI VIDYAPEETH's
COLLEGE OF ENGINEERING, LAVALE, PUNE-15
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Date: 10/10/2022

Notice

Dear All,

Greetings of the Day!!! COVID-19 has triggered a global financial crisis and is forcing developing countries to develop rescue packages. We as an individual are trying to cope up with the financial crisis by financial management. To guide in this regard

ENTC, Bharati Vidyapeeth's College of Engineering Lavale Pune is ecstatic to organize a webinar on

"Carrier opportunities in Embedded Systems Engineering "

Speaker is Mr. Somnath Rudrakshala, Sr.Software Engineer, Capgemini, Netherland.
The session will be conducted on 12th October 2022 at 2:30 p.m
Everyone should join with the given session link.

You're invited to a Teams meeting! Guest Lecture By Mr. Somanath Rudrakshala https://teams.microsoft.com/l/meetup-join/19%3ad6263539f9de47d3a4f24e06bd5ea443%40thread.tacv2/1665548190337?context=%7b%22Tid%22%3a%22bbc2175e-52d1-4ed6-bc3a-3ac479f5839d%22%2c%22Oid%22%3a%22535fce8b-060f-44b1-a92c-7a8564b158fd%22%7d Tap on the link or paste it in a browser to join.

Get Outlook for HYPERLINK "https://aka.ms/AAb9ysg"Androidnot difficult.

Prof. L.K.Wani

Webinar Coordinator

Prof. A. B. Wani

H.O.D.

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

BHARATI VIDYAPEETH's
COLLEGE OF ENGINEERING, LAVALE, PUNE-15
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Date: 12/10/2022

Report: on – **"Carrier opportunities in Embedded Systems Engineering"**

Bharati Vidyapeeth's College of Engineering, Lavale always aims for a better career for each of the student. Considering the future requirements and career scope, Department of Electronics and Telecommunication arranged a Webinar session on the topic **"Carrier opportunities in Embedded Systems Engineering"**, which was delivered by Mr. Somnath Rudrakshala, Sr.Software Engineer, Capgemini, Netherland .on 12th October 2022 at 2.30 PM

Mr. Somnath Rudrakshala gave valuable points on **Embedded Systems Engineering** which is **a** combination of computer hardware and software designed for a specific function. With a brief introduction and application of embedded systems, the webinar got underway. The speaker went over the several possibilities in embedded systems. The speaker discusses the value of hardware expertise in embedded systems. He had discussed some of the prevalent instances of embedded operating systems that we see every day, including Linux, Windows Mobile/CE, Symbian, and portable Personal Data Assistants (PDAs). The main objective of this session was to make aware the students about career opportunities and their bright future on core side/Embedded Systems.

The program led to be a successful one which was .well organized by E&Tc department under the guidance of Principal of BVCOEL Dr. R.N.Patil and H.O.D. of E&TC Prof. A.B.Wani which was co-ordinated by Prof. L.K. Wani.

Number of participants (student & Faculty): 34 students and 5 faculty members.

Prof.L.K.Wani

Webinar Co-ordinator

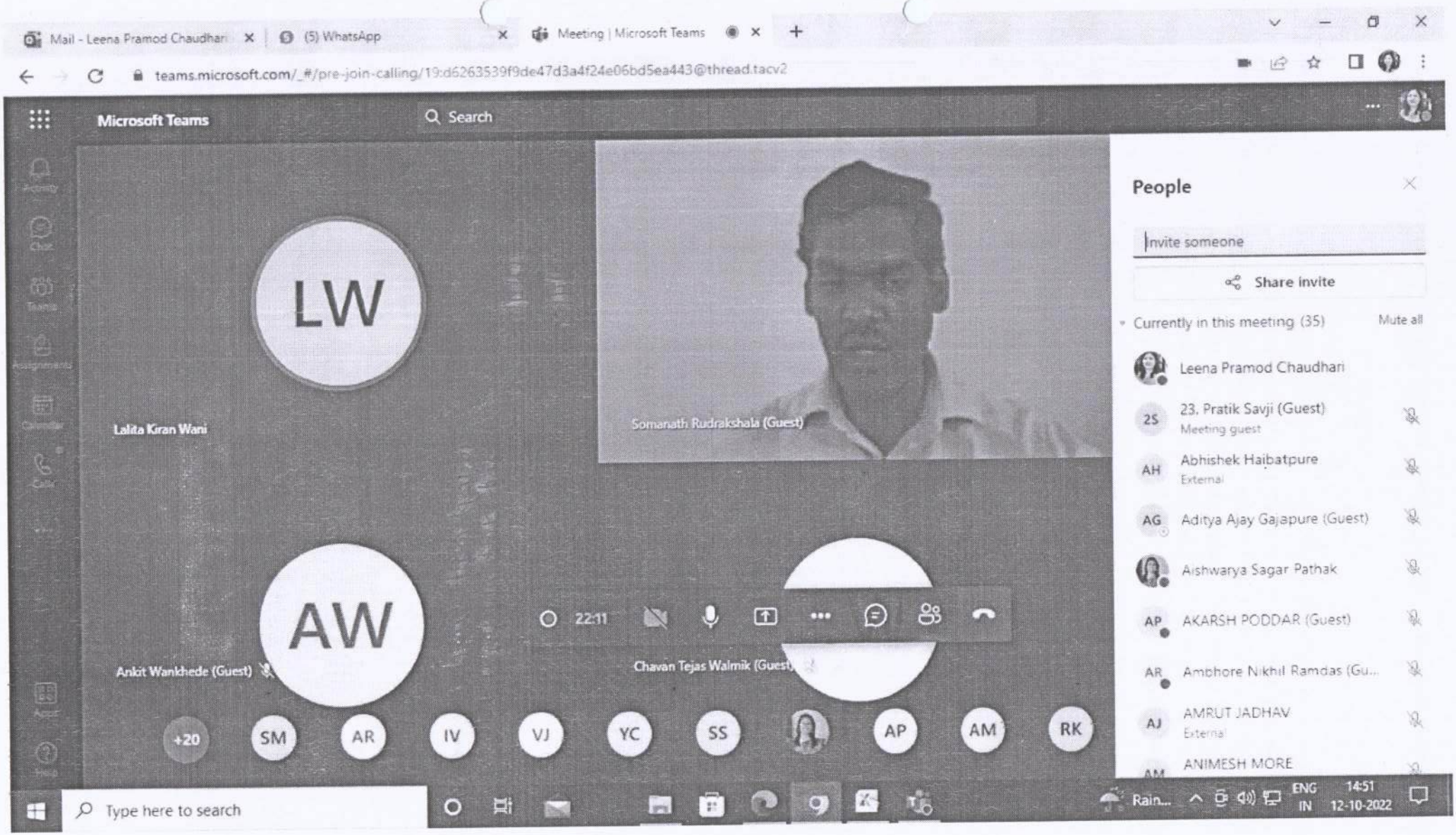
Prof. A. B. Wani

H.O.D. (E&TC)

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

Full Name	User Actior	Timestamp
Lalita Kiran	Joined	10/12/22, 14:29:48
Chavan Tej	Joined	10/12/22, 14:30:03
Ankit Wanl	Joined	10/12/22, 14:30:30
Tushar Wa	Joined	10/12/22, 14:31:00
Somanath I	Joined	10/12/22, 14:31:30
RAJDEEP K	Joined	10/12/22, 14:32:02
Swati Amr	Joined	10/12/22, 14:32:53
Leena Pran	Joined	10/12/22, 14:32:57
Guest	Joined	10/12/22, 14:33:25
Guest	Left	10/12/22, 14:33:53
Wani Atul	Joined	10/12/22, 14:34:31
Piyusha Kal	Joined	10/12/22, 14:34:49
Piyusha Kal	Left	10/12/22, 14:38:11
Shubh Shar	Joined	10/12/22, 14:34:52
Shubh Shar	Left	10/12/22, 14:36:44
Shubh Shar	Joined	10/12/22, 14:36:53
ANIMESH M	Joined	10/12/22, 14:34:55
AKARSH PC	Joined	10/12/22, 14:34:58
Abhishek H	Joined	10/12/22, 14:35:35
Vyankat M	Joined	10/12/22, 14:35:36
Aishwarya	Joined	10/12/22, 14:35:50
shubhangi	Joined	10/12/22, 14:36:41
Yash Choul	Joined	10/12/22, 14:37:13
Vinayak Jag	Joined	10/12/22, 14:37:33
Isha Vaidya	Joined	10/12/22, 14:38:09

Head
Dept. of Electronics & Telecommunication Engineering
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Mail - Leena Pramod Chaudhari
(5) WhatsApp
Meeting | Microsoft Teams
teams.microsoft.com/_#/pre-join-calling/19:d6263539f9de47d3a4f24e06bd5ea443@thread.tacv2
Microsoft Teams
Search
LW
Lalita Kiran Wani
Somanath Rudrakshala (Guest)
AW
Ankit Wankhede (Guest)
Chavan Tejas Walmik (Guest)
22:11
+20
SM
AR
IV
VJ
YC
SS
AP
AM
RK
People
Invite someone
Share invite
Currently in this meeting (35)
Mute all
Leena Pramod Chaudhari
2S
23. Pratik Savji (Guest)
Meeting guest
AH
Abhishek Haibatpure
External
AG
Aditya Ajay Gajapure (Guest)
Aishwarya Sagar Pathak
AP
AKARSH PODDAR (Guest)
AR
Amphore Nikhil Ramdas (Gu...
AJ
AMRUT JADHAV
External
ANIMESH MORE
Type here to search
Rain...
ENG
IN
14:51
12-10-2022

Founder:
Mumbai.
Dr. Patangrao Kadam
University.
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Date: 19/02/2022

Notice

Department of Electronics & Telecommunication Engineering

This is to inform to all students of TE,BE that, guest lecture is organized on Problems solving and Ideation by Mr.Rishab Tatia on 21/02/22 in virtual mode at 2.30pm. Attendance is mandatory for the session.

Mumbai.

Prof. A. B. Wani

H.O.D

Department of Electronics & Telecommunication Engineering

Head
Department of Electronics & Telecommunication
Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

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DEPARTMENT: ELECTRONICS AND TELECOMMUNICATION

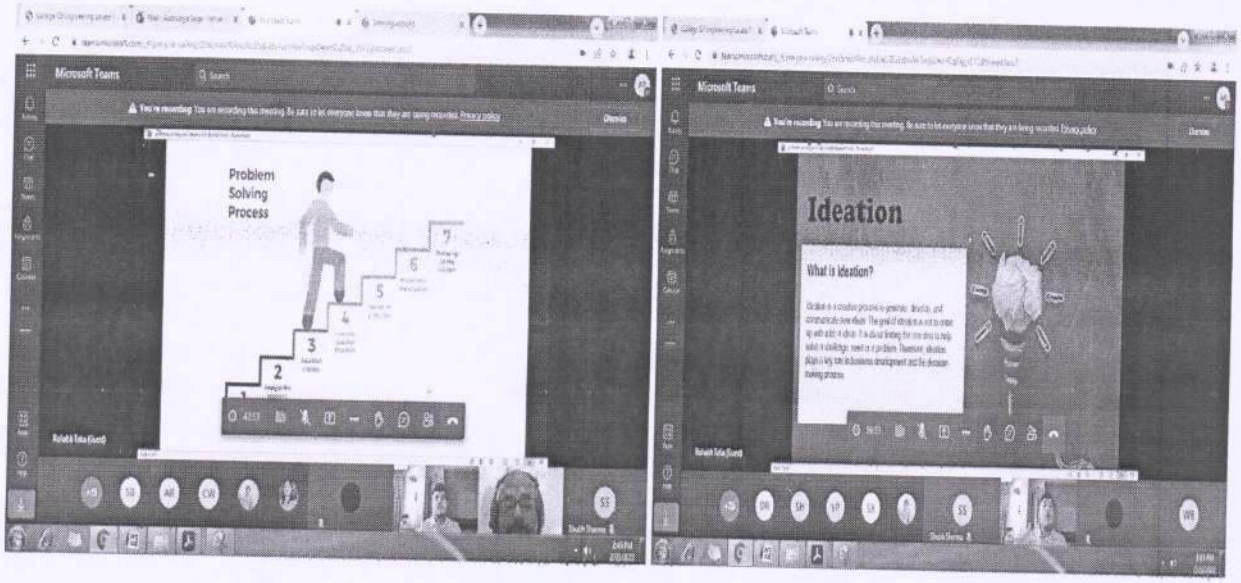
Report: Session on Problem solving and Ideation **Date:-21/02/2022**

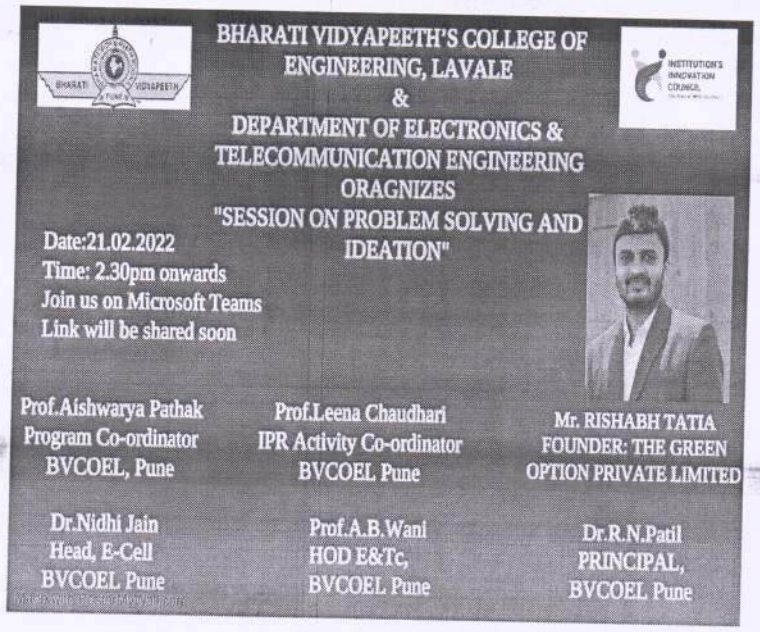
Facebook link:
https://www.facebook.com/1750570855033163/posts/4942585382498345/?sfnsn=wiwspmo

At Bharati Vidyapeeth it is believed that excellence is a continuous process and in pursuit of which the institute has made huge contribution towards world renowned technocrats, successful entrepreneurs and researchers. Also the institute constantly focuses on helping the students to gain excellent theoretical knowledge and develop skills that help them to think outside the box and acquire various solutions for problem solving. Taking into consideration the upcoming requirements, a session was organized on the topic **"Problem solving and ideation"** on **21st Feb 2022 at 2:30 p.m.** The session was conducted by **Mr.Rishab Tatia who is the founder of "The Green option Pvt Ltd".**

Mr.Rishab began with the importance of problem solving skills, what is the process and why is it important to have various skills that help in solving problems arising in various verticals. He also explained what differentiated the successful people from those who failed to achieve their goals by giving examples of multiple industries as well as industrialist. He also focused on the steps that are required when we are formulating a solution so as to avoid further problems. Also he explained what is the use of focusing on newer concepts, ideas and how to build them further. At last he interacted with students by discussing some areas which are growing now and which have changed the existing scenario of the market.

The session was very interactive and students enjoyed it well. It was well organized by the team members of department of Electronics and telecommunication Prof.A.S.Pathak, Prof.L.B.Chaudhari under the guidance of Prof.A.B.Wani, HOD E&Tc, Dr.Nidhi Jain, E-cell head and Dr.R.N.Patil, Principal, BVCOEL, Pune.





Attendance:

Meeting Summary	
Total Number of Participants	58
Meeting Title	General
Meeting Start Time	2/21/2022, 2:06:06 PM
Meeting End Time	2/21/2022, 3:42:48 PM

Meeting Id	cbcf96ae-bafe-4def-90d0-8fb4561a543a
Full Name	Join Time
Aishwarya Sagar Pathak	2/21/2022, 2:06:06 PM
Aishwarya Sagar Pathak	2/21/2022, 3:42:26 PM
ENTCfaculty bvcoel	2/21/2022, 2:08:36 PM
ENTCfaculty bvcoel	2/21/2022, 2:43:55 PM
Rishabh Tatia (Guest)	2/21/2022, 2:08:37 PM
Shubh Sharma	2/21/2022, 2:26:45 PM
swati.shegane	2/21/2022, 2:30:55 PM
Neha Shahare	2/21/2022, 2:31:29 PM
Wani Atul Babanrao	2/21/2022, 2:32:01 PM
Wani Atul Babanrao	2/21/2022, 2:39:33 PM
Tushar Waghmare	2/21/2022, 2:32:43 PM
Leena Pramod Chaudhari	2/21/2022, 2:33:17 PM
Leena Pramod Chaudhari	2/21/2022, 2:56:25 PM
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Prof Ajay Anandrao Katkar	2/21/2022, 2:49:54 PM
Piyusha Kalaskar	2/21/2022, 2:50:04 PM
ANIMESH MORE	2/21/2022, 2:51:20 PM
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Raj Nikam	2/21/2022, 2:52:37 PM
Raj Nikam	2/21/2022, 3:01:08 PM
Vaibhavi Patil	2/21/2022, 2:54:53 PM
Masal Yogesh Madhukar	2/21/2022, 2:56:40 PM
Rachchawar Shreyash Sanjayrao	2/21/2022, 2:58:11 PM
AMRUT JADHAV	2/21/2022, 2:58:34 PM
Hrutwik Jiddewar	2/21/2022, 3:01:18 PM
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prajakta Gaikwad	2/21/2022, 3:02:48 PM
Siddhi Pravin Jadhav	2/21/2022, 3:11:32 PM
shantilalji	2/21/2022, 3:19:14 PM
Chaudhari Namrata Anil	2/21/2022, 3:28:20 PM
Mayuri Khedkar	2/21/2022, 3:34:08 PM
Isha Vaidya	2/21/2022, 3:37:49 PM

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Founder:
Mumbai.
Dr. Patangrao Kadam
University.
M.A., L.L.B., Ph.D.

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Date: 18/02/2022

Notice

Department of Electronics & Telecommunication Engineering

This is to inform to all students of TE,BE that, guest lecture is organized on Entrepreneurship skills, attitude and behavior by Mr. Ashvani Shukla on 22/02/22 in virtual mode at 2.30pm. Attendance is mandatory for the session.

Prof. A. B. Wani

H.O.D

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

BHARATI VIDYAPEETH's

COLLEGE OF ENGINEERING, LAVALE, PUNE-15

DEPARTMENT: ELECTRONICS AND TELECOMMUNICATION

Report: Entrepreneurship skills, attitude and behaviour **Date:-22/02/2022**

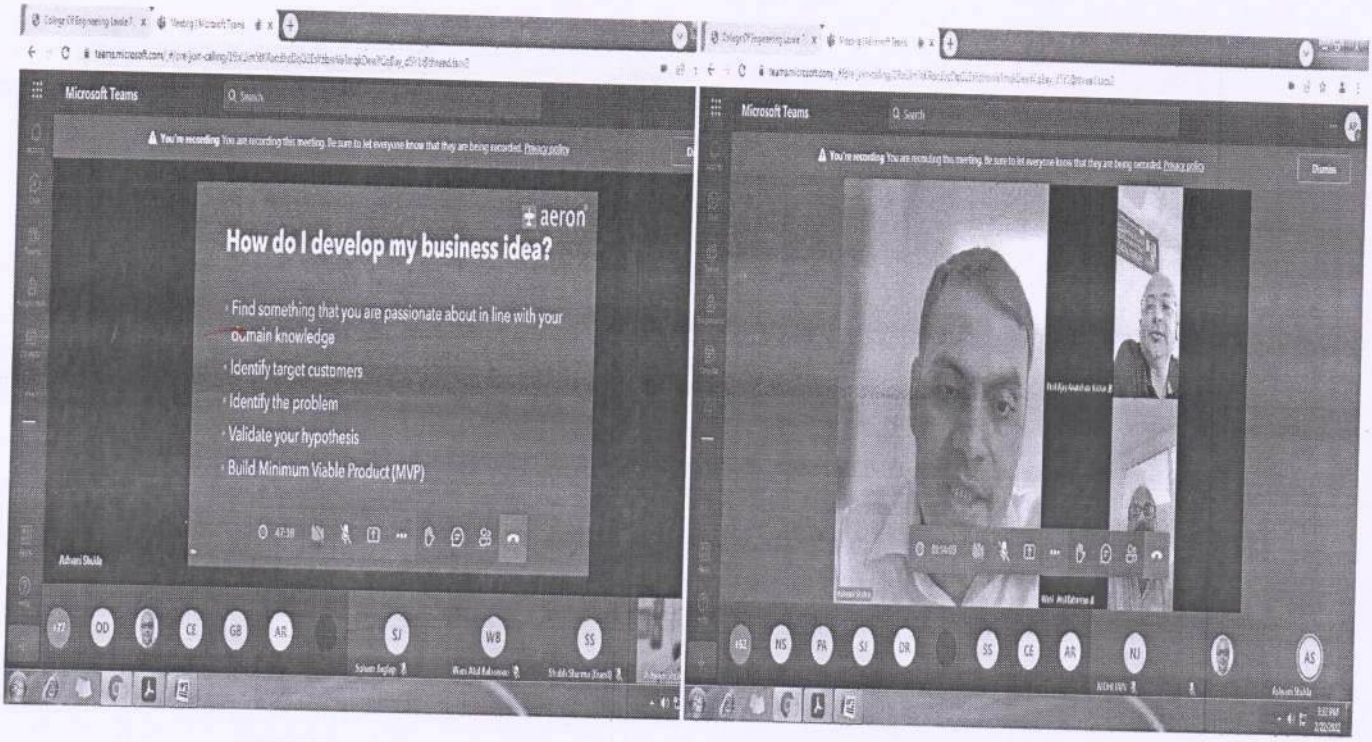
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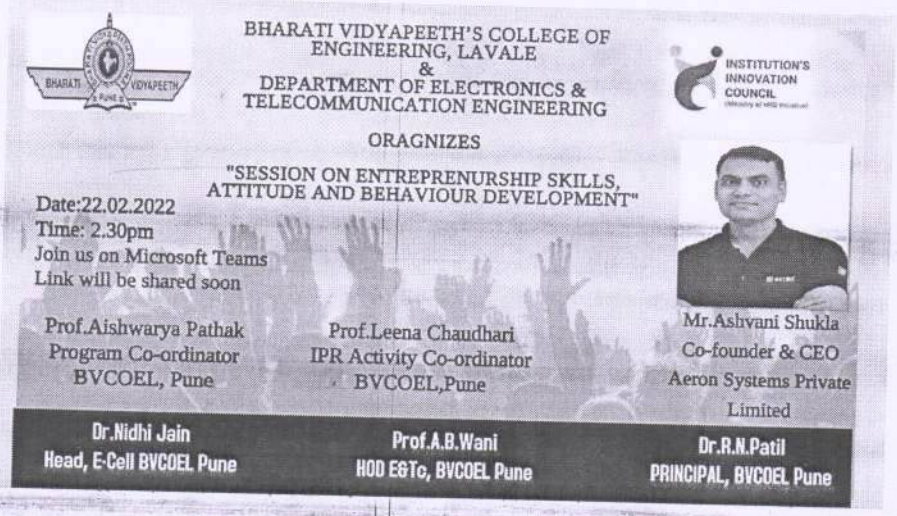
Entrepreneurship is often defined as the opportunistic pursuit of economic wealth by limited resources. Governments all over the world undertake many programs to boost entrepreneurial spirits amongst students – potential entrepreneurs. The benefits gained are significant such as: job creation, innovation and ultimately contribution to national economic wealth. At Bharati Vidyapeeth it is believed that the role and effect of education, including training, on entrepreneurial activities has been a major topic of discussion. Considering the future requirements and career scope, a session on **"Entrepreneurship skills, attitude and behaviour" was organized on 22.02.2022 at 2.30pm.**

Mr. Ashvani Shukla the Co-founder and CEO of Aeron Systems Pvt Ltd was the chief guest for the day. Sir explained what entrepreneurship means and what skills a person should have to become an entrepreneur. Also he elaborated how to develop an idea into a business and what things should be looked after when you become an entrepreneur or start your own business. Also he focused on how to target the customers and market, how to achieve targets, how to focus on problems and how solutions can come out of it. Risk and financial management were some points on which he briefed what is do be done when these cases occur.

Attitude and approach of looking towards a problem and providing probable solutions to it was another important topic of discussion. Why is an positive attitude necessary in growing up a business and how is it developed were some points which is stressed on. At last he explained what the budding engineers should do in order to acquire knowledge and utilise their time and ideas in developing it.

Overall the session was very interactive and students enjoyed it well. It was well organized by the team members of department of Electronics and telecommunication Prof.A.S.Pathak, Prof.L.B.Chaudhari under the guidance of Prof.A.B.Wani, HOD E&Tc, Dr.Nidhi Jain , E-cell head and Dr.R.N.Patil, Principal, BVCOEL,Pune.





Attendance:

Meeting Summary	
Total Number of Participants	118
Meeting Title	General
Meeting Start Time	2/22/2022, 2:19:20 PM
Meeting End Time	2/22/2022, 3:42:30 PM
Meeting Id	c5df79b7-1196-4441-ad2b-3e899731cc3f
Full Name	Join Time
Aishwarya Sagar Pathak	2/22/2022, 2:19:20 PM

Ashvani Shukla	2/22/2022, 2:19:26 PM
ENTCfaculty bvcoel	2/22/2022, 2:20:15 PM
Shubh Sharma	2/22/2022, 2:20:40 PM
Harsh Pande	2/22/2022, 2:24:26 PM
Mane Prathamesh Sayaji	2/22/2022, 2:24:28 PM
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Head
Dept. of Electronics & Telecommunication
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Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

Founder:
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M.A., L.L.B., Ph.D.

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DEPARTMENT OF CIVIL ENGINEERING

Ref. No.BV/COEL/Civil / 03 /22-23

Date: 27 / 09 /2022-23

NOTICE

All the students of SE, TE and BE are hereby informed that, on occasion of Engineers day Department of Civil Engineering is organizing a series of Expert lecture on **'Industrial Warehousing' on** 28th September 2022, at 10.00 AM. This Expert Lecture will be delivered by Er. Subhesh D. Pathak (Consulting Chartered Civil Engineer and having 50+ years of experience) and Renowned General studies Expert for MPSC, MR Sanket Ghorband at 1pm onwards, in association with ACE Engineering Academy, Pune. Attendance is Compulsory for all the students to gain very valuable insights and inputs in the field of Industrial Warehousing and MPSC.

Mr. Ajinkya S. Hasabe
Co-Ordinator

Prof. Dr. Uday S. Patil
HOD

H.O.D
Civil Engineering
Bharati Vidyapeeth's
...e of Engineering Lavale, Pune

Bharati Vidyapeeth's College of Engineering,
Lavale, Pune- 412 115, Maharashtra State.
Phone: (020) 20291357 Website: bvcoe.bharatividyapeeth.edu

Ref- No-BVCOE/CIVIL/ 01 / 2022-23

Date:28/09/2022

Department of Civil Engineering

To,

Er. Subhash Pathak

Consulting Chartered Engineer,

Subject: - Thanking letter for giving an Expert Lecture in our Institute.

Dear Sir/Madam,

We, at Bharati Vidyapeeth's College of Engineering, Lavale, Department of Civil Engineering are grateful to you for giving an Expert Lecture in our Institute. The information you provided during the session was so important for students and for us also to bridge the gap between industry and academics. Looking forward for the future positive relation building, we are always ready for anything you need from academics.

Thanking you.

28/09/2022.

HOD
Civil Engineering Department
BVCOE, Lavale

H.O.D
Civil Engineering
Bharati Vidyapeeth's
college of Engineering Lavale,Pune

कीर्द पा. नं.

पावती नंबर

भारती विद्यापीठ

कॉलेज ऑफ इंजिनिअरिंग, लवळे

ता. मुळशी, जि. पुणे

खर्चाची पावती

मा. प्राचार्य, कॉलेज ऑफ इंजिनिअरिंग, लवळे यांना,

पावती लिहून देणार सौ./श्री. Subhash Pathak पत्ता

खाते Expert lecture. दिनांक 28/09/2022

तपशील	रुपये	पैसे
Shri Subhash Patil. Remuneration for the Expert Lecture on Industrial Warehousing in the Department of Civil Engineering. - 28/10/2022.	2000	00
एकूण अक्षरी रुपये Two Thousand Rs only. फक्त	2000	00

वरील तपशीलाप्रमाणे रक्कम रोख / चेकने मिळाली, आभारी आहोत. चेक नंबर बँक

प्राचार्य

अकौंटंट

सही .....

Warehousing ?

16/09/2022

To,

The Principal

Bharati vidyapeeth's college of Engineering, Lavale, Pune

Subject:- To Arrange Expert lecture on. ER. Subhash Pathak.

Respected sir,

In the Department of civil Engineering we would like to Arrange Expert lecture on 'Industrial Ware housing' in the Department of civil Engineering for the celebration of Teachers Day on. 28/09/2022. ER. Subhash pathak has agreed to come on the same day.

for the Guest Honorarium be be given Rs 2000 and Rs - 250 for the Arrangement of Snacks and tea. Please sanction Rs - 2250 for the Program.

Please do the needful.

Thanking you

Uday patil.

Time - 10-12 Am.

Date:- 28/09/2022.

Permitted
RNPatil
15-9-22

Organize by ,

Date:
Wednesday
28th Sept 2022

Time:
10 am - 12 pm
Venue - Room No. 115

Prof. A. S. Hasabe
Program
Coordinator

Prof. Dr. U.S.Patil
Hod
Civil Department

Dr. R. N. Patil
Principal
Bharati
Vidyapeeth's
College Of
Engineering,
Lavale, Pune

BHARATI VIDYAPEETH

BHARATI VIDYAPEETH'S

COLLEGE OF ENGINEERING, LAVALE, PUNE.
412115

DEPARTMENT OF CIVIL ENGINEERING

Expert Lecture, By

ER. SUBHESH PATHAK

CONSULTING CHARTERED CIVIL ENGINEER
50+ YEAR'S EXPERIENCE



LEARN ABOUT THE BOOMING WAREHOUSING SECTOR AND OPPORTUNITIES IN IT FROM INDUSTRY EXPERT THIS ENGINEERS DA

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

Founder:
Dr. Patangrao Kadam
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DEPARTMENT OF CIVIL ENGINEERING

Expert Lecture Report

Name of Event	**Expert Lecture On "Learn About The Booming Warehousing Sector And Opportunities In It From Industry Expert"**
DATE	28th September 2022, at 10.00 AM.
Co-ordinator	Prof. A. S. Hasabe
Present Student and Faculty	58

Bharati Vidyapeeth's College of Engineering, Department of Civil Engineering organized an expert of Er. Subhash Pathak, Consulting Chartered Civil Engineer, M.I.E., SR. P.E. (ECI, New Delhi) on "Learn About The Booming Warehousing Sector And Opportunities In It From Industry Expert". The students and professors of Civil Engineering Department of Bharati Vidyapeeth's College of Engineering, Lavale , attended the session. Following pointe were discussed in the session,

1. OVERVIEW AND IMPORTANCE OF WAREHOUSING IN INDIA

Overview of Warehousing in India:

- After independence, the warehousing was established as an infrastructure facility to Agricultural Produce Marketing Committee (APMC).
- However due to industrialization and increase in the yield of agricultural produce the warehousing capacity failed short.
- Thus Warehousing Planning failed and which gave birth to unplanned, unscientific, and uncontrolled development of Warehousing in the country.
- There is a facility to issue Warehouse Receipt against the goods stored in state or central Warehousing corporation. The Warehouse Receipt is a negotiable instrument in banks.
- Thus function of warehouses controls the rise or fall of agricultural produce rates in the market and helps the economy of the nation.
- This planning was made for 25 to 30 years.

2. SITE SWOT ANALYSIS

The following points should be broadly considered in technical feasibility for selection of location/ land/ plot for establishing Warehousing Complex:

1. Land topography analysis.
2. Soil analysis.
3. Infrastructure nearby – Analysis (Roads, Power and Water Availability)
4. Development cost analysis.
5. Location of Warehouse Complex
6. Availability of minimum 40 M.T. Capacity weigh bridge at complex or near the complex.

2.1 LAND TOPOGRAPHY ANALYSIS:

- The shape of land shall be preferably rectangular
- The size of land/ plot shall be a mini u m of 70X42 m
- The land shall not be undulating or hilly
- The land shall be adjoining stream or river
- The stream shall not pass across the land
- The land shall not be under submergence of the dam
- The land shall have approach roads and preferably shall have road frontage

2.2 Soil analysis

2.3 Infrastructure analysis

A. Roads
B. Power
C. Water

2.4 Development cost analysis

2.5 Location of warehousing complex

2.6 Availability of minimum 40m.t. wwight bridge facility at complecx

2.7 Weakness

A) Stream passing parallel to one the boundary of warehousing complex.

B) High tension overhead electric line passing across the plot.

2.8 Recommendation in selection/ rejection of location of warehousing complex

3. PRE-CONSTRUCTON

3.1 Master Layout

3.1.1 Key parameters of Master layout

3.1.2 Distance between two warehouse.

3.1.3 Plot geometry

3.2 Warehouse Design

3.2.1 Type of warehouse

3.2.2 Stacking system

3.2.3 Height of warehouse based on the material stacked

4. CONSTRUCTION DESIGN AND IMPLEMENTATION

4.1 Construction design particulars

4.1.1 Footing foundation

4.2 Finishes

4.2.1 Wall material and finishes

4.2.2 Plinth floor material and finishes

4.3 Services

4.3.1 Water

4.3.2 Power

5. POST CONSTRUCTION

5.1 Precautions

5.2 Maintenance solutions to the issues faced

6. ESTIMATION OF WAREHOUSING COMPLEX

6.1 Estimate items in brief

6.2 provision of items and abstract of measurement

6.3 Recapitulations sheet

6.4 Budget provision

7.0 SCIENTIFIC STORAGE OF CONSTRUCTION MATERIAL

7.1 Storage of aggregate

7.2 storage of steel bars

7.3 storage of tiles, AC sheets

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Civil Engineering
Bharati Vidyapeeth's
college of Engineering Lavale,Pune

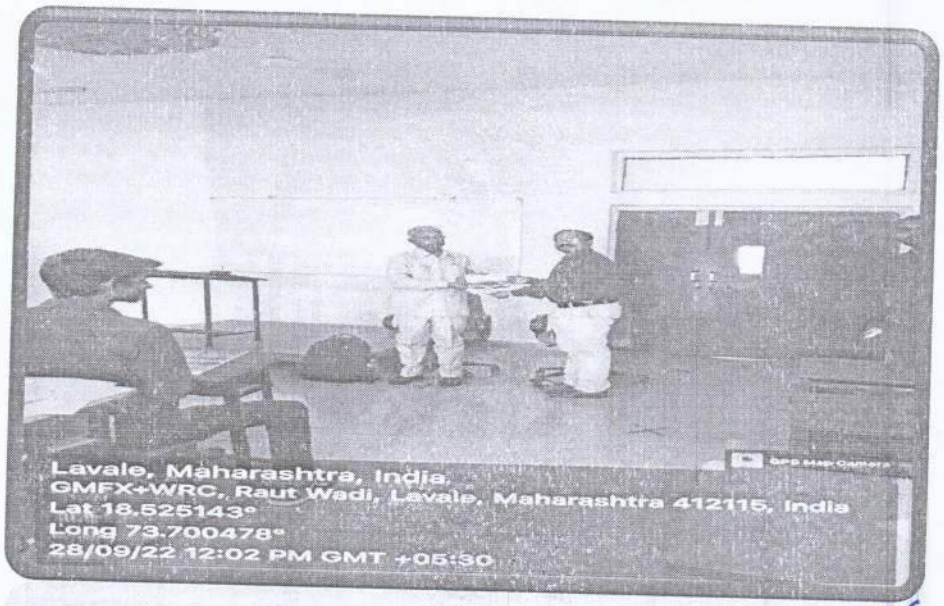
Founder:
Dr. Patangrao Kadam
M.A., L.L.B., Ph.D.

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEEERING, LAVALE, PUNE 412 115.
Recognized by AICTE, New Delhi & DTE Mumbai.
Affiliated to Savitribai Phule Pune University.

DEPARTMENT OF CIVIL ENGINEERING

Photo Gallery -





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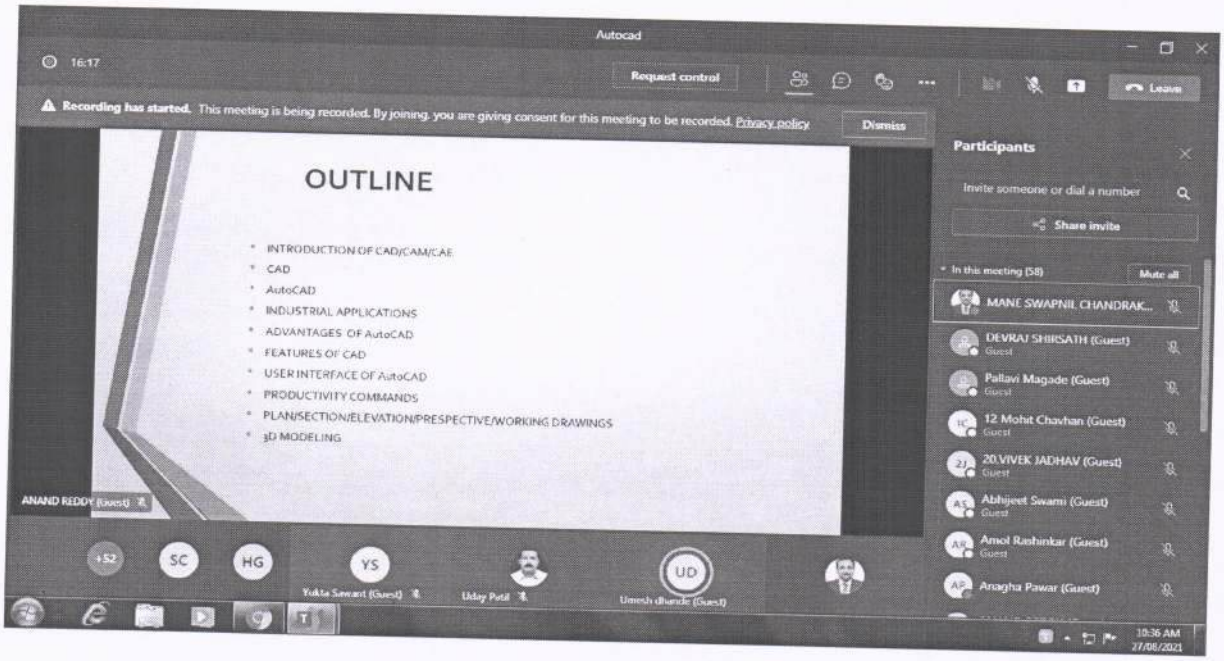
Report on Workshop

ADVANCED SOFTWARE'S USED IN CIVIL ENGINEERING-AUTOCAD

Department of civil engineering from Bharati Vidyapeeth's college of Engineering Lavale Pune arranged one Day Workshop on AutoCAD dated 27th August 2021 at 10.30 am to 11.30 am. Expert of the workshop, Mr. Anand Reddy who is Team lead & Technical Expert of CADD Center, Pune. Expert rendered his expertise to all Modules of AutoCAD on effective use of subjective knowledge. More than 73 students from our civil Engineering students were attending the workshop.

AutoCAD is a commercial computer-aided design (CAD) and drafting software application. Developed and marketed by Autodesk, AutoCAD was first released in December 1982 as a desktop app running on microcomputers with internal graphics controllers. Prior to the introduction of AutoCAD, most commercial CAD programs ran on mainframe computers or minicomputers, with each CAD operator (user) working at a separate graphics terminal. Since 2010, AutoCAD was released as a mobile- and web app as well, marketed as AutoCAD 360.

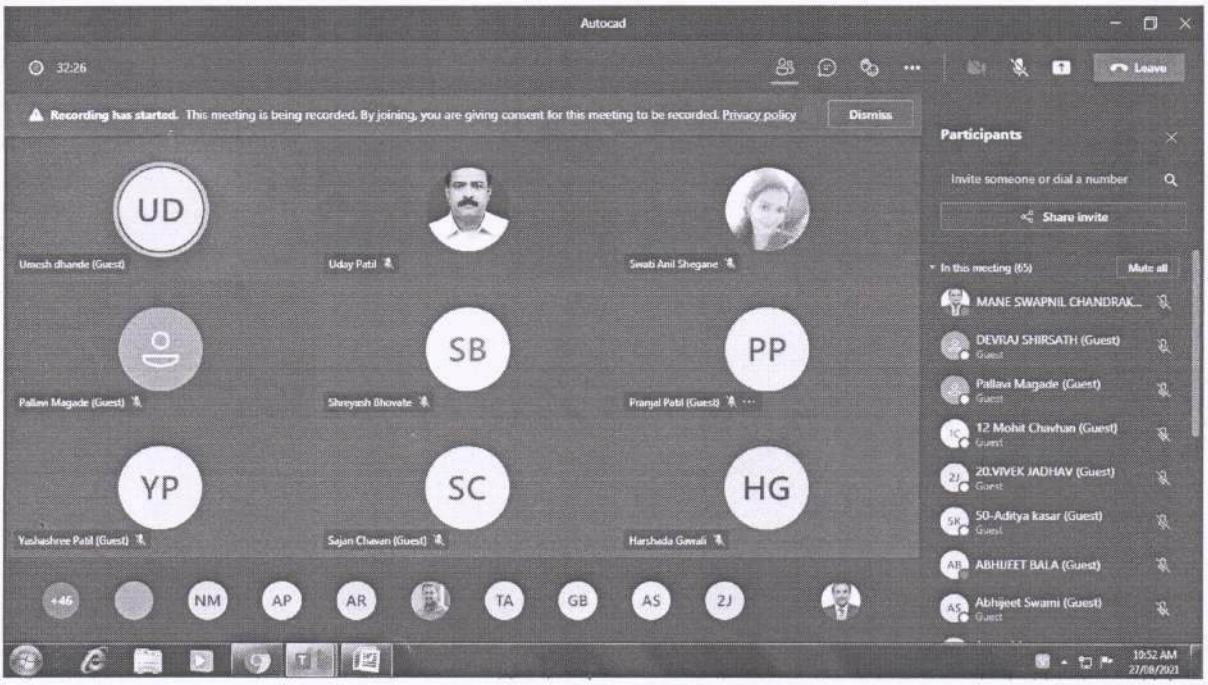
AutoCAD is used across a wide range of industries, by architects, project managers, engineers, graphic designers, and many other professionals.



Outline of the Programme



Perspective Drawing



Student attendance screenshot of the programme

List of the student Attended

Sr No	Full Name	Timestamp
1	Uday Patil	8/27/2021, 10:22:53 AM
2	MANE SWAPNIL CHANDRAKANT	8/27/2021, 10:22:53 AM
3	Swati Anil Shegane	8/27/2021, 10:22:53 AM
4	Harshada Gawali	8/27/2021, 10:22:53 AM
5	Prashant Mahadik	8/27/2021, 10:22:53 AM
6	Umesh dhande (Guest)	8/27/2021, 10:23:39 AM
7	Umesh dhande (Guest)	8/27/2021, 10:25:06 AM
8	ANAND REDDY (Guest)	8/27/2021, 10:24:04 AM
9	ANAND REDDY (Guest)	8/27/2021, 10:25:10 AM
10	ANAND REDDY (Guest)	8/27/2021, 10:29:57 AM
11	Pranjal Patil (Guest)	8/27/2021, 10:24:06 AM
12	Priyanka Khavare (Guest)	8/27/2021, 10:24:28 AM
13	GARGI BIJWE (Guest)	8/27/2021, 10:24:30 AM
14	Amol Ambekar (Guest)	8/27/2021, 10:24:52 AM
15	Amol Ambekar (Guest)	8/27/2021, 10:25:15 AM
16	Piyush Sonawane (Guest)	8/27/2021, 10:25:08 AM
17	Piyush Sonawane (Guest)	8/27/2021, 10:26:31 AM
18	Pallavi Magade (Guest)	8/27/2021, 10:25:09 AM
19	Shreyash Bhovate	8/27/2021, 10:26:29 AM

20	Anagha Pawar (Guest)	8/27/2021, 10:27:17 AM
.21	Anagha Pawar (Guest)	8/27/2021, 10:28:01 AM
22	Anagha Pawar (Guest)	8/27/2021, 10:30:21 AM
23	Tejaswi Chavan (Guest)	8/27/2021, 10:28:13 AM
24	Kishor lekurwale	8/27/2021, 10:28:21 AM
25	20.VIVEK JADHAV (Guest)	8/27/2021, 10:28:29 AM
26	Tejaswini Adhav (Guest)	8/27/2021, 10:28:47 AM
27	Abhijeet Swami (Guest)	8/27/2021, 10:28:54 AM
28	Yashashree Patil (Guest)	8/27/2021, 10:29:20 AM
29	Neeraj Arun Gangurde	8/27/2021, 10:30:00 AM
30	Umesh dhande (Guest)	8/27/2021, 10:30:00 AM
31	Sajan Chavan (Guest)	8/27/2021, 10:30:33 AM
32	Narendrakumar Mittewad (Guest)	8/27/2021, 10:30:43 AM
33	12 Mohit Chavhan (Guest)	8/27/2021, 10:31:16 AM
34	Shubham Ghadlinge	8/27/2021, 10:31:17 AM
.35	Ujwala Deshmukh	8/27/2021, 10:31:21 AM
36	ROHIT KAMBLE 13 (Guest)	8/27/2021, 10:31:27 AM
37	ROHIT KAMBLE 13 (Guest)	8/27/2021, 10:31:30 AM
38	Suman Yadav (Guest)	8/27/2021, 10:31:30 AM
39	Sahil Patil (Guest)	8/27/2021, 10:31:33 AM
40	Yogesh Pawara (Guest)	8/27/2021, 10:31:33 AM
41	Sanket Kondvilakar (Guest)	8/27/2021, 10:31:34 AM
42	AKSHAT AGRAWAL (Guest)	8/27/2021, 10:31:37 AM
43	AKSHAT AGRAWAL (Guest)	8/27/2021, 10:33:13 AM
44	Piyush Sonawane (Guest)	8/27/2021, 10:31:43 AM
45	Nandkishor munde	8/27/2021, 10:31:44 AM
46	jadhav Vasundhara (Guest)	8/27/2021, 10:31:46 AM
47	Pawan Mali (Guest)	8/27/2021, 10:31:46 AM
48	Ranjit Bhosle (Guest)	8/27/2021, 10:31:47 AM
.49	Rushikesh Kohale (Guest)	8/27/2021, 10:31:49 AM
50	Gaurav Rokade (Guest)	8/27/2021, 10:31:51 AM
51	Sandesh Zore	8/27/2021, 10:31:55 AM
52	Tapasya Jadhav	8/27/2021, 10:31:57 AM
53	Nilesh Shivpuje	8/27/2021, 10:32:06 AM
54	Sangram Chandrakant Patil	8/27/2021, 10:32:07 AM
55	Prathamesh Gaikwad 36 (Guest)	8/27/2021, 10:32:08 AM
56	Ganaraj Butle	8/27/2021, 10:32:10 AM
57	Mahesh Dhumal (Guest)	8/27/2021, 10:32:17 AM
58	Vaishnavi Khande (Guest)	8/27/2021, 10:32:26 AM
59	DEVRAJ SHIRSATH (Guest)	8/27/2021, 10:32:28 AM
60	Gauri Nikam (Guest)	8/27/2021, 10:32:30 AM
61	Shantanu Mandale	8/27/2021, 10:32:33 AM
62	Gayatri Pandit (Guest)	8/27/2021, 10:32:44 AM
.63	Atharva Ghogare (Guest)	8/27/2021, 10:33:02 AM
64	Antesh 51 (Guest)	8/27/2021, 10:33:05 AM

65	Shivraj Patil. 53 (Guest)	8/27/2021, 10:33:10 AM
66	Sakshi Shinde	8/27/2021, 10:33:23 AM
.67	Kiran Patil (Guest)	8/27/2021, 10:33:51 AM
68	Yukta Sawant (Guest)	8/27/2021, 10:33:55 AM
69	ROHIT KAMBLE 13 (Guest)	8/27/2021, 10:34:10 AM
70	Amol Rashinkar (Guest)	8/27/2021, 10:34:17 AM
71	PRATHAM PANDILWAR (Guest)	8/27/2021, 10:34:26 AM
72	Shravani Patil	8/27/2021, 10:34:48 AM

Prahale

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Civil Engineering
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Affiliated to Savitribai Phule Pune University.

Ref. No.BV/COEL/ /20

Date: 02/07/2021

Department of Civil Engineering

IMPORTANT NOTICE

All the students of SE, TE, BE are informed that the Expert Lecture on **"Computer Aided Engineering"** by Mr. Apoorv Bapat is arranged on **Monday 05 July 2021** at **12 pm.** All the students should login at 11.45 on the Google Meet link.

Note:

01. **Attendance is compulsory to all students**
02. **Internship Test Drive on Tuesday 06.07.2021 at 10am**

Program Coordinator

HOD, 01/07/2021.
Civil Department,
BVCoE Lavale.

H.O.D
Civil Engineering
Bharati Vidyapeeth's
college of Engineering Lavale,Pune

Expert Lecture on "Computer Aided Engineering"

Bharati Vidyapeeth's

College of Engineering, Lavale, Pune. 412115

Organize by

Department of Civil Engineering with Internship Cell

Expert lecturer – Mr. Apoorv Bapat.

(Founder and CEO ELEATION)

Expert Lecture for Civil and Mechanical Students



Date:
Monday
5 th July 2021

Time:

12.00 to 01.00 pm

Medium :

Google Meet Link:
https://meet.google.com/pjq-ofva-qez?hs=224

Program Coordinator

Prof. P.G. Rahate

Prof. S. C. Patil

Prof. S.N. Kadam

Prof. U.S.Patil
HOD
Civil Department

Prof. S.R. Patil
HOD
Mechanical Dept.

Dr. R. N. Patil

Principal
Bharati Vidyapeeth's College of Engineering, Lavale, Pune.412115.

Web Site: http://www.eleation.com/
College Code : ELPA398
Internship Drive is Schedule on : 06-07-2021
Students can attend the online internship test anytime from 10 AM to 5 PM.

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

BHARTIVIDYAPEETH'S

COLLEGEOFENGINEERING,LAVALE

Department of Civil Engineering

Expert Lecture Report

CLASS	SE, TE, BE. CIVIL
Name of Event	Expert lecture on CAE (Computer Aided Engineering) by ELEATION.
DATE	**05th July 2021, 12pm**
Organize by	Prof. S.C.Patil
Present student	74

Bharati Vidyapeeth's College of Engineering, Pune organize the Expert lecture on CAE (Computer Aided Engineering) by ELEATION. On 05th July 2021, 12pm for students of SE, TE, BE of Civil Engineering. The Expert Lecture organizes by Prof. S.C. Patil from Civil Engineering Department.

Name of Speaker : Mr. Apoorv Bapat

Designation: Founder and CEO of ELEATION

In ELEATION's Expert Lecture on CAE, we will cover:

- About ELEATION.
- What is CAE – Computer Aided Engineer?
- What is FEM/FEA?
- Industry need of CAE Engineering's
- Future scope of CAE
- Why to learn CAE software.

Key Features of ELEATION's Virtual Internship Process :

- Complete Training on ELEATION's ANSYS Basic To Professional Training Program.
- Industrial Internship Project on CAE
- ELEATION's ANSYS Basic To Professional Training Program : Certificate.
- Internship Letter
- Letter of recommendation
- Experience letter
- Free Licensed Version Software.

This expert lecture gave student lot of knowledge about CAE and Virtual internship process.

Photo Gallery: Expert Lecture Flyer

Expert Lecture on "Computer Aided Engineering"

Bharati Vidyapeeth's

College of Engineering, Lavale, Pune. 412115

Organize by

Department of Civil Engineering with Internship Cell

Expert lecturer – Mr. Apoorv Bapat.

(Founder and CEO ELEATION)

Expert Lecture for Civil and Mechanical Students



Web Site: http://www.eleation.com/
College Code : ELPA398
Internship Drive Is Schedule on : 06-07-2021
Students can attend the online internship test anytime from 10 AM to 5 PM.

Date:
Monday
5 th July 2021

Time:

12.00 to 01.00 pm

Medium :

Google Meet Link:
https://meet.google.com/pjq-ofva-qez?hs=224

Program Coordinator

Prof. P.G. Rahate

Prof. S. C. Patil

Prof. S.N. Kadam

Prof. U.S.Patil
HOD
Civil Department

Prof. S.R. Patil
HOD
Mechanical Dept.

Dr. R. N. Patil

Principal
Bharati Vidyapeeth's College of Engineering, Lavale, Pune.412115.

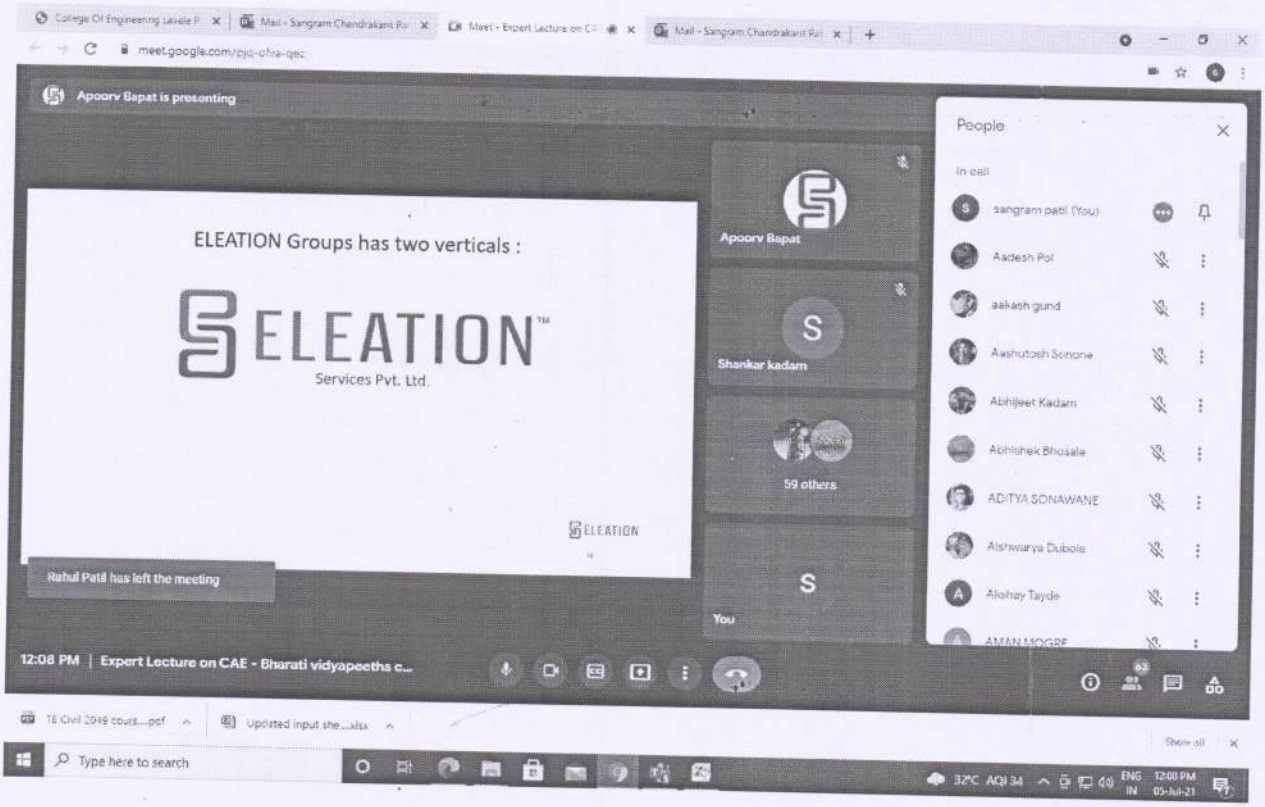


Photo No. 01. Introduction of ELEATION by Mr. Apoorv Sir.

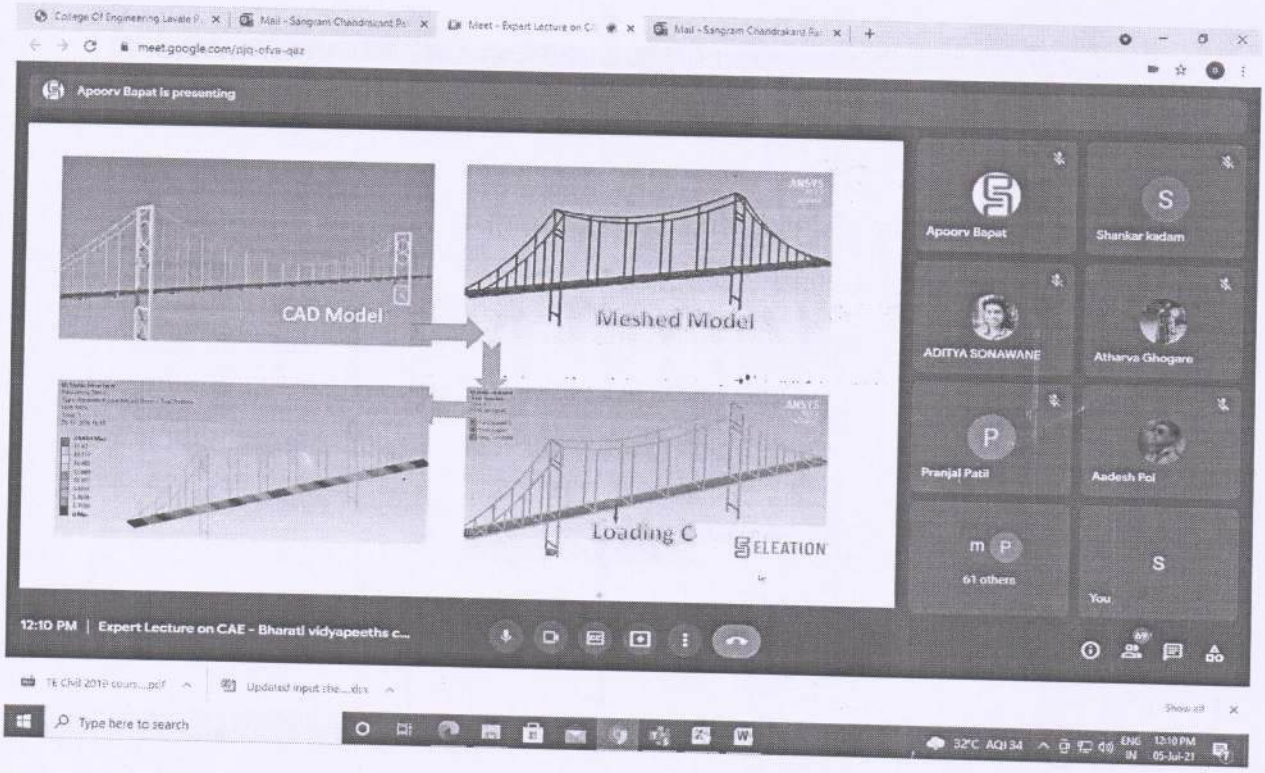


Photo No. 02 Introduction of Various structure in CAE Explain by Mr. Apoorv Sir.

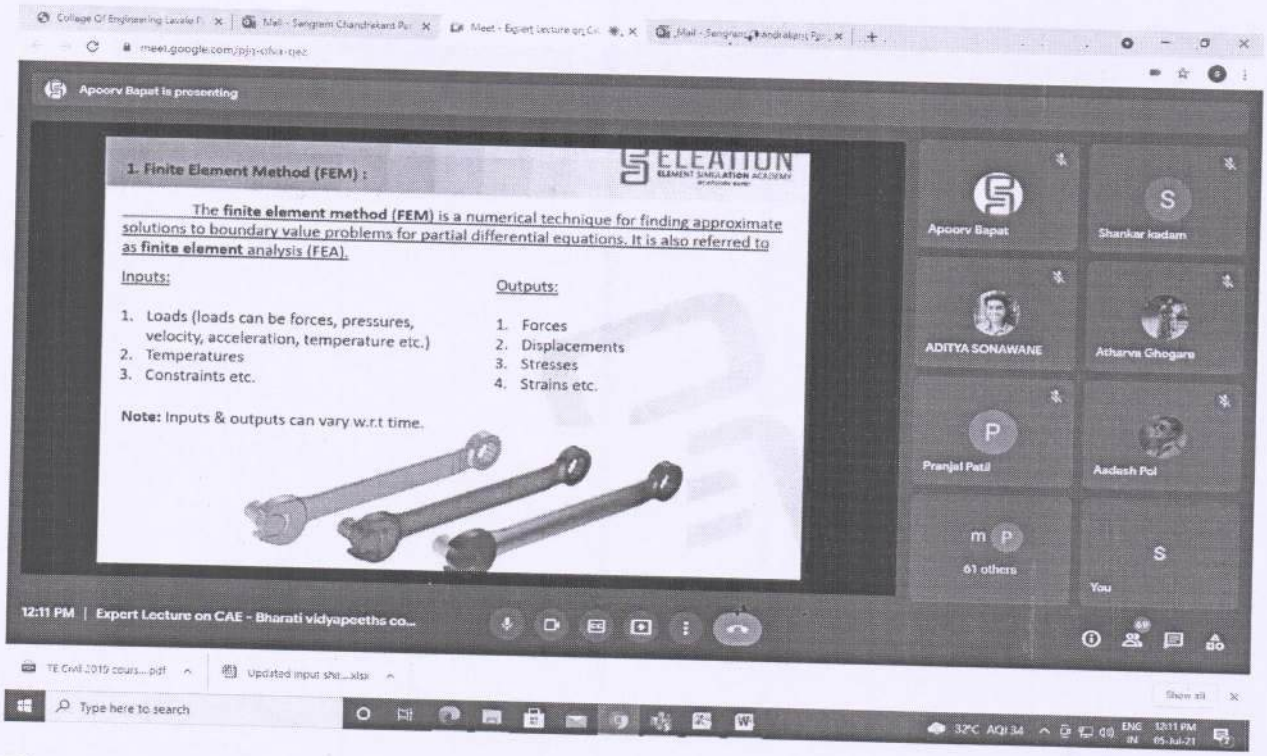


Photo No. 03 Introduction of FEM by Mr. Apoorv Sir.

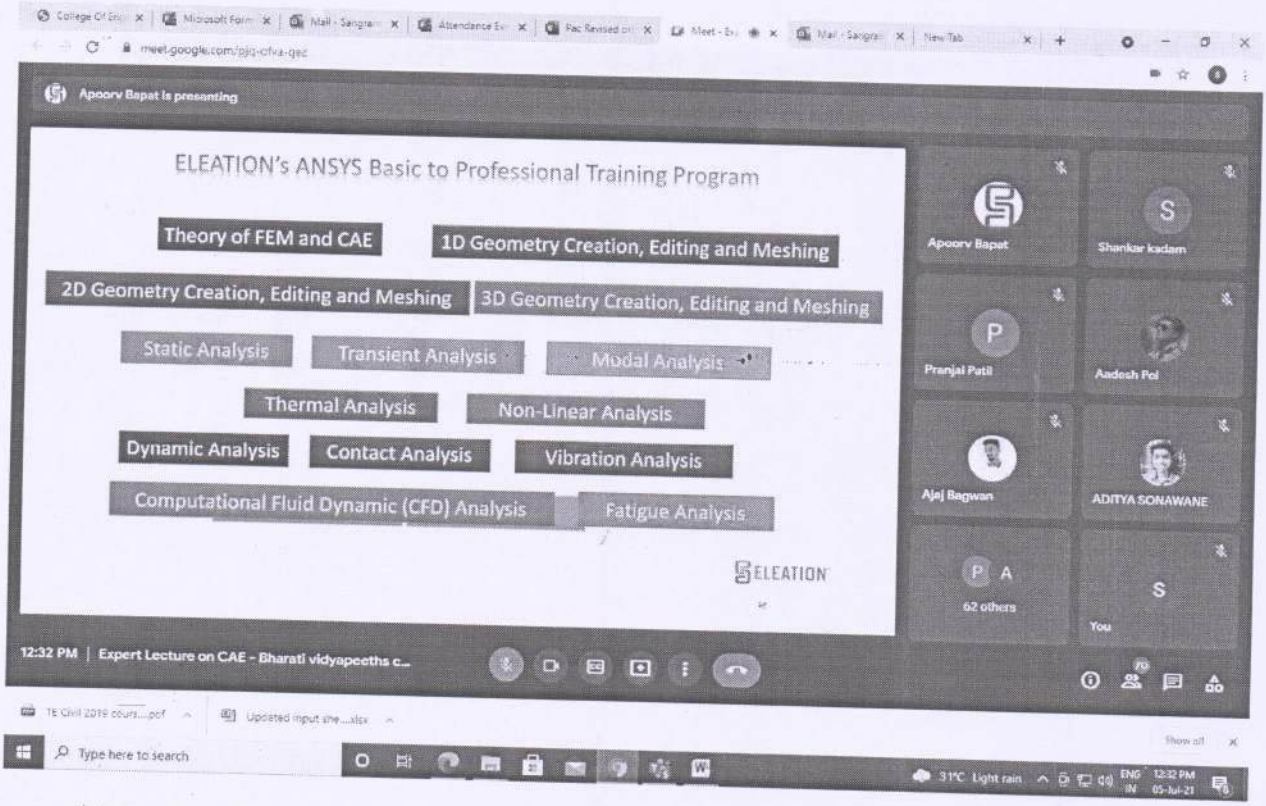
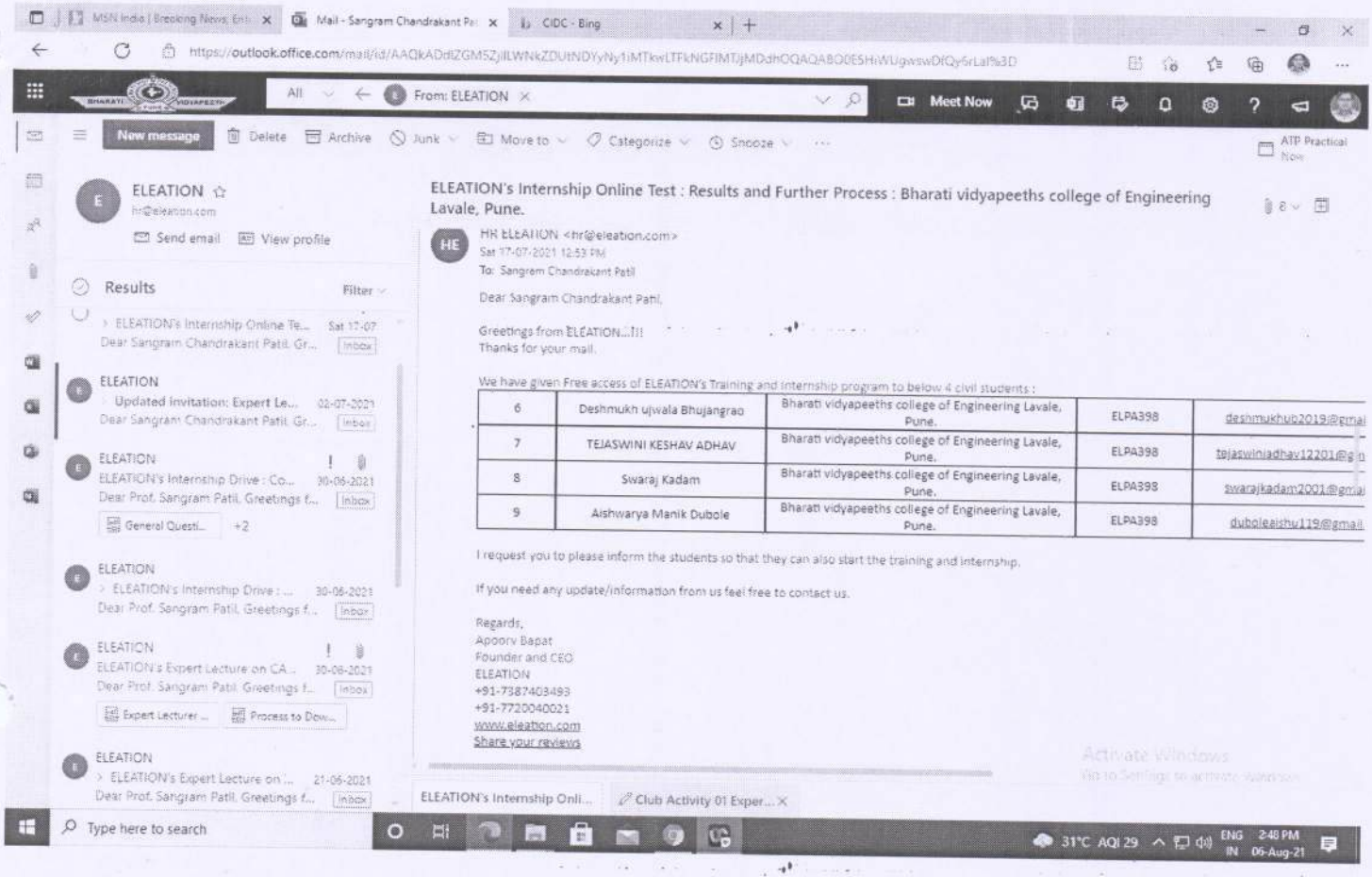


Photo No. 04. Explanation of ELEATION's Professional Training Program by Mr. Apoorv Sir.

THANK YOU



ELEATION's Internship Online Test : Results and Further Process : Bharati vidyapeeths college of Engineering Lavale, Pune.

HR ELEATION <hr@eleation.com>
Sat 17-07-2021 12:53 PM
To: Sangram Chandrakant Patil

Dear Sangram Chandrakant Patil,

Greetings from ELEATION...!!!
Thanks for your mail.

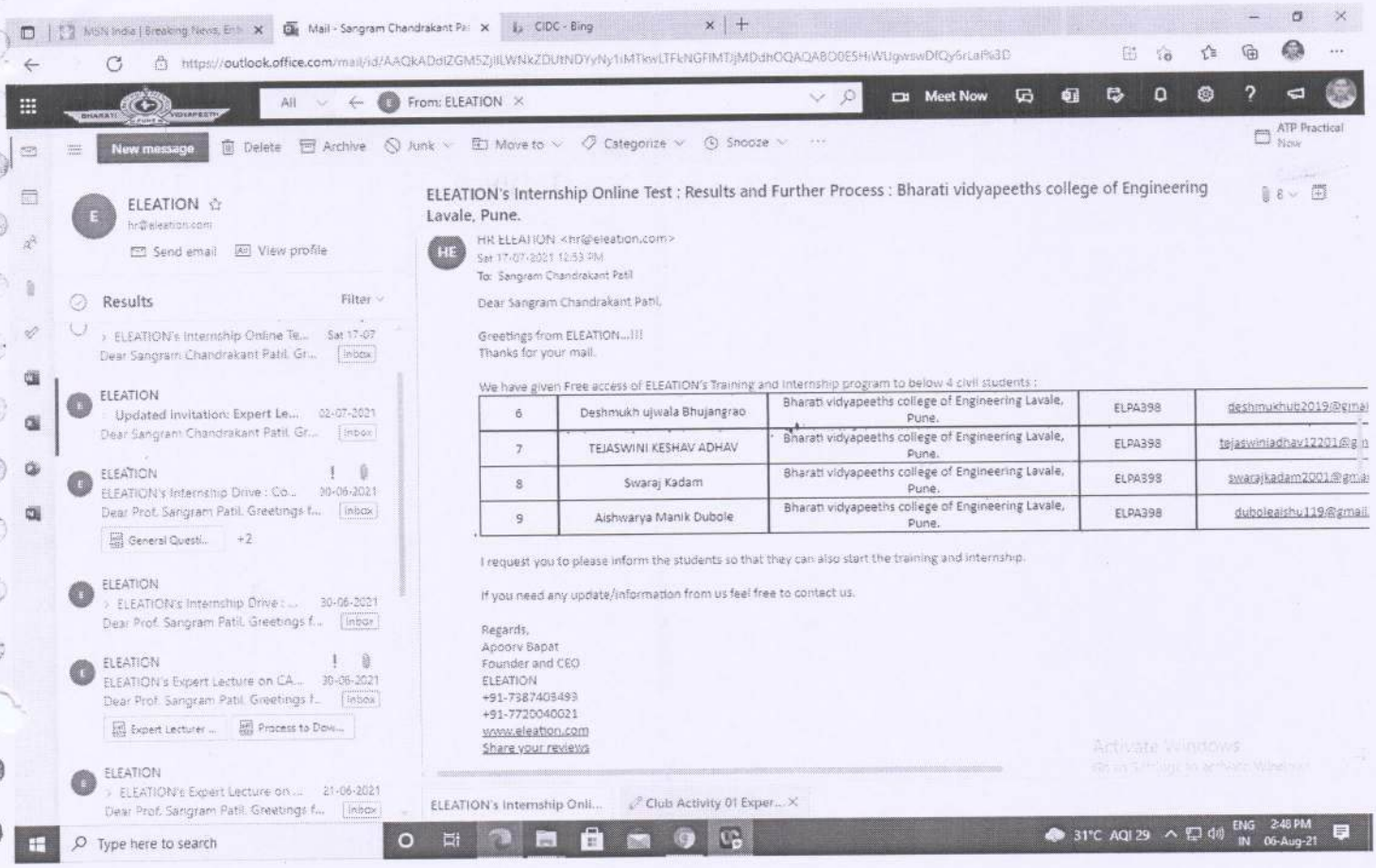
We have given Free access of ELEATION's Training and internship program to below 4 civil students :

6	Deshmukh ujwala Bhujangrao	Bharati vidyapeeths college of Engineering Lavale, Pune.	ELPA398	deshmukhub2019@gmai
7	TEJASWINI KESHAV ADHAV	Bharati vidyapeeths college of Engineering Lavale, Pune.	ELPA398	tejaswiniadhav12201@g
8	Swaraj Kadam	Bharati vidyapeeths college of Engineering Lavale, Pune.	ELPA398	swarajkadam2001@gmai
9	Aishwarya Manik Dubole	Bharati vidyapeeths college of Engineering Lavale, Pune.	ELPA398	dubole.ishu119@gmail.

I request you to please inform the students so that they can also start the training and internship.

If you need any update/information from us feel free to contact us.

Regards,
Apoorv Bapat
Founder and CEO
ELEATION
+91-7387403493
+91-7720040021
www.eleation.com
Share your reviews



ELEATION's Internship Online Test : Results and Further Process : Bharati vidyapeeths college of Engineering Lavale, Pune.

HR ELEATION <hr@eleation.com>
Sat 17-07-2021 12:53 PM
To: Sangram Chandrakant Patil

Dear Sangram Chandrakant Patil,

Greetings from ELEATION...!!!
Thanks for your mail.

We have given Free access of ELEATION's Training and Internship program to below 4 civil students :

6	Deshmukh ujwala Bhujangrao	Bharati vidyapeeths college of Engineering Lavale, Pune.	ELPA398	deshmukhujb2019@gmai
7	TEJASWINI KESHAV ADHAV	Bharati vidyapeeths college of Engineering Lavale, Pune.	ELPA398	tejaswiniadhav12201@g
8	Swaraj Kadam	Bharati vidyapeeths college of Engineering Lavale, Pune.	ELPA398	swarajkadam2001@gmai
9	Aishwarya Manik Dubole	Bharati vidyapeeths college of Engineering Lavale, Pune.	ELPA398	dubolеaishu119@gmail.

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If you need any update/information from us feel free to contact us.

Regards,
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Bharati Vidyapeeth's
College of Engineering, Lavale,Pune
DEPARTMENT OF CIVIL ENGINEERING

Expert Lecture: Mr. Apoorv Bapat

Sr. No.	Name of Student	Status	Class	Date and Time
1	Anagha Pawar	Join	BE	05.07.2021
2	Nandkishor munde (Guest)	Join	BE	05.07.2021
3	Ujwala Deshmukh	Join	BE	05.07.2021
4	Sugam Gongale (Guest)	Join	BE	05.07.2021
5	Tejaswini survase	Join	BE	05.07.2021
6	Shreyash Bhovate (Guest)	Join	BE	05.07.2021
7	Akash Thagnare (Guest)	Join	BE	05.07.2021
8	sukhada kulkarni(39)	Join	BE	05.07.2021
9	Chaitanya Talekar (Guest)	Join	BE	05.07.2021
10	Gaurav Tiwari (Guest)	Join	BE	05.07.2021
11	Yukta Sawant (Guest)	Join	BE	05.07.2021
12	Vaibhav Dhage	Join	BE	05.07.2021
13	Abhishek Birajdar (Guest)	Join	BE	05.07.2021
14	Deven sharma (Guest)	Join	BE	05.07.2021
15	Suman Yadav (Guest)	Join	BE	05.07.2021
16	Vaibhav Dhage (Guest)	Join	BE	05.07.2021
17	Balaji Biradar (Guest)	Join	BE	05.07.2021
18	Abhijeet S -69 (Guest)	Join	BE	05.07.2021
19	Gauri Nikam (Guest)	Join	BE	05.07.2021
20	Shivraj Patil. 52 (Guest)	Join	BE	05.07.2021
21	Harshwardhan Mohite (Guest)	Join	BE	05.07.2021
22	Pradnya Goswami (Guest)	Join	BE	05.07.2021
23	Ranjit Bhosle (Guest)	Join	BE	05.07.2021
24	Tejaswi Chavan (Guest)	Join	BE	05.07.2021
25	Jadhav Rushikesh Sanjay (Guest)	Join	BE	05.07.2021
26	Kshitij Jagdale (Guest)	Join	BE	05.07.2021
27	Chirag Rathod (Guest)	Join	BE	05.07.2021
28	Neha potghan	Join	BE	05.07.2021
29	Nandini Deshmukh (Guest)	Join	BE	05.07.2021
30	Abhijeet Alhat (Guest)	Join	BE	05.07.2021
31	Buddhabhushan Bhagat (Guest)	Join	BE	05.07.2021
32	Sai (Guest)	Join	BE	05.07.2021
33	Pranil Virole (Guest)	Join	BE	05.07.2021
34	Aishwarya Dubole	Join	TE	05.07.2021
35	Abhishek Bhosale (Guest)	Join	TE	05.07.2021
36	Harshada Gawali	Join	TE	05.07.2021
37	Vishal Yamgar (Guest)	Join	TE	05.07.2021

Bharati Vidyapeeth's
College of Engineering, Lavale,Pune
DEPARTMENT OF CIVIL ENGINEERING

Expert Lecture: Mr. Apoorv Bapat

Sr. No.	Name of Student	Status	Class	Date and Time
38	Mahesh Dhumal (Guest)	Join	TE	05.07.2021
39	shreya.chaware-coel (Guest)	Join	TE	05.07.2021
40	Sushil Girase	Join	TE	05.07.2021
41	AKSHAT AGRAWAL (Guest)	Join	TE	05.07.2021
42	24- Narendrakumar Mittewad (Guest)	Join	TE	05.07.2021
43	30 Akshay T (Guest)	Join	TE	05.07.2021
44	20.VIVEK JADHAV (Guest)	Join	TE	05.07.2021
45	Sahil Patil (Guest)	Join	TE	05.07.2021
46	Aniket Divekar	Join	TE	05.07.2021
47	Sweeti Nemade (Guest)	Join	TE	05.07.2021
48	ADITYA KARANDE	Join	TE	05.07.2021
49	Yashashree Patil	Join	TE	05.07.2021
50	GARGI BIJWE (Guest)	Join	TE	05.07.2021
51	SAUMYA NAGRALE	Join	TE	05.07.2021
52	sakshi shinde (Guest)	Join	TE	05.07.2021
53	Jadhav Vasundhara (Guest)	Join	TE	05.07.2021
54	Pawan Mali (Guest)	Join	TE	05.07.2021
55	Ashish Badge (Guest)	Join	TE	05.07.2021
56	RESHU SINGH (Guest)	Join	TE	05.07.2021
57	Abhishek Avhad (Guest)	Join	TE	05.07.2021
58	Onkar Pawar (Guest)	Join	TE	05.07.2021
59	Piyusha Shinde	Join	TE	05.07.2021
60	44 Pallavi Magade (Guest)	Join	TE	05.07.2021
61	Atharva Ghogare (Guest)	Join	TE	05.07.2021
62	Sanket Kondvilakar (Guest)	Join	TE	05.07.2021
63	Mohit Chavhan (Guest)	Join	TE	05.07.2021
64	PRATHAM PANDILWAR (Guest)	Join	TE	05.07.2021
65	Yogesh Pawara (Guest)	Join	TE	05.07.2021
66	Pranjal Patil (Guest)	Join	TE	05.07.2021
67	ishwar Bodake (48) (Guest)	Join	TE	05.07.2021
68	Vaishnavi Khande	Join	TE	05.07.2021
69	Swaraj Kadam (Guest)	Join	TE	05.07.2021
70	Shreyash Bongirwar (Guest)	Join	TE	05.07.2021
71	ABHIJEET BALA (Guest)	Join	TE	05.07.2021
72	Amol Rashinkar (Guest)	Join	TE	05.07.2021
73	Priyanka Khavare (Guest)	Join	TE	05.07.2021
74	Latika Sonawane (27)	Join	TE	05.07.2021

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

Bharati Vidyapeeth College of Engineering

Lavale, Pune- 412 115, Maharashtra State.

Phone: (020) 20291357 Website: bvcoe.bharatividyapeeth.edu

Ref. No: BV/COEL/civil/ 1074

Date: 28/06/2021

Department of Civil Engineering

NOTICE

All the students of TE and BE students are informed that Expert lecture on "Geotechnic Applications, like slope stability, permeability and insitu properties" is arranged on Saturday 03/07/2021 at 10.00 am and will be delivered by Renowned scientists, Dr. Sanjay A. Burele, Scientists 'C' Geotechnical Engineering-I Central Water and Power Research station (CWPRS).

28/06/2021.

HOD,
Civil Department,
BVCoE, lavale

H.O.D
Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale,Pune

BHARATI VIDYAPEETH COLLEGE OF ENGINEERING LAVALE

DEPARTMENT OF CIVIL ENGINEERING

GUEST LECTURE REPORT

Topic: "Geotechnical Applications, like slope stability, permeability and insitu properties.

Speaker: Dr. Dr. Sanjay A. Burele, Scientists 'C' Geotechnical Engineering-I Central Water and Power Research station (CWPRS).

Faculty Co-ordinator : Hod U. S. Patil sir

Date and Time : Saturday 03/07/2021 at 10.00 am

VENUE : On line mode on Microsoft Teams

A guest lecture on "Geotechnical Applications, like slope stability, permeability and in situ properties Armament Design Issues and Challenges" was held on Saturday 03/07/2021 at 10.00 am. The guest lecture was organized by department of civil Engineering to provide the students with brief introduction about Geotechnical Applications, like slope stability, permeability and insitu properties.

The guest lecture began with the address of HOD Civil departmet U.S.Patil. He had introduced Dr. Sanjay Burele Scientists 'C' Geotechnical Engineering-I Central Water and Power Research station (CWPRS).

Guest Profile:

Dr. Sanjay Burele is having Experience of 20 Years in Central Power water and Resourses Engineering. He is having expert in hydraulics and Geotechnical Engineeering .

The session ended with the hearty thanks to Dr. Sanjay Burele by HOD Civil Department U.S.Patil Sir in appreciation for taking the time out for educating the students on Geotechnical Engineering

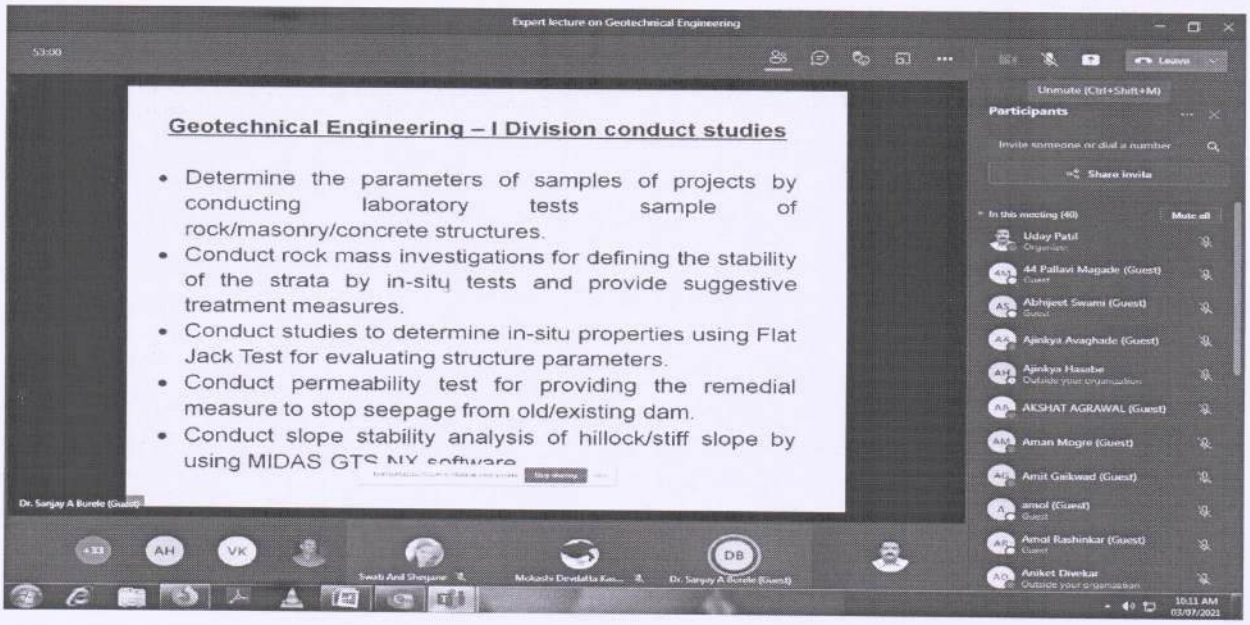
Co-ordinator

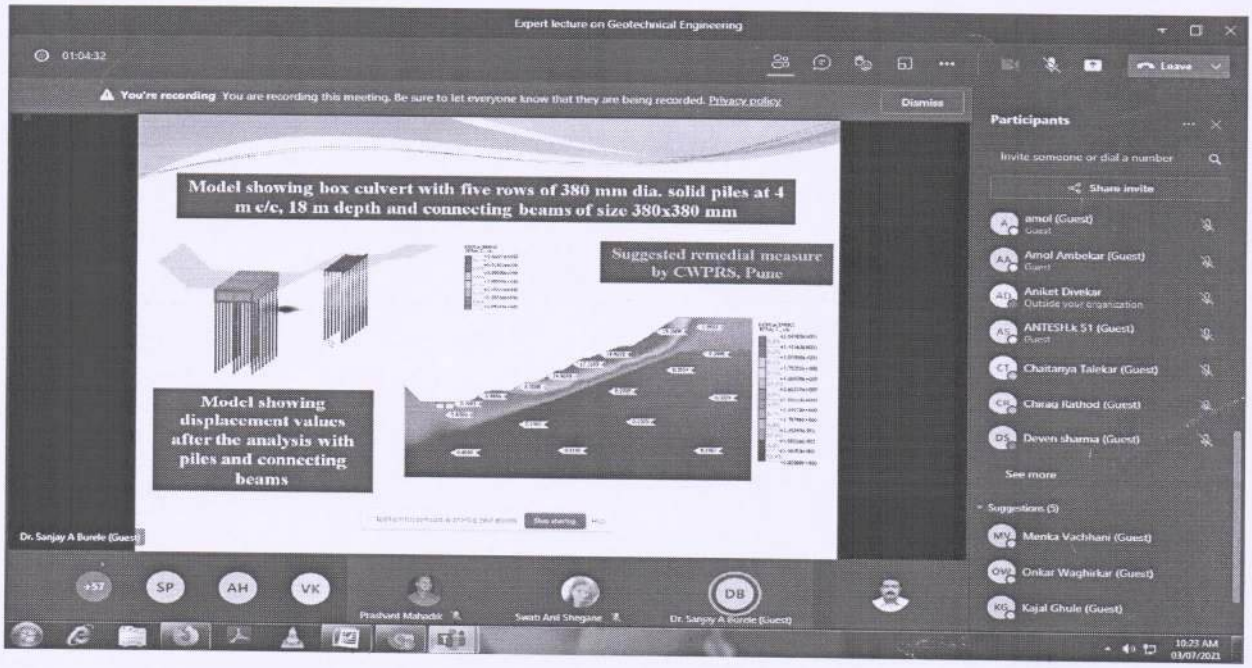
Prof. Neeraj Gangurde

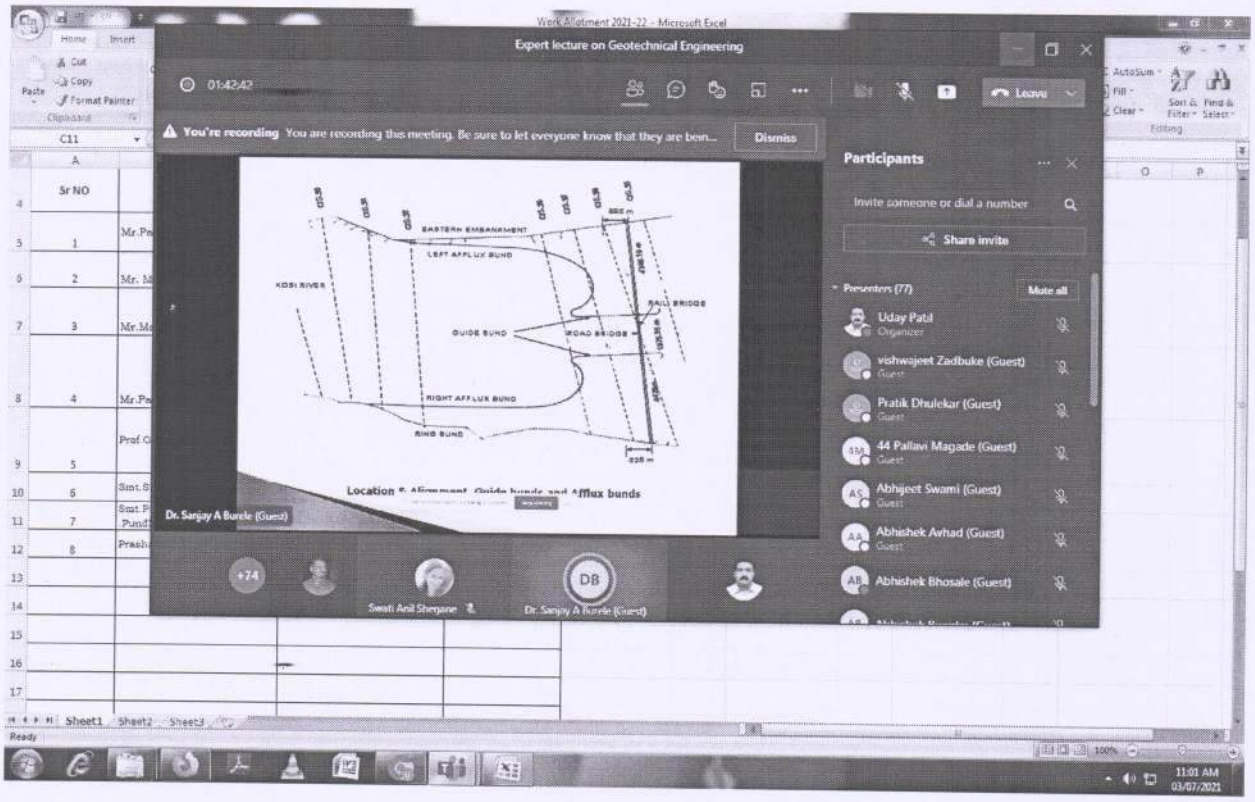
HOD

Uday Patil

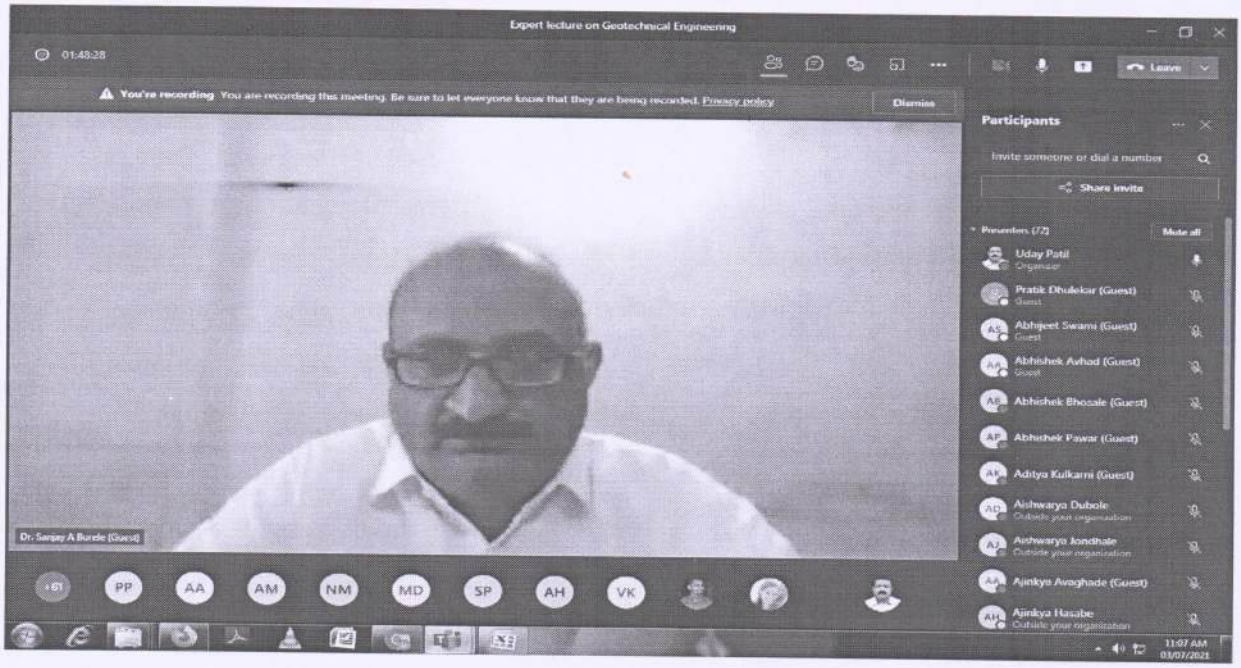
H.O.D
Civil Engineering
Bharati Vidyapeeth's
college of Engineering Lavale,Pune


Expert lecture on Geotechnical Engineering
Geotechnical Engineering – I Division conduct studies
• Determine the parameters of samples of projects by conducting laboratory tests sample of rock/masonry/concrete structures.
• Conduct rock mass investigations for defining the stability of the strata by in-situ tests and provide suggestive treatment measures.
• Conduct studies to determine in-situ properties using Flat Jack Test for evaluating structure parameters.
• Conduct permeability test for providing the remedial measure to stop seepage from old/existing dam.
• Conduct slope stability analysis of hillock/stiff slope by using MIDAS GTS NX software
Participants
Uday Patil
44 Pallavi Magade (Guest)
Abhijeet Swami (Guest)
Ajinkya Avaghade (Guest)
AKSHAT AGRAWAL (Guest)
Aman Mogre (Guest)
Amit Gaikwad (Guest)
amol (Guest)
Amol Rashinkar (Guest)
Aniket Divekar

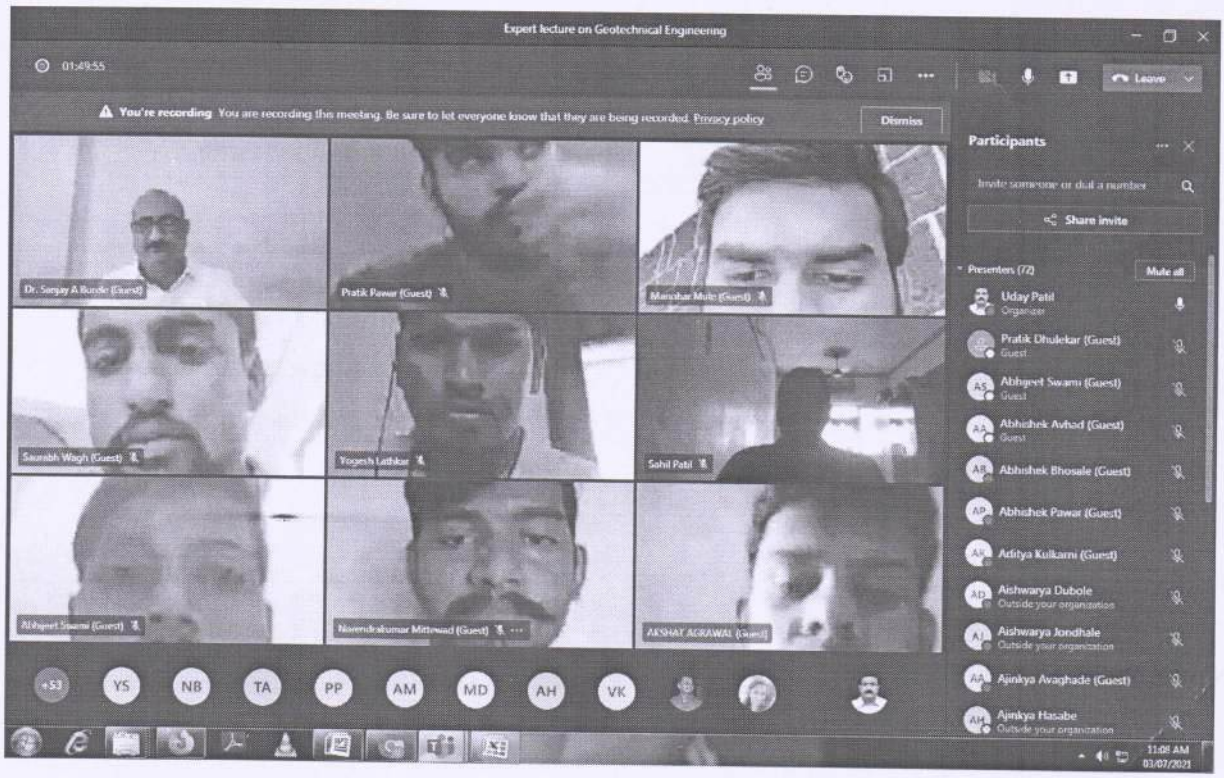

Expert lecture on Geotechnical Engineering
You're recording You are recording this meeting. Be sure to let everyone know that they are being recorded. Privacy policy
Dismiss
Model showing box culvert with five rows of 380 mm dia. solid piles at 4 m c/c, 18 m depth and connecting beams of size 380x380 mm
Suggested remedial measure by CWPRS, Pune
Model showing displacement values after the analysis with piles and connecting beams
Participants
amol (Guest)
Amol Ambekar (Guest)
Aniket Divekar
ANTESH.k S1 (Guest)
Chaitanya Talekar (Guest)
Chiraq Rathod (Guest)
Deven sharma (Guest)
See more
Menka Vachhani (Guest)
Onkar Waghirkar (Guest)
Kajal Ghule (Guest)


Work Allotment 2021-22 - Microsoft Excel
Expert lecture on Geotechnical Engineering
01:42:42
You're recording You are recording this meeting. Be sure to let everyone know that they are bein...
Dismiss
Leave
Participants
Invite someone or dial a number
Share invite
Presenters (77)
Mute all
Uday Patil
Organizer
vishwajeet Zadbuke (Guest)
Pratik Dhulekar (Guest)
44 Pallavi Magade (Guest)
Abhijeet Swami (Guest)
Abhishek Avhad (Guest)
Abhishek Bhosale (Guest)
EASTERN EMBANKMENT
LEFT AFFLUX BUND
KOSI RIVER
RAIL BRIDGE
GUIDE BUND
ROAD BRIDGE
RIGHT AFFLUX BUND
RING BUND
Location
Dr. Sanjay A Burele (Guest)
+74
Swati Anil Shegane
Dr. Sanjay A Burele (Guest)
Sheet1
Sheet2
Sheet3
Ready
11:01 AM
03/07/2021


Expert lecture on Geotechnical Engineering
01:43:13
You're recording You are recording this meeting. Be sure to let everyone know that they are being recorded. Privacy policy
Dismiss
Leave
Participants
Invite someone or dial a number
Share invite
Presenters (76)
Mute all
Uday Patil
Organizer
vishwajeet Zadbuke (Guest)
Pratik Dhulekar (Guest)
44 Pallavi Magade (Guest)
Abhijeet Swami (Guest)
Abhishek Avhad (Guest)
Abhishek Bhosale (Guest)
Abhishek Birajdar (Guest)
Abhishek Pawar (Guest)
Aditya Kulkarni (Guest)
Aishwarya Dubole
Outside your organization
Dr. Sanjay A Burele (Guest)
+70
SP
AH
VK
Prashant Mahadik
Swati Anil Shegane
Dr. Sanjay A Burele (Guest)
11:01 AM
03/07/2021



Dr Sanjay Burele (CWPRS)



Students attending the lecture.

Bharati Vidyapeeth College of Engineering

Lavale, Pune- 412 115, Maharashtra State.

Phone: (020) 20291357 Website: bvcoe.bharatividyapeeth.edu

Ref. No: BV/COEL/ 1075.

Date: 03/07/2021

Department of Civil Engineering

To,

Dr. Sanjay A. Burele, Scientists 'C' Geotechnical Engineering-I Central Water and Power Research station (CWPRS).

Subject: Thanking letter for Expert lecture on "Geotechnical Applications, like slope stability, permeability and insitu properties"

The Guest lecture on "Geotechnical Applications, like slope stability, permeability and insitu properties" we thank you for giving valuable knowledge to the students about the use of Slope Stability and information on Kosi River in your Presentation.

Thanking you.

03/07/2021.

HOD,
Civil Department,
BVCoE Lavale.

H.O.D
Civil Engineering
Bharati Vidyapeeth
College of Engineering, Lavale, Pune

28/06/2021

To,
The Principal,
B.V. College of Engineering, Lavale.

Subject:- Permission to Arrange Expert Lecture on. Geotechnical Engineering

Respected Sir,

In the Department of civil Engineering We Would like to arrange Expert Lecture of Dr. Sanjay Burele, Senior Scientists. CWPRS. on Geotechnical Engineering on. 03/07/2021 at 10 am. Please sanction Rs - 1000=00 as Remuneration and give Permission to Arrange the lecture.

CANARA Bank.
2580,0,100096.
CNRB0002580
Sanjay A. Burele.

Thanking you

Uday Patil.

3rd year civil
Dt. 28/06/2021.

Permitted.
R Patil
28.06.21

01:11 PM on 04 Aug 2021

T210804131139500897475O COPY

Paid to

sanjay A Burele
XXXXXXXXX0966
Canara Bank
₹1,000

PAY AGAIN SHARE

Debited from

******1550
UTR:121640629987
₹1,000

Money sitting idle in your bank account?
Move it to Liquid Funds and give it a chance to grow

Message

100 years and beyond ...

सत्यमेव जयते
भारत सरकार / Government of India
जल शक्ति मंत्रालय / Ministry of Jal Shakti
जल संसाधन, नदी विकास और गंगा संरक्षण विभाग
Department of Water Resources, River Development and Ganga Rejuvenation
केन्द्रीय जल और विद्युत अनुसंधान शाला
खड़कवासला, पुणे - 411 024
CENTRAL WATER & POWER RESEARCH STATION
Khadakwasla, Pune – 411 024

संख्या: TC-2021/392 दिनांक: 02 JUL 2021

विषय : Permission for delivering lecture on "Geotechnical applications, like slope stability, permeability and insitu-properties" under an invitation for expert lecture in Geotechnical Engineering, being organized by Bharati Vidyapeeth's college of Engineering, Lavale, Pune on 03rd July 2021 (online mode).

संदर्भ : Letter no. GE-I (RM)/2021/98, dated 28.06.2021 received from Dr. S. A. Burele, Scientist 'C'

I am directed to convey permission of Director, CWPRS to Dr. S. A. Burele, Scientist 'C', CWPRS for delivering lecture on "Geotechnical applications, like slope stability, permeability and insitu properties" under an invitation for expert lecture in Geotechnical Engineering, being organized by Bharati Vidyapeeth's college of Engineering, Lavale, Pune on 03rd July 2021 (online mode) with the following terms and conditions.
The consent may be communicated to the concerned authority with a copy to this office for records.

Terms and Conditions:

1. The assignment will be carried out without affecting the regular duties of the Office.
2. The officer will not be entitled to draw any TA/DA.
3. Receipt of remuneration, if any, should be informed to Chief Administrative Officer, CWPRS and Accounts Officer (Bills), CWPRS as per prevailing rules.

निदेशक, के.ज.और वि.अ.शाला के अनुमोदन से यह अनुदेश जारी किया गया है।

धन्यवाद,

भवदीय,

(एस. जी. मंजुनाथ / S. G. Manjunatha)
वैज्ञानिक 'ई' (तकनीकी समन्वय)
Scientist 'E' (Technical Co-ordination)
For Director, CWPRS

प्रति :
1. Dr. S. A. Burele, Scientist 'C', GE-I Division through Scientist 'E'
2. Chief Administrative Officer, CWPRS for information.
3. Accounts Officer (Bills), CWPRS for information.
4. Finance Officer, CWPRS for information

टेलीफोन : 020-24103378
फैक्स : 020-24381004
ई-मेल : cro_tc@cwprs.gov.in
वेबसाइट : www.mowr.gov.in, www.cwprs.gov.in

Bharati Vidyapeeth's College of Engineering Lavale.			
Department of Civil Engineering			
Guest Lecture on Geotechnique Engineering			
Date-03/07/2021			
1	Uday Patil	56	Onkar Pawar (Guest)
2	Dr. Sanjay A Burele (Guest)	57	ABHIJEET BALA (Guest)
3	Swati Anil Shegane	58	Abhishek Sawant (Guest)
4	Prashant Mahadik	59	Sonal Jagtap-61 (Guest)
5	Ajinkya Hasabe	60	Harshada Gawali
6	Vaibhav K (Guest)	61	Shubham Gullapelli (Guest)
7	Mokashi Devdatta Kashinath	62	gund aakash (Guest)
8	MANE SWAPNIL CHANDRAKANT	63	Chirag Rathod (Guest)
9	Sahil Patil	64	Pratiksha Jadhav (Guest)
10	Mahesh Dhumal (Guest)	65	Amruta Deshmukh (Guest)
11	Aashish Medhe	66	SAURABH (Guest)
12	ROHIT KAMBLE 13 (Guest)	67	Snehal Chavan (Guest)
13	Narendrakumar Mittewad (Guest)	68	vishwajeet Zadbuke (Guest)
14	Aman Mogre (Guest)	69	Amol Ambekar (Guest)
15	Jadhav Vasundhara (Guest)	70	Abhishek Bhosale (Guest)
16	Pranjal Patil (Guest)	71	Suman Yadav (40) (Guest)
17	AKSHAT AGRAWAL (Guest)	72	Chaitanya Talekar (Guest)
18	PRATHAM PANDILWAR (Guest)	73	Pawan Mali (Guest)
19	Tejaswini Adhav (22) (Guest)	74	Deven sharma (Guest)
20	Neha Burele (Guest)	75	Vaishnavi Khande
21	Shaikh Asif (Guest)	76	OMKAR DOMB
22	44 Pallavi Magade (Guest)	77	Tejaswi Chavan (Guest)
23	Gauri Nikam (38) (Guest)	78	Shrikant Kavitkar (Guest)
24	Yukta Sawant (Guest)	79	Kshitij Jagdale (Guest)
25	Omkar Yadav (Guest)	80	nilesh shivpuje (Guest)
26	Tejaswini survase	81	Nandini Deshmukh (Guest)
27	Sweeti Nemade (Guest)	82	Aishwarya Dubole
28	Priyanka Kokare (Guest)	83	sakshi shinde (Guest)
29	Abhijeet Swami (Guest)	84	Yogesh Pawara (Guest)
30	Manohar Mule (Guest)	85	Atharva Ghogare (Guest)
31	Rutik Annadate (Guest)	86	Prasad Savrikar (Guest)
32	Vishal Yamgar (Guest)	87	Deepak Kumar (Guest)
33	Amit Gaikwad (Guest)	88	Chaitanya Shetgar (Guest)
34	Yogesh Lathkar	89	Pradnya Goswami
35	Pratik Pawar (Guest)	90	Gayatri Pandit (Guest)
36	ishwar Bodake (Guest)	91	Abhishek Birajdar (Guest)
37	Prasad (Guest)	92	Ujwala Deshmukh
38	Amol Rashinkar (Guest)	93	rahul patil 67 (Guest)
39	Jyoti Bhokre (Guest)	94	Ganaraj Butle (Guest)
40	Aniket Divekar	95	Palak Varma (Guest)
41	amol (Guest)	96	Pratik Dhulekar (Guest)
42	Pranil Samindre (Guest)	97	Abhishek Pawar (Guest)
43	ANTESH.k 51 (Guest)	98	Kajal Ghule (Guest)
44	Saurabh Wagh (Guest)	99	Aishwarya Jondhale
45	Ajinkya Avaghade (Guest)	100	Yashashree Patil
46	Prasad Gawade (Guest)	101	Shreyash Bhovate
47	Anand (Guest)	102	Sanjay Tarul
48	Kankshini Mendke	103	Balaji Biradar (Guest)
49	Abhishek Avhad (Guest)	104	Yash Suryawanshi (Guest)
50	AMOL Radhesham Rashinkar (Guest)	105	Aman (Guest)
51	Neeraj Arun Gangurde	106	Aditya Kulkarni (Guest)
52	Sangram Chandrakant Patil	107	SHUBHAM BHANUSE (Guest)
53	Siddhant Khindre (Guest)	108	live:.cid.35ae254cd5c4a425
54	Mohit Chavhan (Guest)	109	Swaraj Kadam (Guest)
55	shweta khadse (Guest)	110	Prathamesh Gaikwad (Guest)

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING LAVALE, PUNE – 412115

DEPARTMENT OF MECHANICAL ENGINEERING

DATE:- 21/09/2020

All students and faculties of BVCOE, Lavale are hereby informed that webinar on "TOTAL MIND-BODY HEALTHY HABITS TRANSFORMATION" is scheduled at 10:30 on 26th September 2020. All students and faculties are requested to attend the same..

Following are the details of webinar:

1. Topic: - Total Mind-Body Healthy Habits Transformation
2. Time:- 10.30 am.
3. Mode of conduction: - Online on Microsoft Teams.

HOD
Mech. Engg. Dept
BVCOEL, Pune

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING , LAVALE , PUNE

INVITES YOU FOR AN INTERNATIONAL WEBINAR

TOTAL MIND-BODY HEALTHY HABITS TRANSFORMATION



ROWENA LUBO

- FORMER AEROSPACE DESIGNER NASA USA, SPACE EXPLORATION PROGRAMS
- CERTIFIED TRANSFORMATIONAL HEALTH ENGINEER COACH

Saturday, September 26th |10:30 AM IST

Join Us Microsoft Teams :: https://tinyurl.com/y39nyyjg

Prof.A.M.Pasarkar	Prof.S.R.Patil	Dr.R.N.Patil
Faculty Co-Ordinator	HOD Mechanical	Principal,BVCOEL

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

BHARATI VIDYAPEETH'S

COLLEGE OF ENGINEERING

LAVALE, PUNE-412115

Department of Mechanical Engineering

Total Mind Body Healthy Habits Transformation

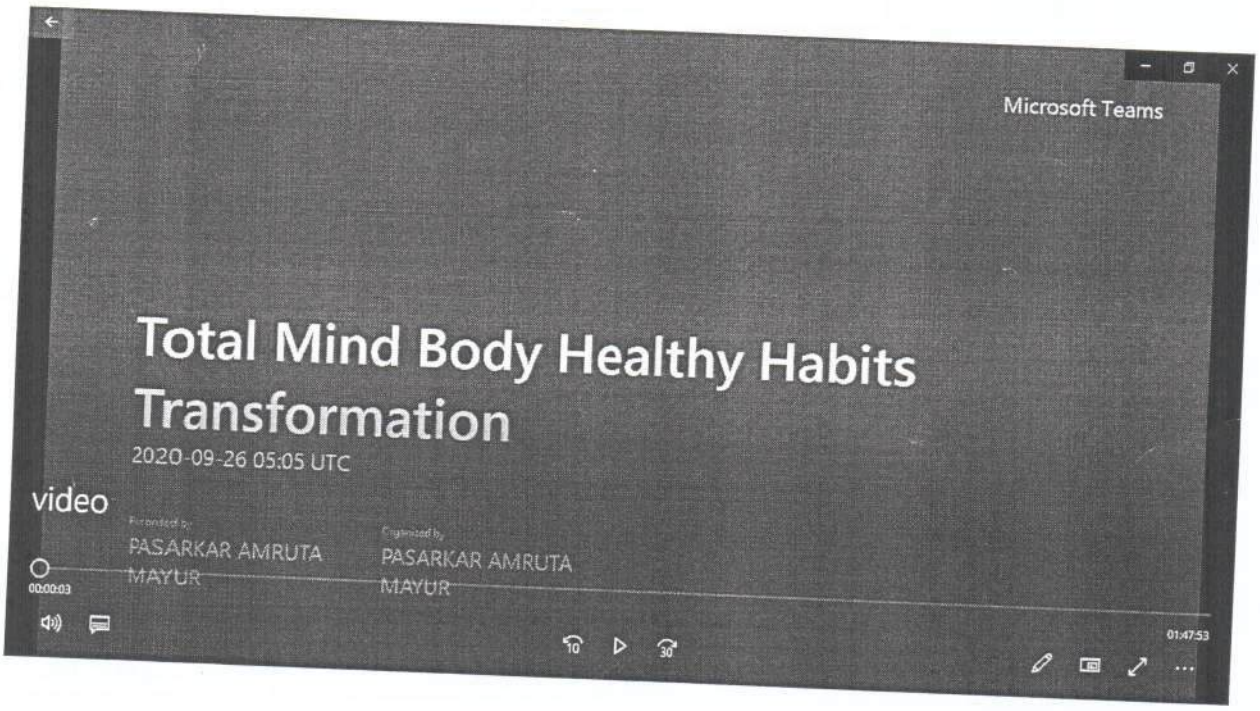
Webinar Report

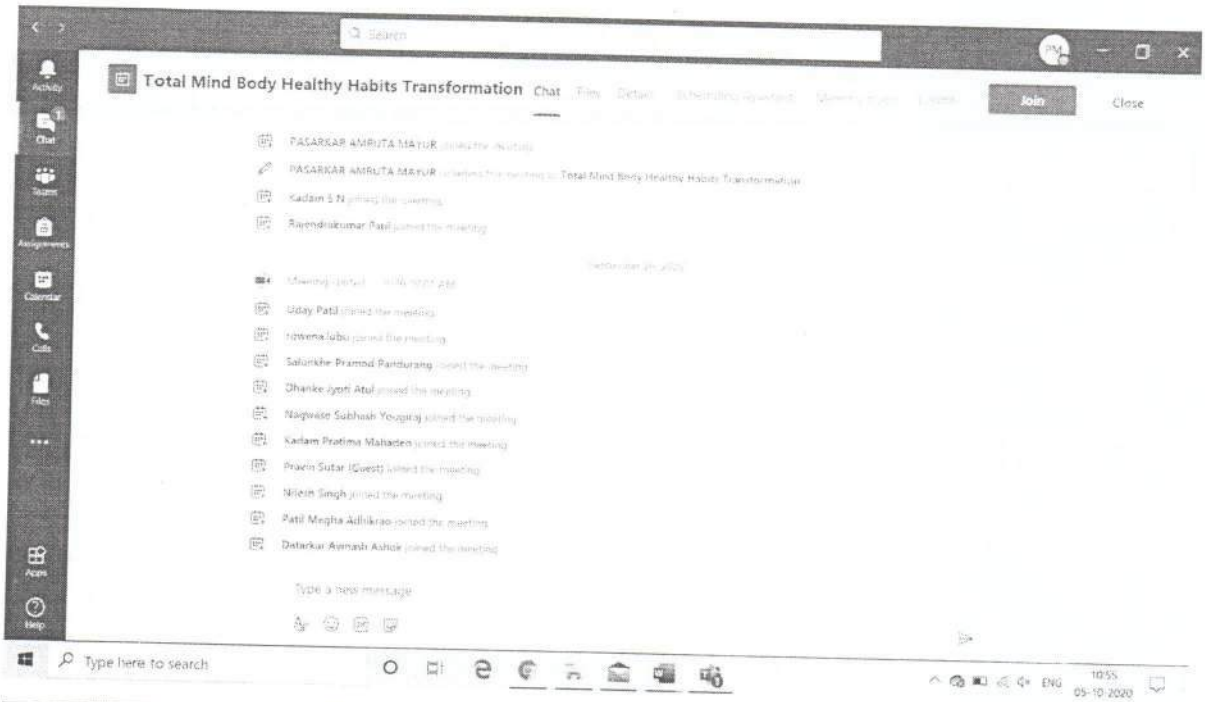
Department of Mechanical engineering organized an International Webinar on **"Total Mind Body Healthy Habits Transformation"** by**Ms Rowena Luboon 26September 2020** from 10:30 am to 12:15 pm for all students and faculties.The webinar was taken on Microsoft teams.There were around 90 participants

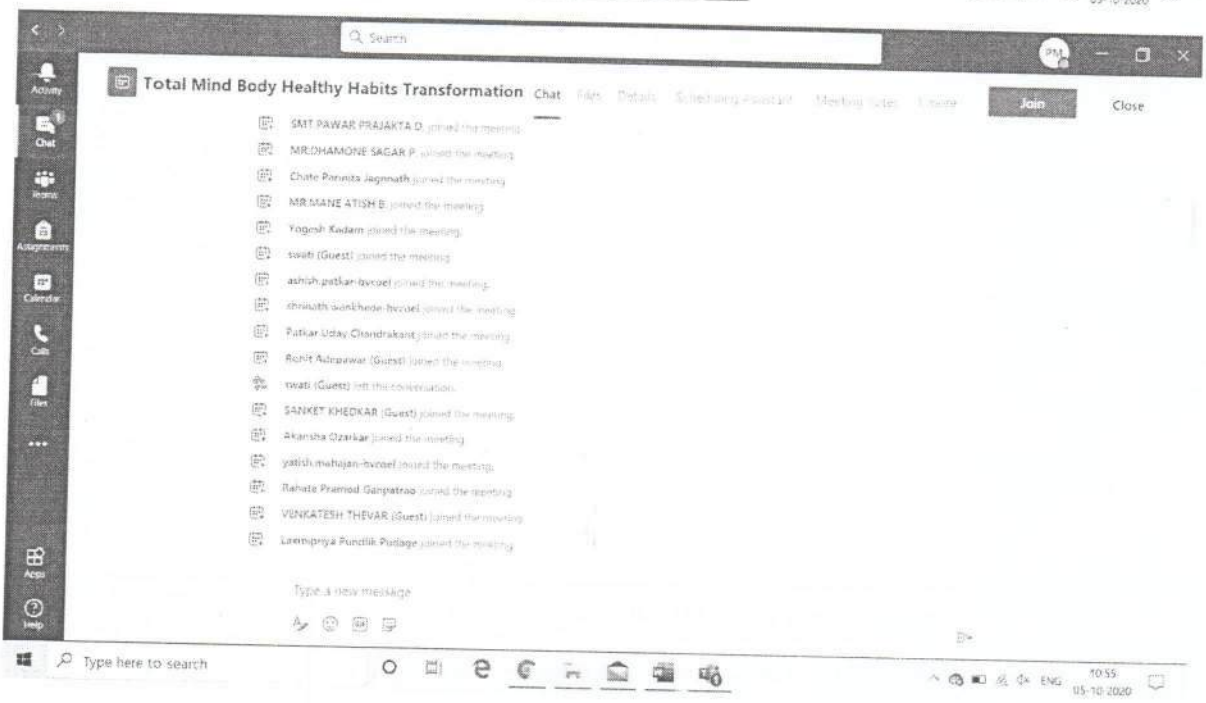
Ms Rowena Lubo, Former Aerospace Designer (Space Exploration Programs), NASA, USA and Certified Transformational Health Health Engineer Coach

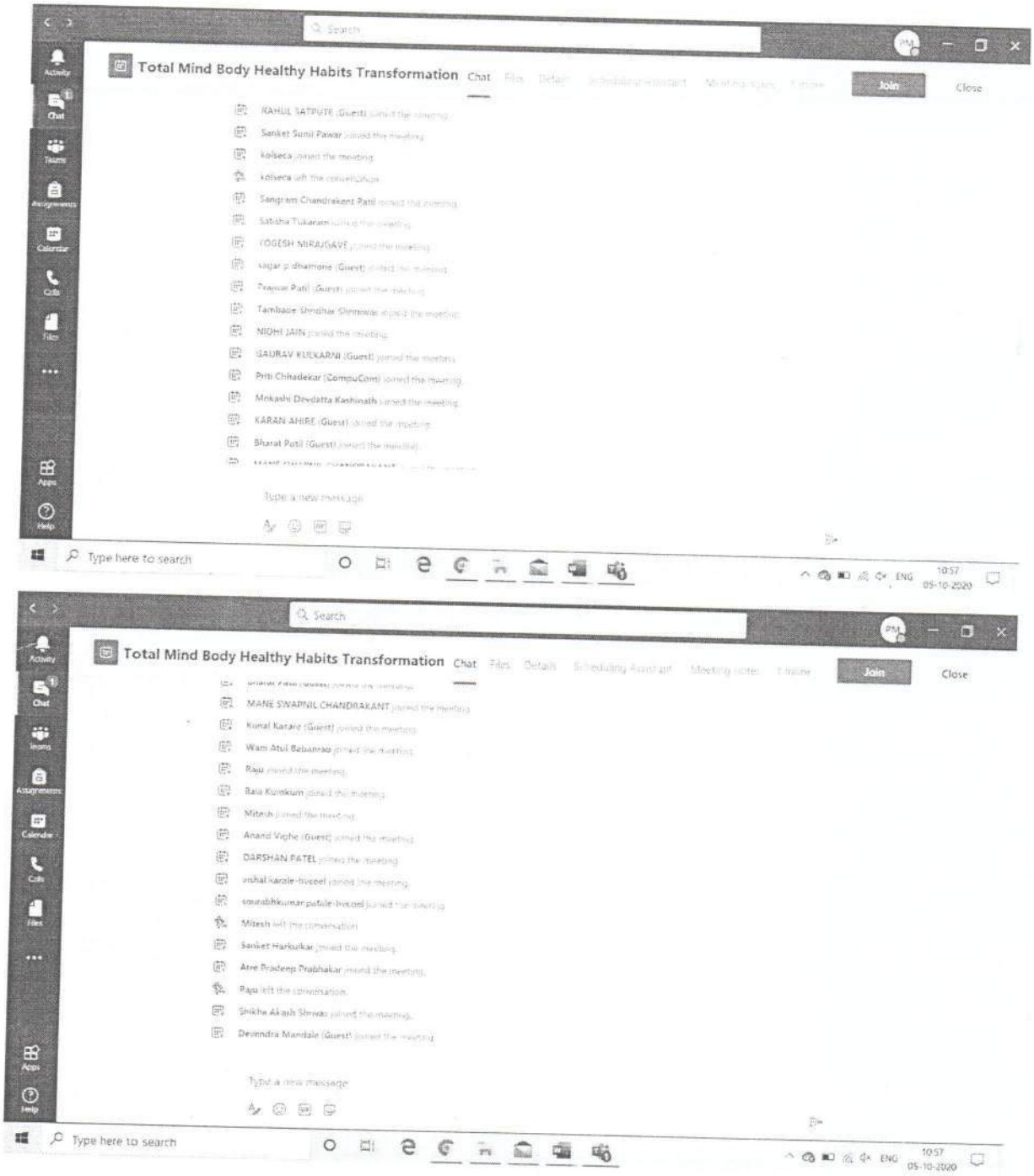
She works with Technology and Engineering Leaders and Professionals Master Their Health While Still Building A Thriving Career. Double Their Energy, Improve Their Digestive Health, Learn How To Appreciate In Slowing Down, Eliminate Negative Self-Talk at Work and at Home, Chronic Food Cravings like Sugar, Sustain Their Ideal Weight Longer And Still Feel Good About Themselves.

Health Specialist: Stress Management, Energy Management, Brain & Mood Health, Growth Mindsets, Weight Gain, Emotional Eating, Digestive Health

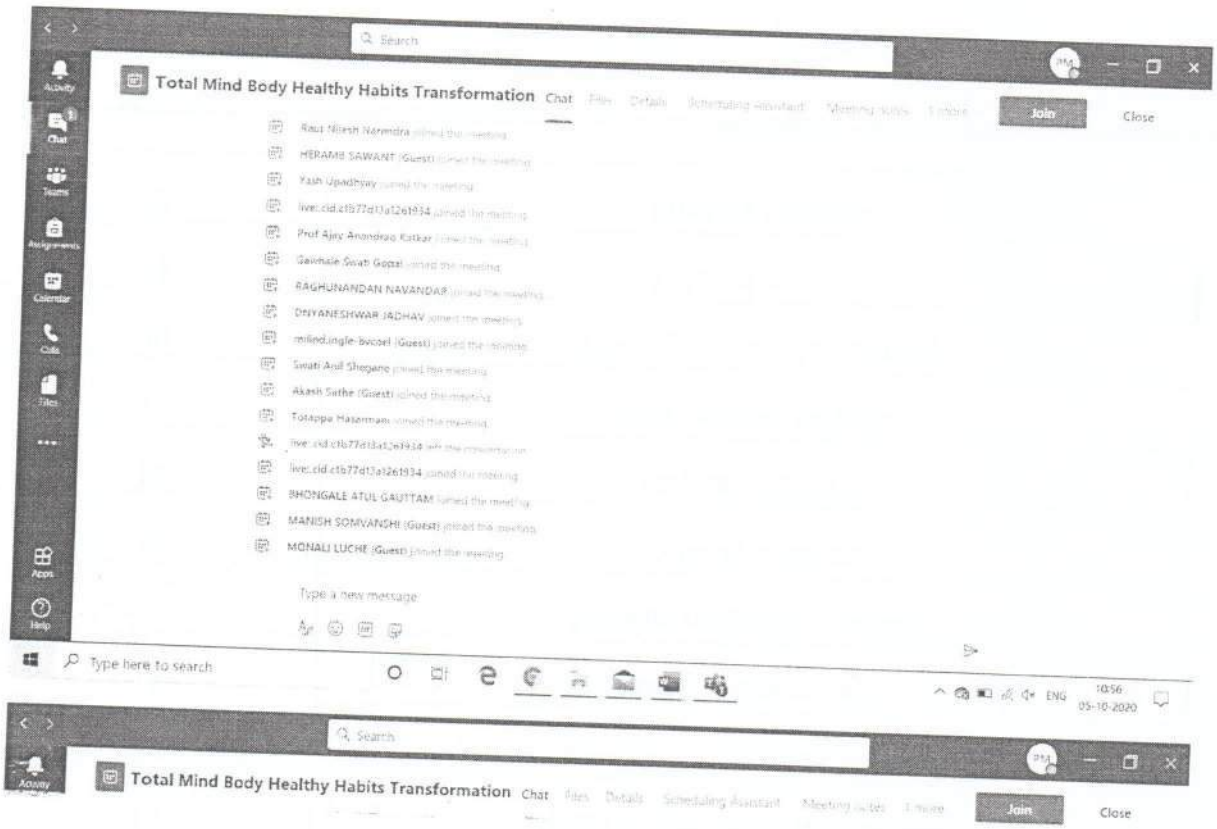



Search
Total Mind Body Healthy Habits Transformation
Chat
Join
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Type a new message
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ENG
10:55
05-10-2020


Search
Total Mind Body Healthy Habits Transformation
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10:55
05-10-2020


Search
Total Mind Body Healthy Habits Transformation
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Scheduling Assistant
Meeting notes
Tasks
Join
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RAHUL SATPUTE (Guest) joined the meeting.
Sanket Sunil Pawar joined the meeting.
kolseca joined the meeting.
kolseca left the conversation.
Sangram Chandrakant Patil joined the meeting.
Satisha Tukaram joined the meeting.
YOGESH MIRAJGAVE joined the meeting.
sagar p dhamane (Guest) joined the meeting.
Pravin Patil (Guest) joined the meeting.
Tambade Shridhar Shriniwas joined the meeting.
NIDHI JAIN joined the meeting.
GAURAV KULKARNI (Guest) joined the meeting.
Priti Chhadekar (CompuCom) joined the meeting.
Mokashi Devdatta Kashinath joined the meeting.
KARAN AHIRE (Guest) joined the meeting.
Bharat Patil (Guest) joined the meeting.
Type a new message
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05-10-2020

Search
Total Mind Body Healthy Habits Transformation
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Scheduling Assistant
Meeting notes
Tasks
Join
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MANE SWAPNIL CHANDRAKANT joined the meeting.
Kunal Karare (Guest) joined the meeting.
Wani Atul Babanrao joined the meeting.
Raju joined the meeting.
Bala Kumkum joined the meeting.
Mitesh joined the meeting.
Anand Vighe (Guest) joined the meeting.
DARSHAN PATEL joined the meeting.
vishal.karale-hvcoel joined the meeting.
sourabhkumar.patole-hvcoel joined the meeting.
Mitesh left the conversation.
Sanket Harkulkar joined the meeting.
Atre Pradeep Prabhakar joined the meeting.
Raju left the conversation.
Shikhe Akash Shriva joined the meeting.
Devendra Mandale (Guest) joined the meeting.
Type a new message
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10:57
05-10-2020



H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, LAVALE, PUNE

DEPARTMENT OF COMPUTER ENGINEERING

10 February 2020

EXPERT LECTURE
ON
" INNOVATIVE IDEAS & PATENTS "

Prof.PRAJAKTA PAWAR

Event Co-ordinator

Dept. of Computer Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

Prof.U.C.PATKAR

H.O.D
Head
Dept. of Computer Engineering,
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

Head
Dept. of Computer Engineering,
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING LAVALE, PUNE

DEPARTMENT OF COMPUTER ENGINEERING

EXPERT LECTURE REPORT

ON

" INNOVATIVE IDEAS & PATENTS "

The Department of Computer Engineering, Bharati Vidyapeeth's College of Engineering Lavale, Pune, aims to ignite creative thinking in the students. The department hopes to achieve this by conducting stimulating guest lectures, workshops and interactive sessions with eminent personalities and experts from various domains.

Department of Computer Engineering organized expert lecture on "How to think on innovative ideas & convert them in to patents" to encourage and motivate students to think on new ideas and inherit some valuable knowledge from the guest of the event. The event was scheduled on 10th February 2020 at 2:30 p.m. in the Computer Seminar Hall. The event started with Saraswati Pooja and lamp lighting by the guests of the event Dr.B.K.Sarkar, Prof N.D.Kale, Ms.Nishi Sharma, Prof. U. S. Patil and Prof. Uday Patkar. The guest of honor was warmly welcomed and Felicitated by Prof. Uday Patkar (Head, Department of Computer Engineering).

The speaker of the expert lecture Dr.B.K.Sarkar is founder at GIH Research LLP and Project Director at TCS-WI Pune. He has filed 386 patents out of which 175 patents are published and 89 patents have received grant. He has conducted more than 100 programs on IPR and Patents. His session was aimed at developing an innovative attitude among the students by motivating them towards patent filling.

Around 90 students from the department, including the department faculty members participated enthusiastically in the program. The session was enthralling and the seeds for an intellect towards innovation were sown deep into the minds of our budding students. All faculty members and non- teaching staff gave their valuable time in arranging and motivating students to attend this event. The session concluded on a very high note with a Q&A that saw very active participation, of not only the students but the faculty members as well.

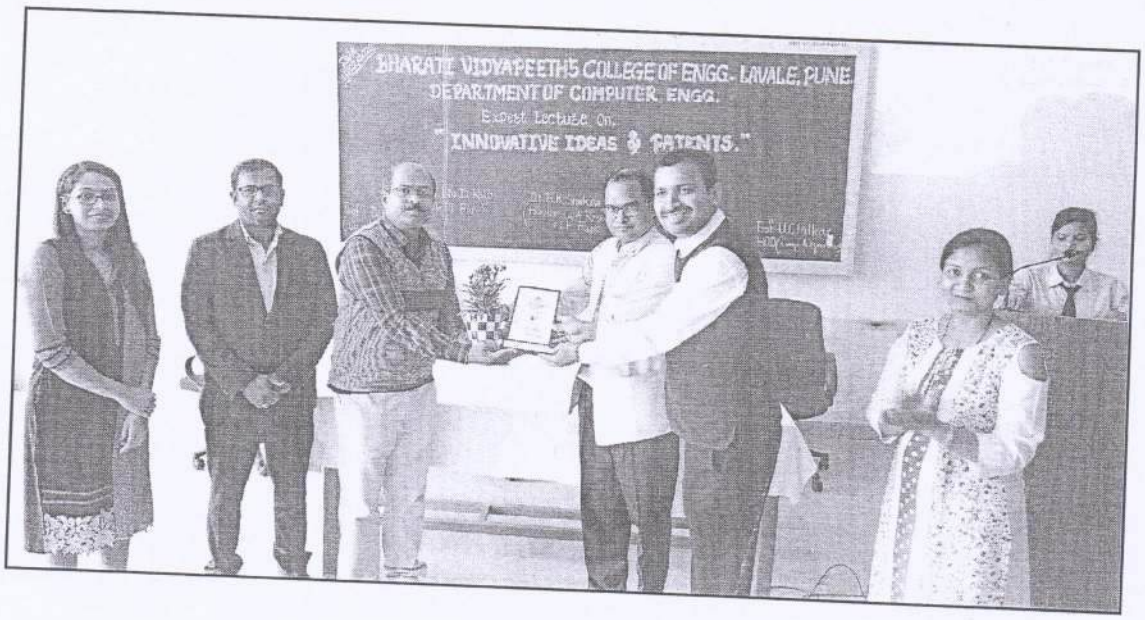
This event was well organized by the department of Computer Engineering and co-ordinated by Prof.Prajakta Pawar along with the immense support of our HOD, Prof. Uday Patkar Sir. Overall the event was a grand success. The knowledge of the guest speaker in all the given aspects was beyond expectations.

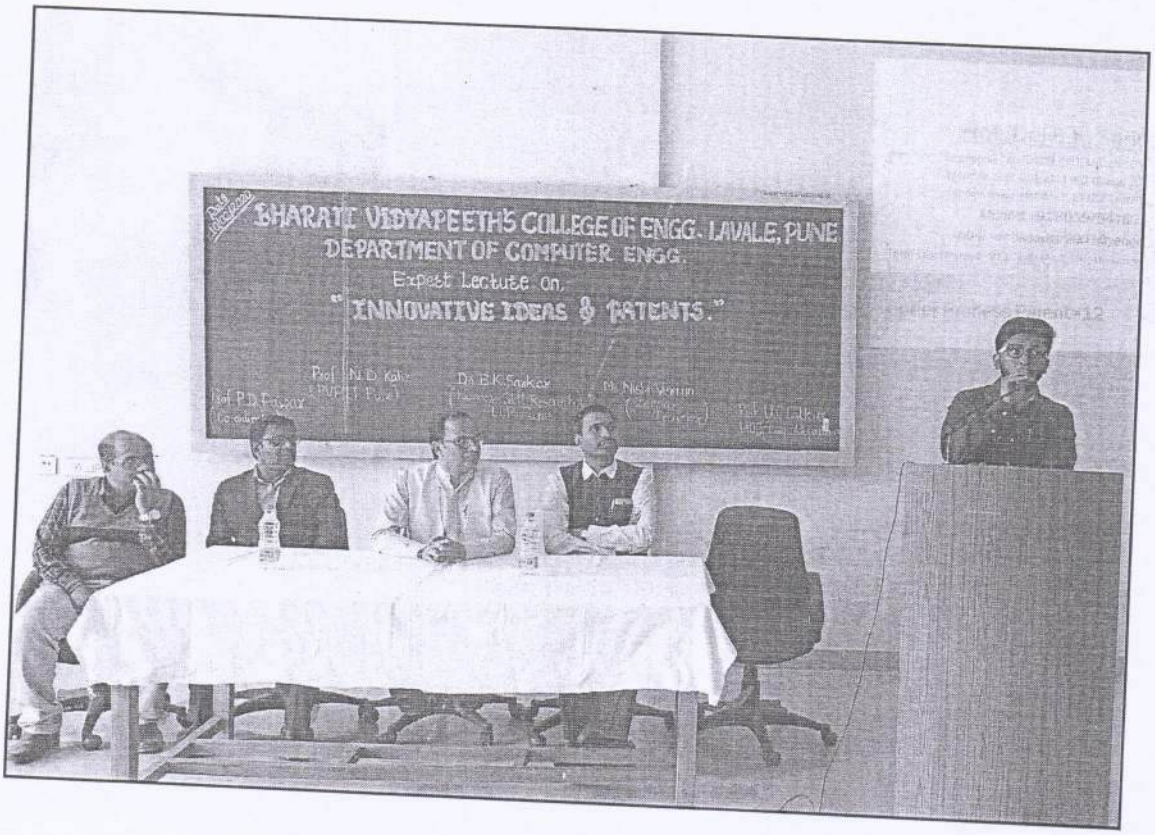
PHOTO GALLERY



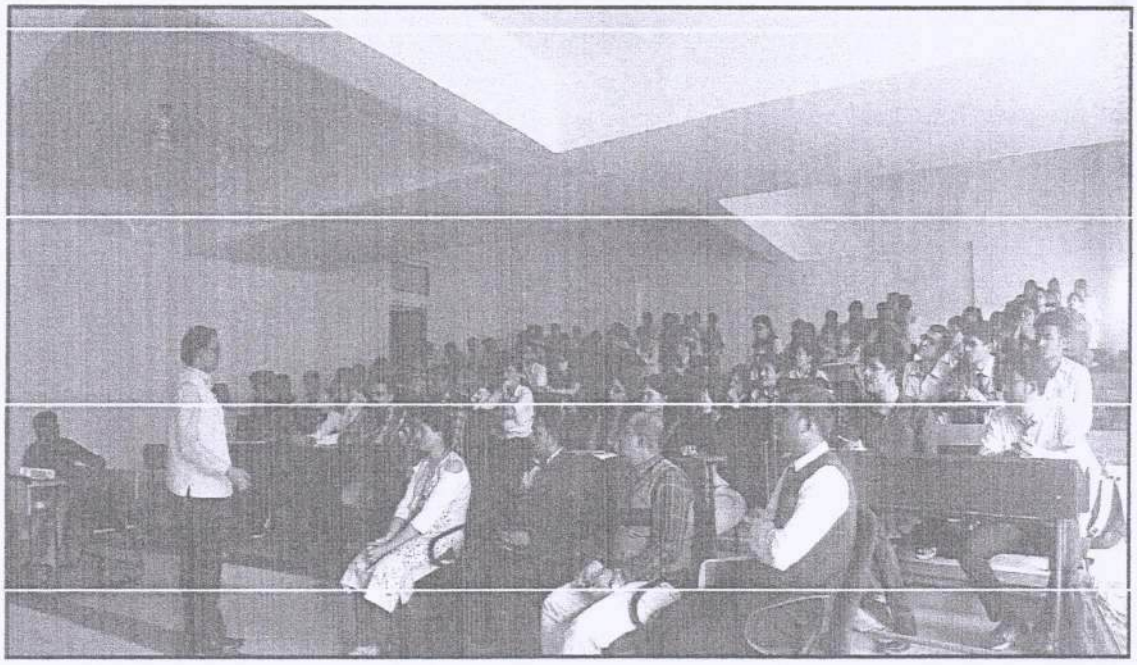


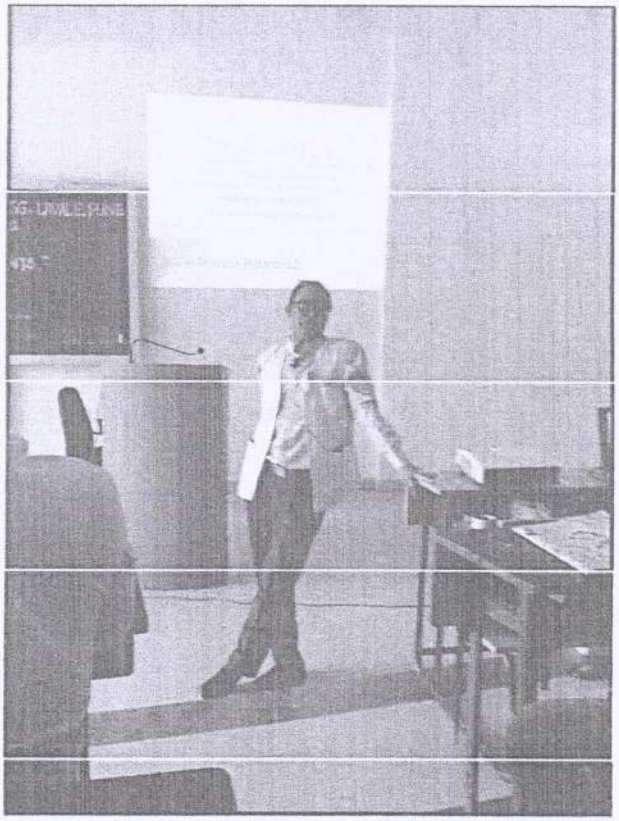


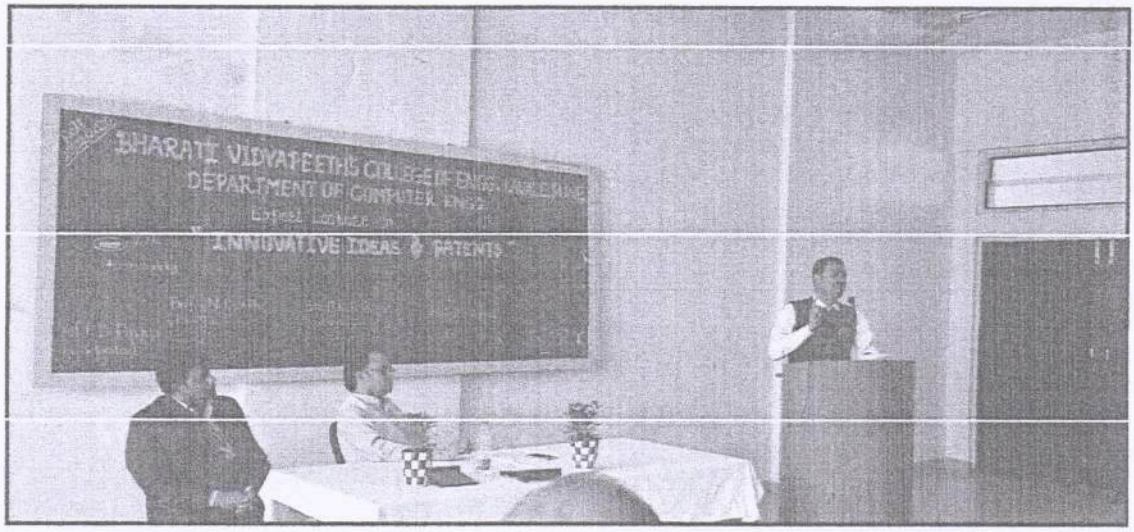

BHARATI VIDYAPEETH'S COLLEGE OF ENGG. LAVALE, PUNE
DEPARTMENT OF COMPUTER ENGG.
Expert Lecture On,
"INNOVATIVE IDEAS & PATENTS."


BHARATI VIDYAPEETH'S COLLEGE OF ENGG. LAVALE, PUNE
DEPARTMENT OF COMPUTER ENGG.
Expert Lecture On,
"INNOVATIVE IDEAS & PATENTS."


BHARATI VIDYAPEETH'S COLLEGE OF ENGG. LAVALE, PUNE
DEPARTMENT OF COMPUTER ENGG.
Expert Lecture on
INNOVATIVE IDEAS & PATENTS.







Prof.Prajakta Pawar
Subject Incharge
Dept. of Computer Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

Prof.U.C.Patkar
HOD
Head
Dept. of Computer Engineering,
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

Dept. of Computer Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

BharatiVidyapeeth College of Engineering

Lavale, Pune- 412 115, Maharashtra State.
Phone: (020) 6500 3345, Website: bvcoe.bharatividyapeeth.edu

Department of Computer Engineering

Ref. No: BV/COEL/comp/2020-295 Date: 05/02/2020

To,

The Principal,
BharatiVidyapeeth's College of Engineering,
Lavale,Pune.

Subject: Regarding permission and sanction of the budget for conduction of expert lecture in the department of Computer Engineering .

Respected Sir,

We the department of Computer Engineering faculty willing to organize the Expert lecture on **"How to think on innovative ideas & convert them into patents"** to be scheduled on **10th February 2020** at 2:30pm. We are planning to invite **Dr.B.K.Sarkar** to motivate and guide the students about patents. For organizing this event, we will need the mentioned facilities and requirements from the college.

Sr.no.	Date	Name of the Items/Facility	Quantity/Amount
1.	10/2/2020	Guest Remuneration	Rs.2,000
		Breakfast	Rs.200
		Bouquet	Rs.200
		TOTAL	**Rs.2,400**
2.	10/02/2020	Mike System(From J.D.Chavan sir)	

Request you to grant us the permission for the same.

Thank You.

Permitted
R.Patil
5.2.2020

5/2/2020

HOD
Department of Computer Engineering

Head
Dept. of Computer Engineering
Bharati Vidyapeeth's
College of Engineering
Lavale, Pune - 412 115.

Head
Dept. of Computer Engineering
Bharati Vidyapeeth's
College of Engineering
Lavale, Pune - 412 115

BharatiVidyapeeth College of Engineering
Lavale, Pune- 412 115, Maharashtra State.
Phone: (020) 6500 3345, Website: bvcoe.bharatividyapeeth.edu
Department of Computer Engineering

Ref. No: BV/COEL/comp/2019-292

Date: 05/02/2020

NOTICE

Expert Lecture on Innovative Ideas & Patents

All the students of Department of Computer Engineering, BVCOEL Pune are hereby informed that Expert lecture on topic **"How to think on innovative ideas & convert them into patents"** is scheduled on **10th February 2020** from 2:30 pm to 4:30 pm. The Guest of honor for this program is **Dr.B.K.Sarkar.** All students should report in Seminar Hall, Department of Computer Engineering sharp at at 2:30 pm.

Venue: Seminar Hall, Department of Computer Engineering.

5/2/2020

HOD
Department of Computer Engineering

Head
Dept. of Computer Engineering,
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

Head
Dept. of Computer Engineering,
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

BharatiVidyapeeth College of Engineering
Lavale, Pune- 412 115, Maharashtra State.
Phone: (020) 6500 3345, Website: bvcoe.bharatividyapeeth.edu
Department of Computer Engineering

Ref. No: BV/COEL/comp/2019-292 Date: 05/02/2020

NOTICE

Expert Lecture on Innovative Ideas & Patents

All the students of Department of Computer Engineering, BVCOEL Pune are hereby informed that Expert lecture on topic **"How to think on innovative ideas & convert them into patents"** is scheduled on **10th February 2020** from 2:30 pm to 4:30 pm. The Guest of honor for this program is **Dr.B.K.Sarkar.** All students should report in Seminar Hall, Department of Computer Engineering sharp at at 2:30 pm.

Venue: Seminar Hall, Department of Computer Engineering.

5/2/2020

HOD
Department of Computer Engineering

Head
Dept. of Computer Engineering,
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

Head
Dept. of Computer Engineering,
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

BharatiVidyapeeth College of Engineering

Lavale, Pune- 412 115, Maharashtra State.
Phone: (020) 6500 3345, Website: bvcoe.bharatividyapeeth.edu

Department of Computer Engineering

Ref. No: BV/COEL/COMP/2020/295 **Date: 07/02/2020**

To,

Prof.Dr.B.K.Sarkar
Founder, Project Director
TCS WI /GEH Research LLP Pune.

Subject: - Invitation for Expert Lecture Conduction on topic "How to think on Innovative ideas and Convert them into patents" at B.V.C.O.E.L.

Respected Sir,

It gives us immense pleasure to Invite you in the Department of Computer Engineering Bharati Vidyapeeth's College of Engineering Lavale, Pune as a Resource Person to conduct the Expert Lecture on topic **"How to think on innovative ideas and convert them into patents"** on **10/2/2020** from **2.30p.m. to 4.30p.m.** for SE, TE & BE students.

We kindly request you to accept our invitation and enlight the Session.

Thanking you in anticipation.

Best Regards ,

7/2/2020

Prof.U.C.Patkar
H.O.D.Computer Department
BVCOE Lavale

Head
Dept. of Computer Engineering
Bharati Vidyapeeth's
College of Engineering
Lavale, Pune - 412 115

Head
Dept. of Computer Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

BharatiVidyapeeth College of Engineering

Lavale, Pune- 412 115, Maharashtra State.
Phone: (020) 6500 3345, Website: bvcoe.bharatividyapeeth.edu

Department of Computer Engineering

Ref. No: BV/COEL/comp/2019-292 **Date: 05/02/2020**

NOTICE

Expert Lecture on Innovative Ideas & Patents

All the students of Department of Computer Engineering, BVCOEL Pune are hereby informed that Expert lecture on topic **"How to think on innovative ideas & convert them into patents"** is scheduled on **10th February 2020** from 2:30 pm to 4:30 pm. The Guest of honor for this program is **Dr.B.K.Sarkar.** All students should report in Seminar Hall, Department of Computer Engineering sharp at at 2:30 pm.

Venue: Seminar Hall, Department of Computer Engineering.

5/2/2020

HOD
Department of Computer Engineering

Head
Dept. of Computer Engineering,
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

Dept. of Computer Engineering,
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

BharatiVidyapeeth College of Engineering

Lavale, Pune- 412 115, Maharashtra State.
Phone: (020) 6500 3345, Website: bvcoe.bharatividyapeeth.edu

Department of Computer Engineering

Ref. No: BV/COEL/COMP/2020-293 **Date: 05/02/2020**

To,

The Principal,
BharatiVidyapeeth's College of Engineering,
Lavale,Pune.

Subject: Regarding permission and sanction of the budget for conduction of expert lecture in the department of Computer Engineering .

Respected Sir,

We the department of Computer Engineering faculty willing to organize the Expert lecture on **"How to think on innovative ideas & convert them into patents"** to be scheduled on **10th February 2020** at 2:30pm. We are planning to invite **Dr.B.K.Sarkar** to motivate and guide the students about patents. For organizing this event, we will need the mentioned facilities and requirements from the college.

Sr.no.	Date	Name of the Items/Facility	Quantity/Amount
1.	10/2/2020	Guest Remuneration	Rs.2,000
		Breakfast	Rs.200
		Bouquet	Rs.200
		TOTAL	**Rs.2,400**
2.	10/02/2020	Mike System(From J.D.Chavan sir)	

Request you to grant us the permission for the same.

Thank You.

Permitted
R.N.Patil
5.2.2020

5/2/2020

HOD
Department of Computer Engineering

Head
Dept. of Computer Engineering,
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

Head
Dept. of Computer Engineering,
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

BharatiVidyapeeth College of Engineering

Lavale, Pune- 412 115, Maharashtra State.
Phone: (020) 6500 3345, Website: bvcoe.bharatividyapeeth.edu

Department of Computer Engineering

Ref. No: BV/COEL/comp/2020-213 **Date: 05/02/2020**

To,

The Principal,
BharatiVidyapeeth's College of Engineering,
Lavale,Pune.

Subject: Regarding permission and sanction of the budget for conduction of expert lecture in the department of Computer Engineering .

Respected Sir,

We the department of Computer Engineering faculty willing to organize the Expert lecture on **"How to think on innovative ideas & convert them into patents"** to be scheduled on **10th February 2020** at 2:30pm. We are planning to invite **Dr.B.K.Sarkar** to motivate and guide the students about patents. For organizing this event, we will need the mentioned facilities and requirements from the college.

Sr.no.	Date	Name of the Items/Facility	Quantity/Amount
1.	10/2/2020	Guest Remuneration	Rs.2,000
		Breakfast	Rs.200
		Bouquet	Rs.200
		TOTAL	**Rs.2,400**
2.	10/02/2020	Mike System(From J.D.Chavan sir)	

Request you to grant us the permission for the same.

Thank You.

Permitted
RNPatil
5.2.2020

5/2/2020.

HOD
Department of Computer Engineering

Head
Dept. of Computer Engineering,
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

07/02/2020

Head
Dept. of Computer Engineering,
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

BharatiVidyapeeth College of Engineering

Lavale, Pune- 412 115, Maharashtra State.
Phone: (020) 6500 3345, Website: bvcoe.bharatividyapeeth.edu

Department of Computer Engineering

Ref. No: BV/COEL/ Comp/2020/295 B **Date: 10/02/2020**

To,

Prof.N.D.Kale
Dept.of Computer Engg.
P.V.P.I.T , Bavdhan, Pune.

Subject:- Conduction of Expert Lecture on Topic "How to think on Innovative ideas and Convert them into patents" at B.V.C.O.E.L.

Respected Sir,

Greetings! On behalf of Bharati Vidyapeeth's College of Engineering, Lavale, we wish to thank you for the invaluable contribution you made for the Expert Lecture on topic **"How to think on Innovative ideas and Convert them into patents"** on **10/2/2020** from **2.30 p.m. to 4.30p.m.** for **S.E., T.E** & **B.E.** Students.

The session was a great success as per the feedback received by the students.The students got exposure about the Innovative idea in the field of Computer Science and the short trick to convert them into Patent.

We appreciate the time you took out of your busy schedule to join us and thank you for sharing your insights and expertise with our attendees. Your willingness to volunteer your time, energy and support is greatly appreciated. We also hope to have your association with us in future.

Thanking you in anticipation.

Best Regards ,

10/2/2020

Prof.U.C.Patkar
H.O.D.Computer Department
BVCOELavale

Head
Dept. of Computer Engineering,
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

BharatiVidyapeeth College of Engineering

Lavale, Pune- 412 115, Maharashtra State.
Phone: (020) 6500 3345, Website: bvcoe.bharatividyapeeth.edu

Department of Computer Engineering

Ref. No: BV/COEL/CompP/2020/295A **Date: 10/02/2020**

To,

Prof.Dr.B.K.Sarkar
Founder, Project Director
TCS WI/GEH Research LLP Pune.

Subject:- Conduction of Expert Lecture on Topic "How to think on Innovative ideas and Convert them into patents" at B.V.C.O.E.L.

Respected Sir,

Greetings! On behalf of Bharati Vidyapeeth's College of Engineering, Lavale, we wish to thank you for the invaluable contribution you made for the Expert Lecture on topic **"How to think on Innovative ideas and Convert them into patents"** on **10/2/2020** from **2.30 p.m. to 4.30p.m.** for **S.E., T.E** & **B.E.** Students.

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Thanking you in anticipation.

Best Regards ,

10/2/2020
Prof.U.C.Patkar
H.O.D.Computer Department
BVCOELavale

Head
Dept. of Computer Engineering,
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

Head
Dept. of Computer Engineering,
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

कीर्द पा. नं.

पावती नंबर

भारती विद्यापीठ
ग्रुप ऑफ इन्स्टिट्यूट, टेक्निकल कॅम्पस
कॉलेज ऑफ इंजिनिअरिंग, लवळे
ता. पुरंदर, जि. पुणे

खर्चाची पावती

मा. प्राचार्य, कॉलेज ऑफ इंजिनिअरिंग, लवळे यांना,

पावती लिहून देणार सौ./श्री. Dr. B. K. Sarkar पत्ता Pune

खाते

दिनांक 10 / 02 / २०20

तपशील	रुपये	पैसे
Remuneration for conduction of expert lecture at department of computer engg.	2000	00
एकूण अक्षरी रुपये Two thousand only	फक्त 2000	00

वरील तपशीलाप्रमाणे रक्कम रोख / चेकने मिळाली, आभारी आहोत. चेक नंबर बँक

RVPatil
प्राचार्य

अकौंटंट

सही BKSarkar 10/02/20

कीर्द पा. न.

पावती नंबर

भारती विद्यापीठ

ग्रुप ऑफ इन्स्टिट्यूट, टेक्निकल कॅम्पस

कॉलेज ऑफ इंजिनिअरिंग, लवळे

ता. मुळशी, जि. पुणे

खर्चाची पावती

मा. प्राचार्य, कॉलेज ऑफ इंजिनिअरिंग, लवळे यांना,

पावती लिहून देणार सौ./श्री. Prajakta D. Pawar. पत्ता Pune

खाते

दिनांक 10/02/2020

तपशील	रुपये	पैसे
Plants (2) @ Flowers (for guest(expert) lecture programme)	270	00
एकूण अक्षरी रुपये Two hundred & seventy only फक्त	270	00

वरील तपशीलाप्रमाणे रक्कम रोख / चेकने मिळाली, आभारी आहोत. चेक नंबर बँक

R Patil

प्राचार्य

अकौंटंट

सही Pawar 10/02/2020

कीर्द पा. नं.

पावती नंबर

भारती विद्यापीठ

ग्रुप ऑफ इन्स्टिट्यूट, टेक्निकल कॅम्पस

कॉलेज ऑफ इंजिनिअरिंग, लवळे

ता. मुळशी, जि. पुणे

खर्चाची पावती

मा. प्राचार्य, कॉलेज ऑफ इंजिनिअरिंग, लवळे यांना,

पावती लिहून देणार सौ./श्री. Dr. B. K. Sarkar पत्ता Pune

खाते

दिनांक 10 / 02 / 2020

तपशील	रुपये	पैसे
Remuneration for conduction of expert lecture at department of computer engg.	2000	00
एकूण अक्षरी रुपये Two thousand only — फक्त	2000	00

वरील तपशीलाप्रमाणे रक्कम रोख / चेकने मिळाली, आभारी आहोत. चेक नंबर — बँक

RNPatil

प्राचार्य

अकौंटंट

सही BKSarkar 10/02/20

कीर्द पा. नं.

पावती नंबर

भारती विद्यापीठ

ग्रुप ऑफ इन्स्टिट्यूट, टेक्निकल कॅम्पस

कॉलेज ऑफ इंजिनिअरिंग, लवळे

ता. मुळशी, जि. पुणे

खर्चाची पावती

मा. प्राचार्य, कॉलेज ऑफ इंजिनिअरिंग, लवळे यांना,

पावती लिहून देणार सौ./श्री. Prajakta D. Pawar. पत्ता Pune

खाते

दिनांक 10 / 02 / 2020

तपशील	रुपये	पैसे
Plants (2) & Flowers (for guest(expert) lecture program)	270	00
एकूण अक्षरी रुपये Two hundred & seventy only — फक्त	270	00

वरील तपशीलाप्रमाणे रक्कम रोख / चेकने मिळाली, आभारी आहोत. चेक नंबर — बँक

RNPatil

प्राचार्य

अकौंटंट

सही 10/02/2020

BHARATI VIDYAPEETH's

COLLEGE OF ENGINEERING, LAVALE, PUNE - 412 115

Class : _____ Lecture No. : _____

Date : 10/02/2020 Week : _____

Subject : Expert lecture on Innovative Ideas and Patents Name of the Faculty Member : _____

STUDENTS ATTENDANCE SHEET

~~Lecture No.~~	SE	TE	BE		Roll No.	Signature	Signature	Signature	Signature
Date					40				
Time					41				
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1					43				
2					44				
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BE Civil

BHARATI VIDYAPEETH's

COLLEGE OF ENGINEERING, LAVALE, PUNE - 412 115

Class : Room No. -115 Lecture No. : Guest Lecture.

Date : 28-9-22 Week :

Subject : Guest Lecture Name of the Faculty Member : Er. Subhash Pathak

STUDENTS ATTENDANCE SHEET

Lecture No.					Roll No.	Signature	Signature	Signature	Signature
Date	28-9-22				40				
Time	10-12am				41				
Roll No.	Signature	Signature	Signature	Signature	42				
1					43				
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H.O.D.
Dept. of Civil Engineering

TE Civil

BHARATI VIDYAPEETH's

COLLEGE OF ENGINEERING, LAVALE, PUNE - 412 115

Class : Room No.-115 Lecture No. :

Date : 28-09-2022 Week :

Subject : Guest Lecture Name of the Faculty Member : Er. Subhash Pathak Chartered Engineer

STUDENTS ATTENDANCE SHEET

Lecture No.					Roll No.	Signature	Signature	Signature	Signature
Date	28-9-22				40				
Time	10-12 am				41				
Roll No.	Signature	Signature	Signature	Signature	42				
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H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING,
Lavale, Pune. 412115.
(Recognized by DTE, Mumbai. AICTE, New Delhi &
Affiliated to University of Pune – 111)

(Email-civil.bvcoel@gmail.com)

DEPARTMENT OF CIVIL ENGINEERING

ON-LINE LECTURE SERIES ON STRESS MANAGEMENT BY YOGA

Topic : Stress management by Yoga.

Date : 25/03/2023 & 26/03/2023

Class : T.E Civil

Coordinator: Prof.D.K.Mokashi

As per the curriculum of Savitribai Phule Pune University, 3rd year Civil Engineering students are required to study the audit course of ,Leadership and Personality Development. In this curriculum there is a part of Stress mangement .Hence, department of civil engineering arranged On line lecture series on stress mangemnet by Yoga.Total 32 students and 3 faculties attained this online session.

Yoga can help reduce stress because it promotes relaxation, which is the natural opposite of stress. Yoga can benefit three aspects of ourselves that are often affected by stress: our body, mind,eyes and breathing.

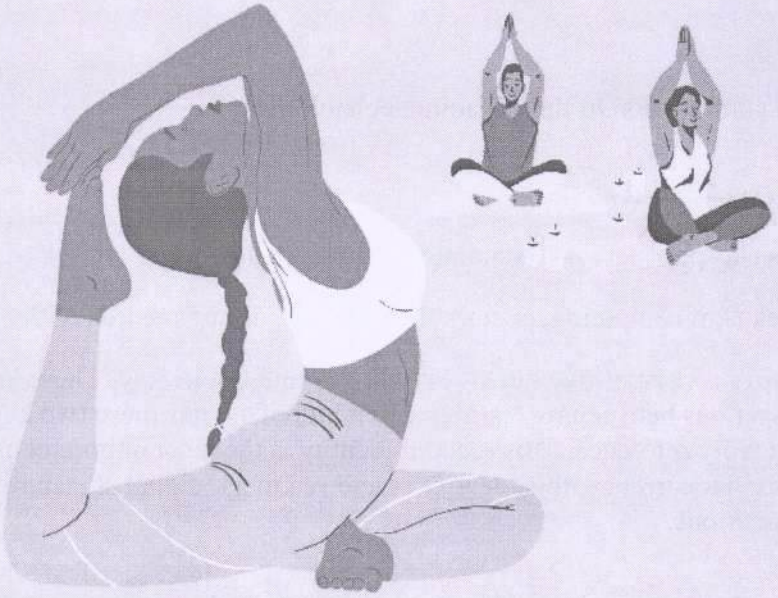
Salient features of the online sessions reported below:

Type of Yoga	Benefits
Kapalbhati pranayama	Kapal Bhati pranayama regularly removes the toxins and increases metabolism. It also cures constipation, acidity, diabetes, Asthma and all kinds of Respiratory troubles.
Surya Namaskar	It improves flexibility, strength, balance, reduces stress and anxiety, reduces symptoms of lower back pain, and improves birth outcomes, and reduces sleep disturbances and hypertension.
Trikonasana Yoga	It helps in reducing blood pressure, stress and anxiety and also improves the functions of the blood through the entire body.
Vajrasana	This yoga asana calms the mind and bring stability in mind, cures constipation, stomach disorder, acidity, and increases digestion process.
Eye – Exercise	This helps to reduce tension in the face and eyes, and help strengthen muscles that help the eyes focus.

Photo Gallery

Bharati Vidyapeeth's college of Engineering Lavale, pune

Department of Civil Engg.&
Yogsadhana yoga centre
organising 2 days online yoga class for stress management



By...Shrutika Ravindra Shelar

Saturday 25/3/23 at 7.30am to 8.00 a
on Sunday 8.00 am to 9.00 am

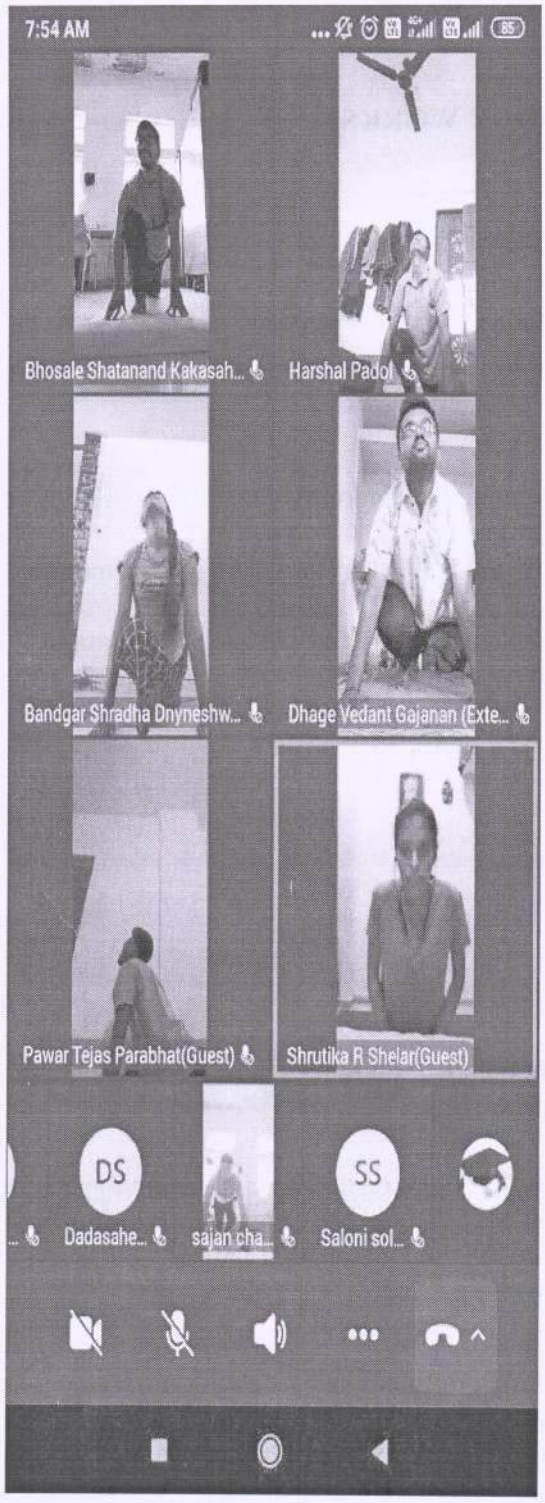
(Saturday & Sunday)

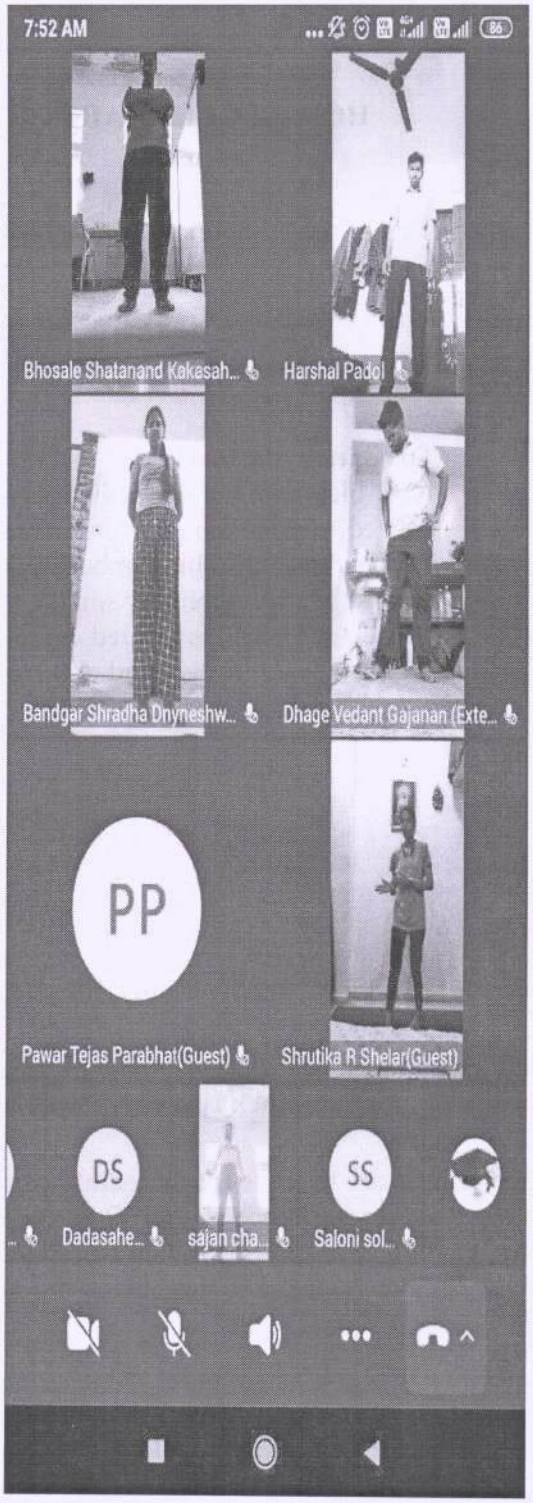
HOD
Dr.U.S.Patil

Principal
Dr.R.N.Patil

Co-ordinater
Prof.D.K.Mokashi

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune





CO-ORDINATOR

H.O.D.

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
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DEPARTMENT OF CIVIL ENGINEERING

BVCOEL/COE/2022-23-197/—

Date: 19/04/2023

All the students of SE, TE and BE are Informed that lecture on 'Geotechnical Engineering like slope stability Permeability and Insitu Properties' will be conducted on 20/04/2023 at 10.30 am in BE civil Class Room.

All the students should attend the lecture.

Dr. U S Patil
HOD

H.O.D
Civil Engineenng
Bharati Vidyapeeth's
College of Engineering Lavale,Pune

Fwd: Approval for delivering a lecture organized by Bharati Vidyapeeth's College of Engineering, Lavale, Pune on 03rd July 2021 (online mode).

Dr. Sanjay A Burele <burelesanjay@cwprs.gov.in>
Mon 7/5/2021 11:57 AM
To:Uday Patil <Uday.Patil@bharatividyapeeth.edu>

1 attachments (1 MB)
Permission letter of Director.pdf;

From: "Scientist 'D' (TC) CWPRS" <cro_tc@cwprs.gov.in>
To: burelesanjay@rediffmail.com, "Dr. Sanjay A Burele" <burelesanjay@cwprs.gov.in>
Cc: "RIZWAN ALI CWPRS PUNE" <rizwan_ali@cwprs.gov.in>, "CAO CAO, ADMIN, CWPRS" <cao@cwprs.gov.in>, financeofficer@cwprs.gov.in, "nkv kumar" <nkv.kumar@cwprs.gov.in>
Sent: Monday, July 5, 2021 11:08:43 AM
Subject: Approval for delivering a lecture organized by Bharati Vidyapeeth's College of Engineering, Lavale, Pune on 03rd July 2021 (online mode).

Dear Dr. S. A. Burele Ji

Please find enclosed approval copy of Director, CWPRS Pune , for delivering lecture on "Geotechnical applications, like slope stability, permeability and insitu properties" under an invitation for expert lecture in Geotechnical Engineering, being organized by Bharati Vidyapeeth's College of Engineering, Lavale, Pune on 03rd July 2021 (online mode).

धन्यवाद |

भवदीय,

एस. जी. मंजुनाथ / S. G. Manjunatha
वैज्ञानिक 'ई' (तकनीकी समन्वय) / Scientist 'E' (Technical Coordination)
भारत सरकार / Government of India
जल शक्ति मंत्रालय / Ministry of Jal Shakti
जल संसाधन, नदी विकास और गंगा संरक्षण विभाग
Department of Water Resources, River Development and Ganga Rejuvenation
केन्द्रीय जल तथा विद्युत अनुसंधान शाला
CENTRAL WATER AND POWER RESEARCH STATION
खडकवासला, पुणे - 411024 / Khadakwasla, Pune - 411024

Disclaimer :- http://mail.bharatividyapeeth.edu/disclaimer.html

सत्यमेव जयते
भारत सरकार / Government of India
जल शक्ति मंत्रालय / Ministry of Jal Shakti
जल संसाधन, नदी विकास और गंगा संरक्षण विभाग
Department of Water Resources, River Development and Ganga Rejuvenation
केन्द्रीय जल और विद्युत अनुसंधान शाला
खड़कवासला, पुणे - 411 024
CENTRAL WATER & POWER RESEARCH STATION
Khadakwasla, Pune – 411 024

G20 भारत 2023 INDIA

वसुधैव कुटुम्बकम्
ONE EARTH · ONE FAMILY · ONE FUTURE

संख्या: TC-2023/374

दिनांक: 18th April 2023

18 APR 2023

विषय : Permission for delivering a lecture on "Geotechnical Applications like Slope Stability, Permeability and Insitu properties" at Bharati Vidyapeeth's College of Engineering, Lawale, Pune on 20th April 2023.

I am directed to convey permission of Director, CWPRS to Dr. Sanjay A. Burele, Scientist 'C' of CWPRS for delivering a lecture on "Geotechnical Applications like Slope Stability, Permeability and Insitu properties" at Bharati Vidyapeeth's College of Engineering, Lawale, Pune on 20th April 2023.

The consent may be communicated to the concerned authority with a copy to this office for records.

Terms and Conditions:

1. The assignment should be carried out without affecting the regular duties of the Office.
2. The officer will not be entitled to draw any TA/DA.
3. Receipt of remuneration, if any, should be informed to Chief Administrative Officer, CWPRS and Accounts Officer (Bills), CWPRS as per prevailing rules.

निदेशक, के.ज.और वि.अ.शाला के अनुमोदन से यह अनुदेश जारी किया गया है।

धन्यवाद,

भवदीय,

18/4/2023

(एस. जी. मंजुनाथ / S. G. Manjunatha)
वैज्ञानिक 'ई' (तकनीकी समन्वय)
Scientist 'E' (Technical Co-ordination)
For Director,

प्रति :

1. Dr. Sanjay A. Burele, Scientist 'C' through Shri Rizwan Ali , Scientist 'E'.
2. Chief Administrative Officer, CWPRS for information.
3. Accounts Officer (Bills), CWPRS for information.
4. Finance Officer, CWPRS for information

Date: 13/4/2023

To,

The Principal,

B.V. College of Engineering, Lavale, Pune.

Subject: Permission to Arrange Expert lecture and Sanction of fee the honorarium fee.

Respected sir,

In the Department of civil Engineering We would like to arrange Expert lecture on Geotechnical Engineering on. 20/04/2023 at 10am in the Department of civil Engineering. on the Topic, 'Slope stability, permeability and insitu properties studies etc in Geotechnical Engineering'.

Honorarium fee the Guest be Rs 2000=00 and 500R's fee Snacks.

So Please Sanction the Amount of Rs - 2500 and give the permission fee Arranging the lecture.

Dr. Patil V.S.

H.O.D
Civil Engineering
Bharati Vidyapeeth's College of Engineering Lavale Pune

Permitted
PA&D
13/4/23

Guest lecture.

Dr. Sanjay Bureke.
Senior Scientist C Grade.
CWPRS. Pune.

कीर्द पा. नं.

पावती नंबर

भारती विद्यापीठ
कॉलेज ऑफ इंजिनिअरिंग, लवळे
ता. मुळशी, जि. पुणे

खर्चाची पावती

मा. प्राचार्य, कॉलेज ऑफ इंजिनिअरिंग, लवळे यांना,

पावती लिहून देणार श्री./श्री. Dr. Sanjay A. Burele पत्ता Bv Lavele

दिनांक 20/04/2023

खाते Guest lecture

तपशील	रुपये	पैसे
Amount of Guest Lecture on dated 20/4/23 of shri - Dr. Sanjay A. Burele paid in Cash, Geotechnical Engineering.	2000	-
एकूण अक्षरी रुपये Two Thousand Only. फक्त	=2000	-00

वरील तपशीलाप्रमाणे रकम रोख / चेकने मिळाली, आभारी आहोत. चेक नंबर बँक

प्राचार्य

अकौंटंट

सही .....

PayIIII

Payment Successful

₹ 2,000

Rupees Two Thousand Only

To: Sanjay A Burele

From: Uday Shankar Patil

Bank of India - 5697

UPI Ref. No: 3476144 **71702**

12:30 PM, 20 Apr 2023

Bharati Vidyapeeth's

College of Engineering, Lavale

Department of Civil Engineering

A Report on,

Geotechnical Engineering and Its Significance in Bridge Design by CWPRS

Geotechnical engineering is a specialized branch of civil engineering that focuses on the behavior, properties, and use of earth materials, including soil and rock, in the design and construction of infrastructure projects. It plays a crucial role in various aspects of civil engineering and is significant for several reasons:

1. Foundation Design: Geotechnical engineers are responsible for assessing soil and rock conditions at construction sites. This assessment helps determine the type of foundation required for structures such as buildings, bridges, dams, and towers. The choice of the appropriate foundation is critical to ensure the stability and safety of the structure.

2. Slope Stability Analysis: Geotechnical engineers analyze the stability of natural and man-made slopes to prevent landslides and slope failures. This is essential for ensuring the safety of infrastructure and protecting the environment.

3. Earthquake Engineering: In regions prone to earthquakes, geotechnical engineering is vital for designing structures that can withstand seismic forces. Engineers study soil liquefaction, ground motion, and soil-structure interaction to design earthquake-resistant buildings and infrastructure.

4. Retaining Wall Design: Retaining walls are used to support soil masses and prevent erosion. Geotechnical engineers design these walls to ensure they can withstand the lateral pressure exerted by soil and water.

5. Soil Improvement: Geotechnical engineers develop techniques to improve the engineering properties of soil, making it suitable for construction. Methods include soil compaction, grouting, and soil reinforcement using geosynthetics.

6. Pavement Design: In transportation engineering, geotechnical engineers design pavements and roadways to withstand traffic loads and environmental conditions. Soil properties and subgrade strength are crucial factors in pavement design.

7. Environmental Engineering: Geotechnical engineering plays a role in environmental projects such as landfill design, groundwater remediation, and soil erosion control. Engineers assess soil and groundwater contamination and design systems to address environmental issues.

8. Mining and Geotechnical Exploration: In mining operations, geotechnical engineers assess the stability of slopes, tunnels, and underground excavations. They also explore geological conditions to ensure safe and efficient mining practices.

9. Water Resources Management: Geotechnical engineering is essential in the design and construction of dams, levees, and other water management structures. Engineers analyze soil properties to ensure the integrity of these structures.

10. Risk Assessment: Geotechnical engineers assess the risks associated with geological and geotechnical hazards such as landslides, sinkholes, and coastal erosion. They provide recommendations for risk mitigation and disaster preparedness.

11. Infrastructure Resilience: In an era of climate change, geotechnical engineering is becoming increasingly significant for designing infrastructure that can withstand extreme weather events, rising sea levels, and changing environmental conditions.

- ## Geotechnical Engineering in Bridge Design

Geotechnical engineering plays a critical and foundational role in bridge construction. The significance of geotechnical engineering in bridge construction can be understood through various aspects:

1. **Foundation Design:** The foundation of a bridge is one of its most crucial components. Geotechnical engineers assess the soil and rock conditions at the bridge site to determine the appropriate foundation type (e.g., shallow foundations like spread footings or deep foundations like piles or caissons). Proper foundation design ensures the stability and longevity of the bridge.
2. **Soil Bearing Capacity:** Geotechnical engineers conduct soil tests to determine the bearing capacity of the soil beneath the bridge supports. This information is used to design the foundation elements that can safely support the bridge's loads, including traffic loads and environmental forces.
3. **Settlement Analysis:** Bridge foundations must be designed to minimize settlement, ensuring that the bridge remains level and structurally sound over time. Geotechnical engineers analyze soil settlement characteristics to develop effective foundation solutions.
4. **Slope Stability:** In areas with sloping terrain or near bodies of water, geotechnical engineers assess the stability of the soil to prevent erosion and slope failures that could undermine bridge supports. Measures like retaining walls and slope stabilization techniques may be required.
5. **Seismic Design:** In regions prone to earthquakes, geotechnical engineering is essential for designing bridges that can withstand seismic forces. Engineers analyze soil liquefaction potential and develop seismic-resistant foundation systems.
6. **Geotechnical Surveys:** Geotechnical investigations involve drilling boreholes, conducting laboratory tests, and analyzing soil samples. These surveys provide essential data for bridge designers and structural engineers to make informed decisions about foundation design and construction methods.
7. **Risk Assessment:** Geotechnical engineers assess geotechnical hazards, such as landslides, scour, or soil erosion, which can affect the stability of a bridge. They develop strategies to mitigate these risks during design and construction.
8. **Environmental Impact:** Bridge construction can have environmental consequences, including changes to water flow patterns and potential habitat disruption. Geotechnical engineers consider the environmental impact of bridge foundations and propose measures to minimize disruption.

9. **Construction Support:** During bridge construction, geotechnical engineers provide on-site support to ensure that foundations are installed correctly and meet design specifications. They may conduct tests and inspections to verify that construction practices align with geotechnical recommendations.
10. **Maintenance and Rehabilitation:** Over time, bridges may require maintenance, repair, or rehabilitation. Geotechnical engineers can assess the condition of bridge foundations and recommend necessary remedial measures.

- ## Soil Erosion

Geotechnical engineering plays a crucial role in addressing soil erosion, which is the process of the removal and displacement of soil by various natural and human-induced factors. Soil erosion can have detrimental effects on the environment, agriculture, infrastructure, and water resources. Geotechnical engineers employ various techniques and methods to mitigate soil erosion and protect valuable soil resources. Here's an overview of geotechnical engineering's role in addressing soil erosion:

1. Soil Erosion Causes:

Soil erosion can be caused by several factors, including:

- **Water Erosion:** This includes sheet erosion (thin layers of soil removed by flowing water), rill erosion (small channels forming on the soil surface), and gully erosion (larger, deeper channels caused by concentrated water flow).
- **Wind Erosion:** Wind can transport loose soil particles, leading to soil loss.
- **Human Activities:** Deforestation, urbanization, construction, and improper land management practices can exacerbate soil erosion.

2. Geotechnical Methods for Soil Erosion Control:

Geotechnical engineers employ various techniques to control and prevent soil erosion:

- **Slope Stabilization:** One common method is stabilizing slopes using geosynthetics, retaining walls, or vegetation. These measures prevent landslides and soil slippage.
- **Erosion Control Matting:** Geotechnical engineers use erosion control mats made of biodegradable materials or synthetic geotextiles to protect exposed soil surfaces. These mats help stabilize the soil and promote vegetation growth.
- **Revegetation:** Planting native vegetation can help bind soil particles together, reducing erosion. Geotechnical engineers consider soil types and erosion rates when selecting suitable plant species.
- **Check Dams and Silt Fencing:** These structures slow down and trap sediment-laden water, preventing it from flowing downhill and causing erosion.
- **Riprap and Gabions:** Placing rocks or gabion baskets along riverbanks and shorelines can reduce water erosion and protect against scour.

- **Bioengineering:** This approach combines engineering and ecological principles to stabilize slopes and control erosion using vegetation, living structures, and natural materials.
- **Terracing:** Terracing involves creating horizontal platforms on sloped terrain to reduce the speed of water flow, allowing sediment to settle.

3. Soil Erosion Assessment:

Geotechnical engineers conduct soil erosion assessments to understand the erosion risk, evaluate soil properties, and design appropriate erosion control measures. This may involve soil testing, hydraulic modeling, and erosion prediction.

4. Sustainable Practices:

Geotechnical engineers often advocate for sustainable land management practices, such as maintaining vegetation cover, implementing erosion control measures during construction, and avoiding overgrazing or deforestation.

5. Monitoring and Maintenance:

Continuous monitoring of erosion control measures is essential to ensure their effectiveness. Geotechnical engineers may recommend maintenance and adjustments as needed to prevent erosion.

6. Environmental Considerations:

Geotechnical engineers also consider the environmental impact of erosion control measures, aiming to strike a balance between effective erosion prevention and minimizing ecological disruption.

In summary, geotechnical engineering plays a vital role in addressing soil erosion through various methods and techniques. These efforts aim to protect soil resources, maintain the integrity of landscapes, and mitigate the environmental and economic impacts of erosion. Engineers work collaboratively with other stakeholders, including environmental scientists and land managers, to implement effective erosion control strategies.

- ## River Diversion Due to Soil Erosion

River diversion due to soil erosion is a natural process that occurs when the erosive forces of a river gradually change its course over time. This phenomenon can have significant environmental and engineering implications. Here, we'll discuss the causes and consequences of river diversion caused by soil erosion:

Causes of River Diversion by Soil Erosion:

1. **Bank Erosion:** Over time, the flowing water of a river can erode the banks or shores. This erosion occurs due to the sheer force of the water, which picks up and carries away soil particles, causing the riverbanks to gradually recede.
2. **Meander Migration:** Rivers often meander or curve in their course. As water flows around these curves, it erodes the outer bank while depositing sediment on the inner bank. This process can result in the gradual shifting of the river's course over time.
3. **Sediment Transport:** The eroded soil and sediment carried by the river can accumulate at various points downstream. When sediment builds up significantly, it can divert the river's flow towards areas of lower resistance, changing its course.

Consequences of River Diversion by Soil Erosion:

1. **Environmental Impact:** River diversion can alter the ecosystems along the riverbanks, affecting habitats for plants and wildlife. Changes in water levels and flow patterns can disrupt aquatic life.
2. **Flood Risk:** Altered river courses can increase the risk of flooding in areas where the river now flows. This can lead to damage to properties, infrastructure, and agricultural land.
3. **Infrastructure Damage:** River diversion can pose a threat to infrastructure such as roads, bridges, and buildings that were originally constructed with the assumption of a stable river course.
4. **Water Quality:** Changes in the flow pattern and sediment transport can affect water quality by increasing sedimentation and turbidity, potentially impacting drinking water sources and aquatic ecosystems.

Management and Mitigation:

To manage or mitigate the effects of river diversion by soil erosion, various strategies can be employed:

1. **Bank Stabilization:** Geotechnical engineering techniques, such as the use of riprap (large stones) or engineered structures like retaining walls, can be employed to stabilize eroding riverbanks and mitigate further soil erosion.
2. **Meander Cutoffs:** In some cases, controlled meander cutoffs can be created to redirect the river's course and prevent it from eroding critical areas.
3. **Vegetation Planting:** Planting native vegetation along riverbanks can help stabilize the soil and reduce bank erosion.
4. **Sediment Management:** Strategies for managing sediment transport, such as sediment basins or check dams, can be used to control the accumulation of sediment and potentially reduce river diversion.
5. **Floodplain Zoning:** Implementing appropriate land use and zoning regulations in flood-prone areas can help minimize the risks associated with river diversion and flooding.

6. **Hydrological Studies:** Conducting hydrological studies and monitoring river behavior can provide valuable data for informed decision-making and mitigation efforts.

It's important to note that river diversion due to soil erosion is a complex and often natural process. While mitigation efforts can help manage its effects, they must be carefully planned to minimize adverse impacts on the environment and local communities. Additionally, long-term monitoring and adaptive management are crucial to address evolving river dynamics and erosion patterns.

• Bridge consulting by CWPRS

1. **Hydraulic and Hydrological Studies:** CWPRS can assist in conducting hydraulic and hydrological studies related to bridge design and construction. This includes evaluating the impact of bridges on river flow, sediment transport, and flood risk assessment.
2. **Scour Analysis:** CWPRS may offer expertise in scour analysis, which involves studying the erosive forces of water around bridge piers and abutments. This is crucial for ensuring the stability and safety of bridges.
3. **Geotechnical Investigations:** Geotechnical studies are essential for assessing soil and foundation conditions at bridge sites. CWPRS may provide geotechnical expertise to evaluate the soil properties and recommend suitable foundation designs.
4. **Environmental Impact Assessment:** CWPRS can contribute to environmental impact assessments (EIAs) for bridge projects, ensuring compliance with environmental regulations and minimizing ecological disruption.
5. **Data and Research Support:** CWPRS's research findings and data related to rivers, sediment transport, and water flow can inform bridge engineering projects, especially when they involve water crossings.
6. **Testing Facilities:** CWPRS may offer testing facilities for hydraulic model studies that can simulate various conditions around bridge structures, aiding in design validation and optimization.

• CWPRS Works in Bihar

1. **Flood Management:** CWPRS conducts research related to flood forecasting, river basin management, and flood control measures. Given Bihar's vulnerability to floods, the research and data provided by CWPRS can be invaluable in developing flood management strategies and infrastructure planning.
2. **River Basin Studies:** CWPRS is involved in the assessment and modeling of river basins. Bihar has several major rivers, including the Ganga, Kosi, and

Gandak. CWPRS's research can contribute to understanding and managing these river basins effectively.

3. **Hydraulic Engineering:** CWPRS specializes in hydraulic and water resources engineering. This expertise can be applied to various projects in Bihar, such as the construction and maintenance of bridges, dams, and irrigation systems.
4. **Sedimentation Studies:** Sedimentation in rivers and reservoirs can impact water storage, navigation, and flood control. CWPRS conducts studies on sediment transport and sedimentation control techniques, which can be relevant to water infrastructure projects in Bihar.
5. **Hydropower Development:** Bihar has potential hydropower resources, and CWPRS's research in power development and energy optimization can be beneficial for assessing and harnessing these resources sustainably.
6. **Water Quality Management:** CWPRS research includes water quality assessment and management. This can be essential for improving the quality of water sources in Bihar and ensuring safe drinking water supply.
7. **Water Resources Planning:** CWPRS provides data, models, and expertise that can aid in the planning and management of water resources, including irrigation and drinking water supply schemes in Bihar.

1. Kosi River Basin Project (Flood Management):

- Bihar is known for its vulnerability to floods, particularly in the Kosi River basin. The Kosi River has a history of changing its course, leading to devastating floods.
- The Kosi River Basin Project aimed at mitigating floods by channelizing the river's course and constructing embankments. This project involved extensive river diversion and construction of protective infrastructure.

2. Ganga Bridge Construction:

- Bihar has several important bridges constructed over the Ganga River to facilitate transportation and connectivity. One notable example is the Mahatma Gandhi Setu, connecting Patna to Hajipur.
- The construction and maintenance of these bridges have been significant for Bihar's economic development and transportation network.

3. Digha Sonpur Bridge (Sonepur Rail-Road Bridge):

- The Digha-Sonepur Rail-Road Bridge, also known as the Sonepur Bridge, is one of the longest multi-span bridges in the world.
- It connects Digha Ghat in Patna to Sonepur in Saran district, Bihar, over the Ganga River.

4. Gandak Barrage:

- The Gandak Barrage is an essential water management structure on the Gandak River, a major tributary of the Ganga.
- It serves purposes like irrigation, flood control, and navigation, and it has contributed to agricultural development in the region.

5. Bhagalpur Bridge (Vikramshila Setu):

- The Bhagalpur Bridge, also known as Vikramshila Setu, is a key transportation link over the Ganga River.
- It connects Bhagalpur in Bihar to Naugachia and Kahalgaon and has facilitated trade and connectivity in the region.

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

CWPRS

BHARATI VIDYAPEETH's

COLLEGE OF ENGINEERING, LAVALE, PUNE - 412 115

Class : _____ Lecture No. : _____

Date : 20/04/2023 Week : _____

Subject : _____ Name of the Faculty Member : _____

Total = 80 students

STUDENTS ATTENDANCE SHEET

Lecture No.	SE	TE	BE		Roll No.	Signature	Signature	Signature	Signature
Date					40				
Time					41				
Roll No.	Signature	Signature	Signature	Signature	42				
1					43				
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39					Sign				

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

H.O.D. Signature

Bharati Vidyapeeth College of Engineering

Lavale, Pune- 412 115, Maharashtra State.

Phone: (020) 20291357 Website: bvcoe.bharatividyapeeth.edu

Ref. No: BV/COEL/civil/ 1073/2021/2022

Date: 21/06/2021

Department of Civil Engineering

NOTICE

All the students of TE and BE students are informed that Guest lecture on "Armament Design Issues and Challenges" on Thursday will be delivered by Renowned scientists, DR. Virendra Kumar on 24/06/2021 at 3Pm on online modeon Microsoft teams.

21/06/2021.

HOD,
Civil Department,
BVCoE, lavale

H.O.D.
Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale,Pune

Bharati Vidyapeeth College of Engineering

Lavale, Pune- 412 115, Maharashtra State.

Phone: (020) 20291357 Website: bvcoe.bharatividyapeeth.edu

Ref. No: BV/COEL/Civil/1072 **Date: 22/06/2021**

Department of Civil Engineering

To,

Dr. Virendra Kumar Varma

Former Joint Director ARDE (DRDO)

Subject: - Invitation for Guest lecture in Armament Design Issues and challenges. (Make in India)

Dear Sir,

Bharati Vidyapeeth is a Pioneer Institute in the field of Education since last 50 years. Bharati Vidyapeeth's College of Engineering, Lawale, Pune Established in the year 2012-13. It uns UG program such as Civil, Mech Computer and Electronics and Telecummication Engineering. As per the telephonic discussion We would like to arrange Guest lecture on "Armament Design Issues and challenges. (Make in India)" on 24 June 2021 at 3.00Pm. on online mode on Microsoft Teams.

I kindly request you to deliver a Guest lecture on the above subject..

Thanking you.

HOD, 22/06/2021
Civil Department,
BVCoE Lavale

H.O.D
Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale,Pune

Re: Reguarding Guest lecture in Bharati Vidyapeeth's, college of Engineering, Lavale.

Uday Patil <Uday.Patil@bharatividyapeeth.edu>
Wed 6/23/2021 11:59 AM
To: Dr Virendra Kumar Verma <dvkverma25@gmail.com>
Thank you!

From: Dr Virendra Kumar Verma <dvkverma25@gmail.com>
Sent: Wednesday, June 23, 2021 9:48 AM
To: Uday Patil <Uday.Patil@bharatividyapeeth.edu>
Subject: Re: Reguarding Guest lecture in Bharati Vidyapeeth's, college of Engineering, Lavale.

I accept the invitation.

On Wed, Jun 23, 2021, 9:46 AM Uday Patil <Uday.Patil@bharatividyapeeth.edu> wrote:

Dear sir,
RefDe

Dr. Virendra Kumar Varma

Former Joint Director ARDE (DRDO)

Subject: - Invitation for Guest lecture in Armament Design Issues and challenges. (Make in India)

Dear Sir,

Bharati Vidyapeeth is a Pioneer Institute in the field of Education since last 50 years. Bharati Vidyapeeth's College of Engineering, Lawale, Pune Established in the year 2012-13. It uns UG program such as Civil, Mech Computer and Electronics and Telecummication Engineering. As per the telephonic discussion We would like to arrange Guest lecture on "Armament Design Issues and challenges. (Make in India)" on 24 June 2021 at 3.00Pm. on online mode on Microsoft Teams.

I kindly request you to deliver a Guest lecture on the above subject..

Thanking you.

-

HOD,

Civil Department,
BVCoE Lavale

Mr. Uday Patil
Associate Professor,
Department of civil Engineering
Bharati Vidyapeeth,s
College of Engineering, Lavale
M-No-9890259684
Email-uday.patil@bharatividyapeeth.edu
Website-bvcoe.bharatividyapeeth.edu
Disclaimer :- http://mail.bharatividyapeeth.edu/disclaimer.html
Disclaimer :- http://mail.bharatividyapeeth.edu/disclaimer.html

H.O.D
Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale,Pune

Date:- 22/06/2021.

To,

The Principal.
Bharati Vidyapeeth's College of Engineering Lavale, Pune.

Subject:- Approval for the Guest Lectures of Dr. Virendra kumar Verma.

Respected Sir!-

In the Department of civil Engineering we are arranging Guest lecture of Mr. Virendra kumar Varma on Armament Design issues and challenges. (Make in India). Introduction to DRDO, Projet Topics and sop for doing projects. This Guest Lecture is arranged on 24/06/2024. at ~~12 PM.~~ 3:00pm. Please give permission to arrange the lecture ~~in sheet~~ and also sanction the Amount of Rs 1000=00 for Guest Remuneration.

Thanking You.

Yours faithfully.
22/06/2024.

Permitted
RVPatil
22.6.21

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Civil Engineering
Bharati Vidyapeeth's
college of Engineering Lavale,Pune

Armament Design Issues and Challenges (Make in India)

Organized by ,

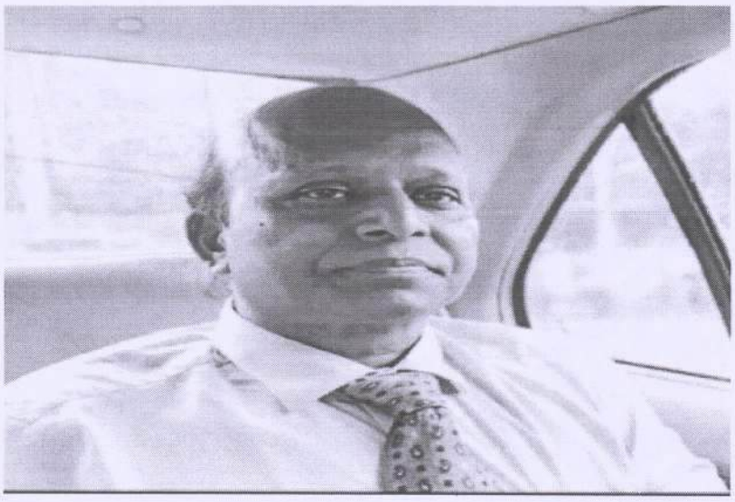
BHARATI VIDYAPEETH'S

COLLEGE OF ENGINEERING, LAVALE, PUNE

DEPARTMENT OF CIVIL ENGINEERING

Department of Civil Engineering welcomes you all for the guest lecture on, 'Armament Design Issues and Challenges (Make in India)'

- ***About Webinar:*** *The webinar will introduce all to DRDO in General; Armament R&D in Particular, Success stories, the technology gap and issues.*
- ***Speaker:*** *Dr. Virendra Kumar Verma*
  Professor (Mechatronics) , PCCOER, Pune.
  Former Joint Director ARDE (DRDO)



Microsoft Team's Link will be shared .

Date:
Thursday,
24th June 2021

Time:

3.00PM to 4.30PM

Medium :

Microsoft Team's

- ***Prof. N.A. Gangurde***

Program Coordinator

- ***Prof. U.S.Patil***

HOD
Civil Department

- ***Dr. R. N. Patil***

Principal
Bharati Vidyapeeth's College of Engineering, Lavale, Pune.412115.

BHARATI VIDYAPEETH COLLEGE OF ENGINEERING LAVALE

DEPARTMENT OF CIVIL ENGINEERING

GUEST LECTURE REPORT

Topic : Armament Design Issues and Challanges

Speaker :Dr. Virendra Kumar Verma Professor (Mechatronics) at PCCOER, Pune. Former Joint Director ARDE (DRDO).

Faculty Co-ordinator : Hod U. S. Patil sir

Date and Time : 24/06/2021, 3 to 5 Pm

VENUE : On line mode on Microsoft Teams

A guest lecture on "Armament Design Issues and Challenges" was held on 24 June 2021. The guest lecture was organized by department of civil Engineering to provide the students with brief introduction about the armaments used in the amry and their Manufacturing Process.

The guest lecture began with the address of HOD Civil departmet U.S.Patil. He had introduced Dr. Virendra Kumar Verma Professor (Mechatronics) at PCCOER, Pune. Former Joint Director ARDE (DRDO) and welcomed, resource person to deliver the lecture.

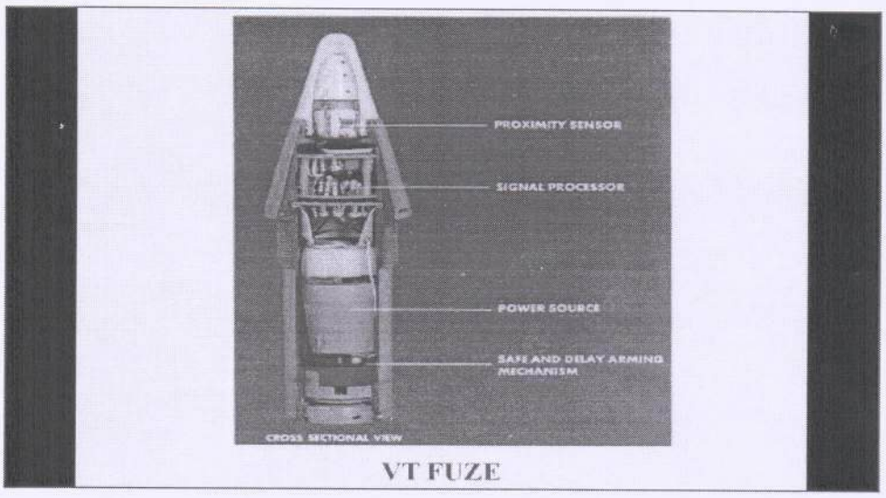
Guest Profile:

Dr. Virendra Kumar Verma is having more than 40 years of experience. He is presently working for development of safe and Reliable world class Armaments. His area of Expertise are Electronics Fuses and Explosive Initiation technologies, and "Make in India Armaments". He is the founder of Verma Parenting, an Institute dedicated to make champions out of Kids, with Branches in India USS and Mexico. He has a vast Teaching Experienceand has taught at prestigious Institutes like IIT Kanpur and NCE , Lonawala.

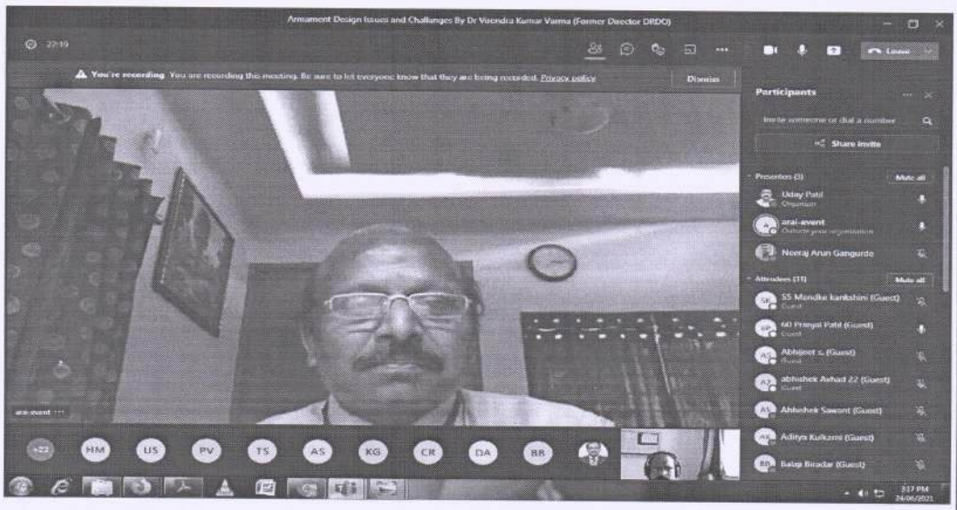
The session was then continued by Dr. Virendra Kumar Verma, on the Introduction of Armaments and the Fuzes Technology. Fuze is a system device with explosive components designed to initiate a train of fire or detonation in an item of ammunition by an action resulting either from pressure, electrical energy, chemical action, impact, clockwork action or a combination of these.

In his lecture explained Various functions of Fuzes that it provide safety, storage,transport , handling , arming and firing and Dr. Verma also Explain the the design considerations of the fuzes, Target Specification, Size and Weight constraints , Telemetry options ,Inputs during delivery ,Working Environment ,Method of initiation ,and Life cycle. He also explaines about the Environmental forces acting on the Armaments are Set Back Forces, Set Forward Forces, Spin, and Temperature Variations. Dr. Verma also talked about the various projects that the civil Engineers can do at BE Level Automization of Homes. 64 no of students were present for the Guest lecture and 4 Staff.

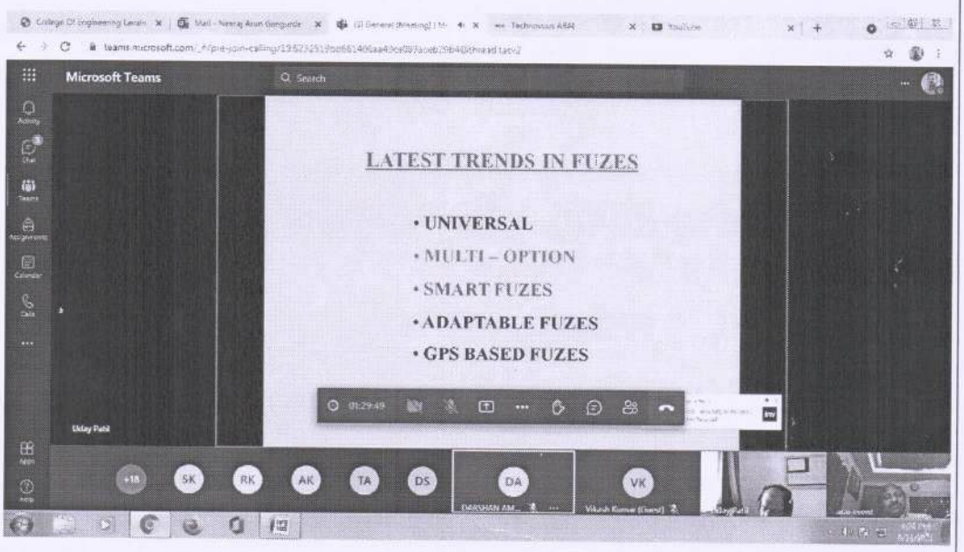
The session ended with the hearty thanks to Dr. Dr. Virendra Kumar Verma by HOD Civil Department U.S.Patil Sir in appreciation for taking the time out for educating the students on Armaments Instruments.

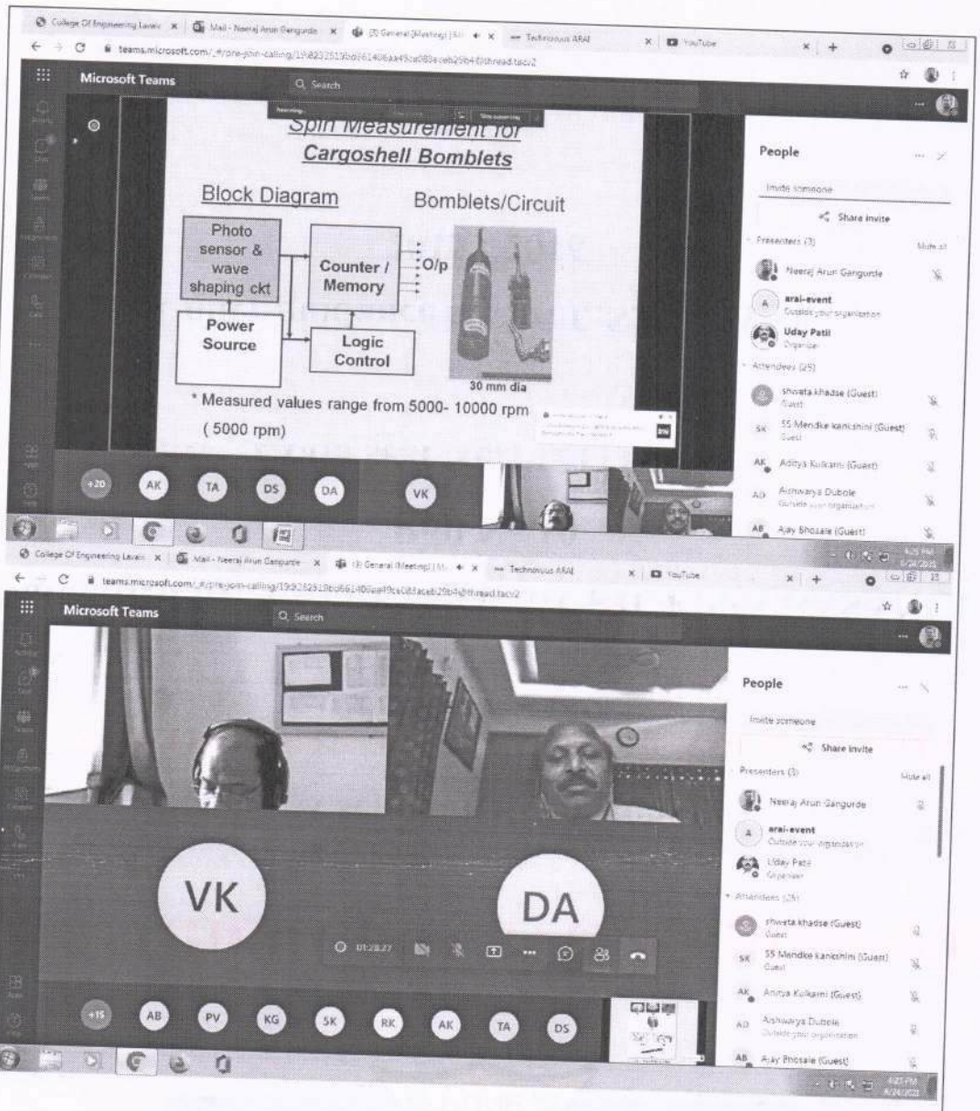


VT FUZE



Dr. Virendra Kumar Verma Presenting his Lecture on online mode.





Co-ordinator

Prof. Neeraj Gangurde

HOD

Uday Patil

24/06/2021.

H.O.D
Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

Full Name	User Actior	Timestamp	24/06/2021
Uday Patil	Joined	6/24/2021, 2:55:00 PM	Uday Patil
Swati Anil S	Joined	6/24/2021, 2:56:43 PM	Swati Anil Shegane
Neeraj Aru	Joined	6/24/2021, 2:56:56 PM	Neeraj Arun Gangurde
MANE SW.	Joined	6/24/2021, 2:57:07 PM	MANE SWAPNIL CHANDRAKANT
Balaji Birad	Joined	6/24/2021, 2:58:18 PM	Balaji Biradar (Guest)
Ashish Bad	Joined	6/24/2021, 2:59:23 PM	Ashish Badge (Guest)
Ashish Bad	Left	6/24/2021, 2:59:44 PM	Ishwari Shinde (Guest)
Ishwari Shi	Joined	6/24/2021, 2:59:25 PM	Pathan Adnankhan (Guest)
Ishwari Shi	Left	6/24/2021, 2:59:37 PM	DARSHAN AMRUTKAR (Guest)
Pathan Adr	Joined	6/24/2021, 3:00:26 PM	Vaishnavi Deshmukh (Guest)
Pathan Adr	Left	6/24/2021, 3:01:28 PM	Pratik Pawar (Guest)
Pathan Adr	Joined	6/24/2021, 3:02:23 PM	Atul Patil (Guest)
Pathan Adr	Left	6/24/2021, 3:02:44 PM	Piyusha Shinde
DARSHAN /	Joined	6/24/2021, 3:00:26 PM	Chirag Rathod (Guest)
Vaishnavi D	Joined	6/24/2021, 3:00:59 PM	Kajal Ghule (Guest)
Vaishnavi D	Left	6/24/2021, 3:03:33 PM	Abhishek Sawant (Guest)
Pratik Paw	Joined	6/24/2021, 3:01:07 PM	Tejaswini survase
Pratik Paw	Left	6/24/2021, 3:07:35 PM	Jagdale Sonali Abhiman (Guest)
Pratik Paw	Joined	6/24/2021, 3:27:33 PM	Palak Varma (Guest)
Atul Patil ((	Joined	6/24/2021, 3:01:30 PM	Utpalkant Sahu (Guest)
Atul Patil ((	Left	6/24/2021, 3:01:56 PM	abhishek Avhad 22 (Guest)
Piyusha Shi	Joined	6/24/2021, 3:01:44 PM	60 Pranjal Patil (Guest)
Piyusha Shi	Left	6/24/2021, 3:06:07 PM	Shreyash Bhovate (Guest)
Chirag Rath	Joined	6/24/2021, 3:02:02 PM	rahul patil 57 (Guest)
Kajal Ghule	Joined	6/24/2021, 3:02:13 PM	Harshwardhan Mohite (Guest)
Abhishek S	Joined	6/24/2021, 3:02:22 PM	Rushi Khandetod (Guest)
Abhishek S	Left	6/24/2021, 3:24:30 PM	55 Mendke kankshini (Guest)
Abhishek S	Joined	6/24/2021, 3:43:13 PM	Abhijeet s. (Guest)
Tejaswini s	Joined	6/24/2021, 3:02:26 PM	Gauri Nikam (Guest)
Tejaswini s	Left	6/24/2021, 3:18:38 PM	PUSHKARAJ VERNEKAR (Guest)
Jagdale Sor	Joined	6/24/2021, 3:03:15 PM	Manohar Mule (Guest)
Jagdale Sor	Left	6/24/2021, 3:04:19 PM	Vishal Yamgar (Guest)
Palak Varm	Joined	6/24/2021, 3:03:18 PM	Priyanka Kokare (Guest)
Utpalkant S	Joined	6/24/2021, 3:03:23 PM	Dhanke Jyoti Atul
abhishek A	Joined	6/24/2021, 3:03:36 PM	GARGI BIJWE (Guest)
abhishek A	Left	6/24/2021, 3:31:21 PM	OMKAR DOMB
60 Pranjal I	Joined	6/24/2021, 3:03:52 PM	Narendrakumar Mittewad (Guest)
60 Pranjal I	Left	6/24/2021, 3:05:10 PM	Priyanka Khavare (Guest)
Shreyash B	Joined	6/24/2021, 3:05:08 PM	arai-event
Shreyash B	Left	6/24/2021, 3:05:57 PM	shweta.khadse (Guest)
rahul patil !	Joined	6/24/2021, 3:05:13 PM	Gayatri Pandit (Guest)
rahul patil !	Left	6/24/2021, 3:24:20 PM	Suman Yadav

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college of Engineering Lavale,Pune

Attendance on 24/06/2021.

Harshward Joined	6/24/2021, 3:05:19 PM	Vikas Thombre (Guest)
Harshward Left	6/24/2021, 3:23:54 PM	Aditya Kulkarni (Guest)
Harshward Joined	6/24/2021, 3:26:13 PM	SURAJ THUBE (Guest)
Rushi Khan Joined	6/24/2021, 3:05:54 PM	Menka Vachhani (Guest)
55 Mendke Joined	6/24/2021, 3:06:54 PM	Aman Mogre
Abhijeet s. Joined	6/24/2021, 3:06:55 PM	Anagha Pawar (Guest)
Abhijeet s. Left	6/24/2021, 3:21:52 PM	Tejaswini Adhav (Guest)
Abhijeet s. Joined	6/24/2021, 3:22:08 PM	Harnale pawan (Guest)
Gauri Nikar Joined	6/24/2021, 3:07:36 PM	Leena Pramod Chaudhari
PUSHKARA Joined	6/24/2021, 3:07:40 PM	Shubham Gullapelli (Guest)
PUSHKARA Left	6/24/2021, 3:45:05 PM	Nandini Deshmukh (Guest)
Manohar M Joined	6/24/2021, 3:07:41 PM	Pranil Samindre (Guest)
Manohar M Left	6/24/2021, 3:17:27 PM	onkar (Guest)
Vishal Yam Joined	6/24/2021, 3:07:53 PM	shweta.khadse (Guest)
60 Pranjal I Joined	6/24/2021, 3:08:42 PM	Ajay Bhosale (Guest)
60 Pranjal I Left	6/24/2021, 3:09:28 PM	Vikash Kumar (Guest)
Priyanka Kc Joined	6/24/2021, 3:09:19 PM	Yashashree Patil
Dhanke Jyc Joined	6/24/2021, 3:09:35 PM	PRATHAM PANDILWAR (Guest)
GARGI BIJ\ Joined	6/24/2021, 3:10:38 PM	Akash Nagargoje (Guest)
60 Pranjal I Joined	6/24/2021, 3:10:40 PM	SHUBHAM MARNE - 43 (Guest)
60 Pranjal I Left	6/24/2021, 3:29:19 PM	Yash Deore (Guest)
OMKAR D(Joined	6/24/2021, 3:10:55 PM	Pravin chavan (Guest)
OMKAR D(Left	6/24/2021, 3:53:54 PM	Ajinkya Wadbude (Guest)
Narendrak Joined	6/24/2021, 3:11:01 PM	Gite LK (Guest)
Narendrak Left	6/24/2021, 3:29:52 PM	
Priyanka K Joined	6/24/2021, 3:11:18 PM	
Priyanka K Left	6/24/2021, 3:20:59 PM	
arai-event Joined	6/24/2021, 3:11:22 PM	
arai-event Left	6/24/2021, 3:12:26 PM	
arai-event Joined	6/24/2021, 3:13:28 PM	
shweta.kha Joined	6/24/2021, 3:13:54 PM	
shweta.kha Left	6/24/2021, 3:28:16 PM	
Gayatri Par Joined	6/24/2021, 3:14:12 PM	
Gayatri Par Left	6/24/2021, 3:17:53 PM	
Gayatri Par Joined	6/24/2021, 3:28:17 PM	
Gayatri Par Left	6/24/2021, 3:31:14 PM	
Suman Yad Joined	6/24/2021, 3:14:41 PM	
Suman Yad Left	6/24/2021, 3:15:15 PM	
Suman Yad Joined	6/24/2021, 3:19:05 PM	
Suman Yad Left	6/24/2021, 3:20:19 PM	
Vikas Thom Joined	6/24/2021, 3:14:48 PM	
Vikas Thom Left	6/24/2021, 3:34:22 PM	
Aditya Kulk Joined	6/24/2021, 3:16:55 PM	
SURAJ THU Joined	6/24/2021, 3:19:13 PM	
Menka Vac Joined	6/24/2021, 3:19:36 PM	
Menka Vac Left	6/24/2021, 3:26:40 PM	
Aman Mog Joined	6/24/2021, 3:19:45 PM	
Anagha Pa\ Joined	6/24/2021, 3:22:03 PM	
Anagha Pa\ Left	6/24/2021, 3:27:52 PM	
Tejaswini A Joined	6/24/2021, 3:22:05 PM	

24/06/2021.

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Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

Bharati Vidyapeeth College of Engineering

Lavale, Pune- 412 115, Maharashtra State.

Phone: (020) 20291357 Website: bvcoe.bharatividyapeeth.edu

Ref. No: BV/COEL/CIVIL/1074/2021-22

Date: 25/06/2021

Department of Civil Engineering

To,

Dr. Virendra Kumar Verma, Professor (Mechatronics) at PCCOER, Pune. Former Joint Director ARDE (DRDO).

Subject: Thanking letter for Guest lecture on "Armament Design Issues and Challenges"

Dear Sir,

The Guest lecture on "Armament Design Issues and Challenges" we thank you for giving valuable knowledge to the students about the use of Fuzes in Armaments Instrumets and about the projects for final year.

Thanking you.

25/06/2021

HOD,
Civil Department,
BVCoE Lavale.

H.O.D
Civil Engineering
Bharati Vidyapeeth's
college of Engineering Lavale,Pune

Founder:
Dr. Patangrao Kadam
M.A., L.L.B., Ph.D.

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEEERING, LAVALE, PUNE 412 115.
Recognized by AICTE, New Delhi & DTE Mumbai.
Affiliated to Savitribai Phule Pune University.

Ref. No.BV/COEL/ 1003/2021-22 **Date: 4/10/2021**

Important Notice

All the students of Civil Engineering Department are hereby informed that Webinar on **"Advance Construction Practices"** is arranged in virtual mode dated Saturday, 9th September 2021 at 10:15 am.

Coordinator
Prof.S .A.Shegane

HoD
Prof.U S Patil

H.O.D
Civil Engineering
Bharati Vidyapeeth's
college of Engineering, Lavale,Pune

Website: http://bvcoe.bharatividyapeeth.edu/index.php
Email: coelpune@bharatividyapeeth.edu

Founder:
Dr. Patangrao Kadam
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BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEEERING, LAVALE, PUNE 412 115.
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Affiliated to Savitribai Phule Pune University.

Ref. No.BV/COEL/1099/2021-22

Date: 1/10/2021

Department of Civil Engineering

To,

Er. Raghavendra Sutrave

Project Manager

Mahindra lifespaces

Subject: - Invitation for webinar on"Advanced Construction practices"

Dear sir,

On behalf of the Bharati Vidyapeeth's College Of Engineering, Lavale, Pune and the Civil department, we are honored to invite you to deliver the lecture on "Advanced Construction practices"

I kindly request you to deliver a lecture on the above subject and also I want to know the availability of your time in your busy schedule, so that I can have an appointment with yourself and make appropriate arrangements.

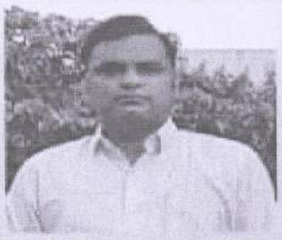
Kindly suggest suitable date and time.

Thanking you.

HOD,
Civil Department, 1/10/2021.
BVCoE Lavale.

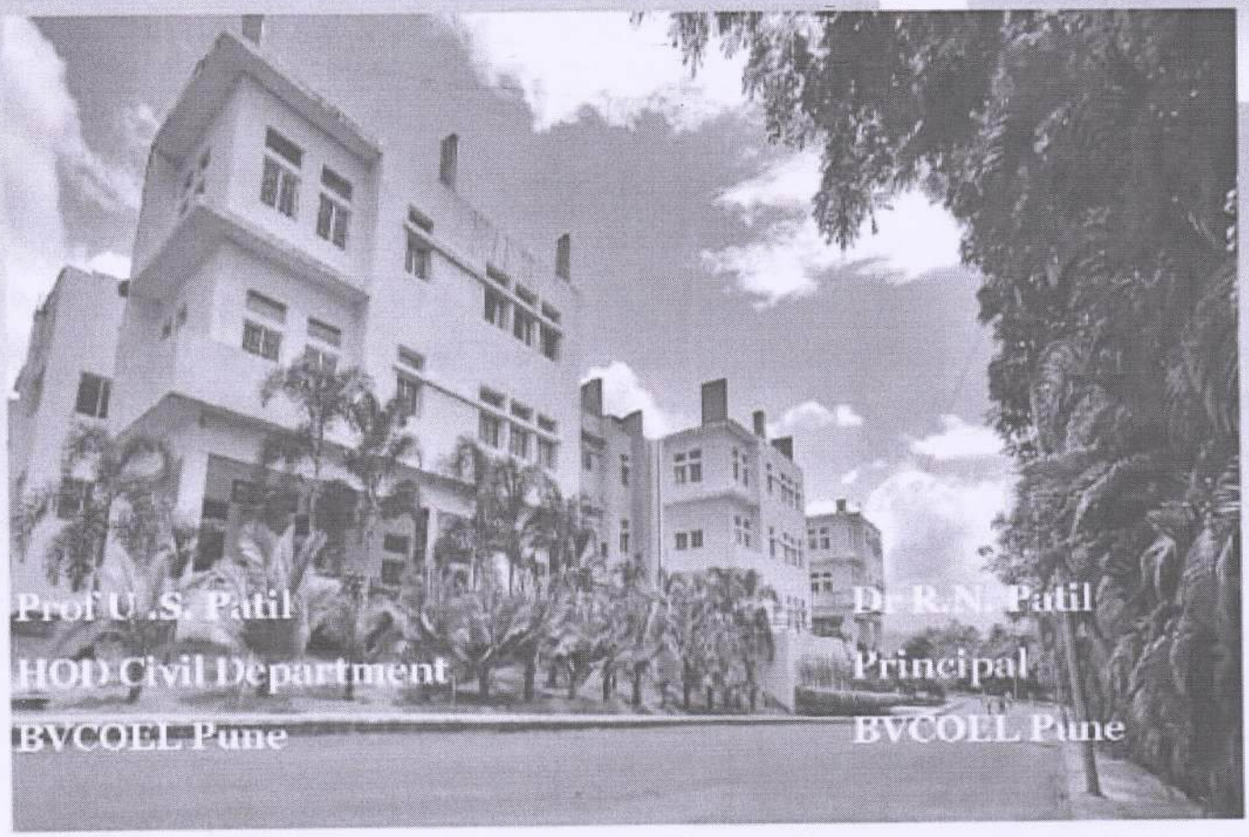
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Civil Engineering
Bharati Vidyapeeth's
llege of Engineering Lavale,Pune

Bharati Vidyapeeth's College of Engineering Lavale Pune
Department of Civil Engineering
Webinar
Advance Construction Practices



Er. Raghavendra Sutrave
Project Manager
Mahindra Lifespaces

VENUE :
Microsoft teams
Date: 9/9/2021
Time: 10:15 AM



Prof U. S. Patil
HOD Civil Department
BVCOEL Pune

Dr R.N. Patil
Principal
BVCOEL Pune

http://bvcoe.bharatividyapeeth.edu

A

Webinar Report on

"Advance Construction Practices"

Speaker : Er. Raghuvendra Sutrave

(Project Manager – Mahindra Lifespaces)

Organised by : **Prof. Swati Shegane**

Date : 09/09/2021

Time : 10:15 am

Civil Engineering Department

Bharati Vidyapeeth's College of Engineering, Lavale, Pune.

Bharati Vidyapeeth's College of Engineering, Lavale, Pune, Department of Civil Engineering had organised a Webinar on "Advanced Construction Practices" in the presence of Er. Raghuvendra Sutrave who is a Project Manager at Mahindra Lifespaces under the coordination of Prof. Swati Shegane, Prof. Neeraj Gangurde, Prof. Uday Patil (HOD Civil) and Dr. R. N. Patil (Principal). The session was organised for all the students of SE, TE, BE of the Civil Department on Microsoft Teams Platform. The session was started with a Welcome greetings to Speaker and all faculty members and students. The Webinar was focused on Mivan technology a new innovation in Formworks.



Presentation of Mivan Technology

Now a days the Construction Technology and equipment have become very advanced in India and the construction industry is experiencing a period of fast growth. Aiming to overcome the housing problems, it also has to face the dual challenge of fulfilling the needs of the client and maintain the quality standards at the same time. Hence adaption to new technologies has become necessary to survive in the competition today and hence advanced technologies are adopted such as Mivan. Mivan is a quality aluminum structure developed by a European construction company known as Mivan Company Ltd. In

1990, the company from Malaysia began manufacturing these formwork systems. This innovative form of work is actually suitable for constructing houses in large quantities at a faster speed. The speed of construction needs to be given greater importance, especially for large housing projects or township project. In order to respond to these unusual challenges in terms of time, cost and quality, the real estate industry has come up with a smart method of construction known as the "MIVAN formwork system". There are a number of buildings in Mumbai that are being constructed with the help of the Mivan technology, which has been declared economical as well as satisfying for the overall Indian real estate market.

Mivan technology has been used widely in Europe, Asia, Gulf Countries, and other parts of the globe. It is suitable for constructing a large number of houses in a short period of time using room size forms to construct walls and slabs in one constant pour on concrete. The webinar session was concluded by Prof. Neeraj Gangurde and Miss Sakshi Shinde Presenting the Vote of Thanks to the Speaker and all faculty members as well as students present for the session. The Webinar was a good source of knowledge and information about the new emerging technologies in construction industry.



Participants Group Picture

Founder:
Dr. Patangrao Kadam
M.A., L.L.B., Ph.D.

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEEERING, LAVALE, PUNE 412 115.
Recognized by AICTE, New Delhi & DTE Mumbai.
Affiliated to Savitribai Phule Pune University.

Ref. No: BV/COEL/1012/2021-22

Date: 25/10/2021

Department of Civil Engineering

TO WHOM IT MAY CONCERN

This is to certify that *Er. Raghavendra Sutrave (Project Manager of Mahindra life spaces Pune*) delivered a Guest lecturer at Bharati Vidyapeeth's College of Engineering Lavale, Pune, dated on 9/10/2021 in Department of Civil Engineering has conducted successfully on *" Advance Construction Practices* "for the students of Civil Engineering.

We wish him the very best in all his future endeavors.

Thanking You,

Miss Swati Shegane
(Webinar Coordinator)

Prof. U S Patil
(HOD, Civil Department)

25/10/2021.

H.O.D
Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

Founder:
Dr. Patangrao Kadam
M.A., L.L.B., Ph.D.

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Recognized by AICTE, New Delhi & DTE Mumbai.
Affiliated to Savitribai Phule Pune University.

Ref. No.BV/COEL/ /20 **Date: 8/10/2021**

To,

The Principal,

BVCOE, lavale Pune

Subject: Regarding sanction of the remuneration for the Webinar on " Advance Construction Practices".

Respected sir,

As per the curriculum, would like to arrange the webinar of **Er. Raghavendra Sutrave (Project Manager of Mahindra lifespaces Pune)** on 9th October 2021 at 10:15 AM onwards on the topic " Advance Construction Practices".

Please sanction the remuneration of Rs. 1000/- for the speaker person.

Thanking you,

Yours faithfully,
Miss.S.A.Shegane

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

Attendance of webinar

Full Name	User Action	Timestamp
Yukta Sawant (Guest)	Joined	10/9/2021, 10:33:57 AM
sukhada kulkarni(39)	Joined before	10/9/2021, 10:33:57 AM
Suman Yadav	Joined	10/9/2021, 10:33:57 AM
Pravin chavan (Guest)	Joined	10/9/2021, 10:33:57 AM
Nandini Deshmukh (Guest)	Joined	10/9/2021, 10:33:57 AM
Jadhav Vasundhara (Guest)	Joined	10/9/2021, 10:33:57 AM
Raksha Dhodare (Guest)	Joined	10/9/2021, 10:33:57 AM
ROHIT KAMBLE 13 (Guest)	Joined	10/9/2021, 10:33:57 AM
Ujwala Deshmukh	Joined	10/9/2021, 10:33:57 AM
Harshada Gawali	Joined	10/9/2021, 10:33:57 AM
Jyoti Bhokre (Guest)	Joined	10/9/2021, 10:33:57 AM
Omkar Yadav (Guest)	Joined	10/9/2021, 10:33:57 AM
Buddhabhushan Bhagat (Guest)	Joined	10/9/2021, 10:33:57 AM
Shreyash Bhovate	Joined	10/9/2021, 10:33:57 AM
Harshwardhan Mohite (Guest)	Joined	10/9/2021, 10:33:57 AM
Gauri Nikam (Guest)	Left	10/9/2021, 10:33:57 AM
Abhishek Birajdar (Guest)	Joined	10/9/2021, 10:33:57 AM
Pradnya Goswami (Guest)	Joined	10/9/2021, 10:33:57 AM
Sanyukta Kawale (Guest)	Joined	10/9/2021, 10:33:57 AM
Balaji Biradar (Guest)	Joined	10/9/2021, 10:33:57 AM
Tejaswini survase	Joined	10/9/2021, 10:33:57 AM
Pratiksha Jadhav (Guest)	Joined	10/9/2021, 10:33:57 AM
Tejaswini Adhav (Guest)	Joined	10/9/2021, 10:33:57 AM
piyush sonawane(45) (Guest)	Joined	10/9/2021, 10:33:57 AM
Ganaraj Butle (Guest)	Joined	10/9/2021, 10:33:57 AM
Suman Yadav (Guest)	Joined	10/9/2021, 10:33:57 AM
Aniket wagh (Guest)	Joined	10/9/2021, 10:33:57 AM
Kshitij Jagdale (Guest)	Joined	10/9/2021, 10:33:57 AM
Siddharth Zaware (Guest)	Joined	10/9/2021, 10:33:57 AM
Onkar bhausaheb pawar	Joined	10/9/2021, 10:33:57 AM
VIVEK VIKRAM JADHAV	Joined	10/9/2021, 10:33:57 AM
Abhijeet Bala	Joined	10/9/2021, 10:33:57 AM
Gayatri sanjay pandit	Joined	10/9/2021, 10:33:57 AM
Sahil Patil	Joined	10/9/2021, 10:33:57 AM
Aman Mogre	Joined	10/9/2021, 10:33:57 AM
Chaitanya Talekar	Joined	10/9/2021, 10:33:57 AM
Abhishek avhad	Joined	10/9/2021, 10:33:57 AM
Yashraj Kad	Joined	10/9/2021, 10:33:57 AM
yukta sawant	Joined	10/9/2021, 10:33:57 AM
Mendke kankshini	Joined	10/9/2021, 10:33:57 AM
Sonal jagtap	Joined	10/9/2021, 10:33:57 AM
SHUBHAM GULLAPELLI	Joined	10/9/2021, 10:33:57 AM
Priyanka Balasaheb Khavare	Joined	10/9/2021, 10:33:57 AM
Jadhav Vasundhara	Joined	10/9/2021, 10:33:57 AM
Aniruddha patil	Joined	10/9/2021, 10:33:57 AM
Jadhav Rushikesh Sanjay	Joined	10/9/2021, 10:33:57 AM
Saumya Nagrale	Joined	10/9/2021, 10:33:57 AM
YASHASHREE PATIL	Joined	10/9/2021, 10:33:57 AM
Latika Sonawane	Joined	10/9/2021, 10:33:57 AM
Ashish Sanjay Badge	Joined	10/9/2021, 10:33:57 AM
Gargi Bijwe	Joined	10/9/2021, 10:33:57 AM
Mahesh Adinath Dhumal	Joined	10/9/2021, 10:33:57 AM
Mohit Chavhan	Joined	10/9/2021, 10:33:57 AM
Sakshi Deepak Shinde	Joined	10/9/2021, 10:33:57 AM
Ujwala Deshmukh	Joined	10/9/2021, 10:33:57 AM
Sukhda Kulkarni	Joined	10/9/2021, 10:33:57 AM

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

Webinar

Bharati Vidyapeeth College of Engineering

Lavale, Pune- 412 115, Maharashtra State.

Phone: (020) 20291357 Website: bvcoe.bharatividyapeeth.edu

Ref. No: BV/COEL/civil/ 1087 **Date: 16/09/2021**

Department of Civil Engineering

NOTICE

All the students of civil, Computer, Electronics and Telecommunication and Mechanical Engineering Department are informed that the Webinar is arranged on Project Management on Hoover Dam in USA by Dr. Sarvesh Swaarup Ex. (Deputy Director General, Ministry of Commerce and Industry, Government of India) will be conducted on 20/09/2021 at 09.00 am sharp.

HOD, 16/09/2021.
Civil Department,
BVCoE, lavale

H.O.D
Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale,Pune

Date:- 15/09/2021.

To,

The Principal,

B.V. COE Lavale.

Respected sir,

In Bharati vidyapeeth's college of Engineering Lava Department of civil Engineering are arranging lect of Dr. Sarvesh swarup, on 'Project Management for all the students of college. ~~college~~. The Remuneration for the Guest lecture is Rs - 3000=00.

Please Grant me for the conduction of lecture on. 20/09/2021 Monday at 9 am in the Morning.

Please Grant Rs 3000=00.

Thanking you.

Uday S. Patil.

Permitted
R.N.Patil
16.09.21



To Sarvesh Swarup

₹3,000.00

Guest lecture

Completed • 22 Sept, 09:50

State Bank of India
XXXXXX1550

UPI transaction ID
126509385883

To
•••• 3117

From: UDAY SHANKAR PATIL (State Bank of India)
srushtijyotipatil-1@oksbi

Google Transaction ID
CICAgODqkNvOCg

कीर्द पा. नं.

पावती नंबर

भारती विद्यापीठ
कॉलेज ऑफ इंजिनिअरिंग, लवळे
ता. मुळशी, जि. पुणे

खर्चाची पावती

मा. प्राचार्य, कॉलेज ऑफ इंजिनिअरिंग, लवळे यांना,

पावती लिहून देणार सौ./श्री. ~~Sarvesh Swarup~~ पत्ता

खाते

दिनांक 22/09 / २०२१

तपशील	रुपये	पैसे
Amount of Remuneration for Guest Lecture on 20/09/2021.	3000	-
एकूण अक्षरी रुपये Three Thousand only. फक्त	3000/	—

वरील तपशीलाप्रमाणे रक्कम रोख / चेकने मिळाली, आभारी आहोत. चेक नंबर — बँक —

प्राचार्य

अकौंटंट

सही

Re: Webinar on "Project Management on HOOVER Dam" (USA) Date: 20/09/2021 Time: 09am

Sarvesh Swarup <drswarup@gmail.com>
Tue 9/21/2021 12:49 AM
To: Uday Patil <Uday.Patil@bharatividyapeeth.edu>

Dear Mr Uday Patil
Greetings and hope this finds you doing well At the outset please accept my warm thanks for organizing the presentation on project management at your college today I greatly appreciate the efforts put in organizing the presentation and the students who heard me with rapt attention Indeed it will be a pleasure to stay associated with the college and guide the students in their future endeavours
As my documents speak i have handled with the entire trade and industry as an officer in the Ministry of Commerce and Industry and can guide your students in finding appropriate placements.
I give below my bank account details for taking further necessary action
Sarvesh Swarup
Axis Bank
New Marine Lines Branch Mumbai
Savings Account Number-233010100023117
IFS Code-UTIB0000233
Pan Number-ASQPS9873H
Thanking you and with best regards
Dr Sarvesh Swarup
Former Deputy Director General
Ministry of Commerce and Industry
Govt of India
2721 Weatherstone Drive
Ellicott City
Maryland
21042
USA
cell-1-443-707-7821

On Sat, Sep 18, 2021 at 11:23 PM Uday Patil <Uday.Patil@bharatividyapeeth.edu> wrote:

Get Outlook for Android

From: Sangram Chandrakant Patil <patil.sangram@bharatividyapeeth.edu>
Sent: Saturday, September 18, 2021 2:04:06 PM
To: Uday Patil <Uday.Patil@bharatividyapeeth.edu>; Sangram Chandrakant Patil <patil.sangram@bharatividyapeeth.edu>; BE CIVIL 2020.2021 <becivil2020.2021@bharatividyapeeth.edu>; BE CIVIL TERM I 2021-2022 <TECIVILTERMII2020-2021@bharatividyapeeth.edu>; SE Civil 2020-21 <secivil2020@bharatividyapeeth.edu>
Subject: Webinar on "Project Management on HOOVER Dam" (USA) Date: 20/09/2021 Time: 09am

Dear Student,

Invitation from Department of Civil Engineering to all faculty and Students of SE, TE, BE for organizing by

Re: online presentation on project management

Uday Patil <Uday.Patil@bharatividyapeeth.edu>
Thu 9/16/2021 7:11 AM

To: Sarvesh Swarup <drswarup@gmail.com>

Good evening sir
Confirmed date on monday at 9.00 am

Get Outlook for Android

From: Sarvesh Swarup <drswarup@gmail.com>
Sent: Wednesday, September 15, 2021 6:12:40 PM
To: Uday Patil <Uday.Patil@bharatividyapeeth.edu>
Subject: Re: online presentation on project management

let us do it on 20th September Monday same time IST
Thanks & Regards
Dr Swarup

On Wed, Sep 15, 2021, 2:44 AM Uday Patil <Uday.Patil@bharatividyapeeth.edu> wrote:

> Good Morning ,Sir ,
> Greeting from Bharati vidyapeeth's college of Engineering Lavale,
> We have to reschedule the Exam in next week due to our Internal Exam in this week.
> Please give Date from 20/09/2021-to 25/092021. Sorry for the inconvenience caused by us.

From: Uday Patil <Uday.Patil@bharatividyapeeth.edu>
Sent: Sunday, September 12, 2021 7:26 AM
To: Sarvesh Swarup <drswarup@gmail.com>
Subject: Re: online presentation on project management

Good Morning sir,
Greeting from Bharati vidyapeeth college of Engineering lavale Pune.
We will schedule the lecture on 17 September at 9 am in the morning on Microsoft Teams . I will send y the link on wednesday.
Thank y

Get Outlook for Android

From: Sarvesh Swarup <drswarup@gmail.com>
Sent: Sunday, September 12, 2021 12:37:16 AM
To: Uday Patil <Uday.Patil@bharatividyapeeth.edu>
Subject: Re: online presentation on project management

Dear Mr Uday Patil
Greetings and hope this finds you doing on well Thanks for your mail dated September 2nd and i now confirm September 17th- Friday-9 AM-IST for my presentation Hope you will be able to accommodate I would like to log in 15 minutes before and do the trial run of the presentation and that of the video showing the construction of the project under most arduous working conditions Total time required is one and half hours for the presentation and for celthe video Thereafter i will take the Q&A session

Re: online presentation on project management

Uday Patil <Uday.Patil@bharatividyapeeth.edu>
Sun 9/12/2021 7:26 AM

To: Sarvesh Swarup <drswarup@gmail.com>

Good Morning sir,
Greeting from Bharati vidyapeeth college of Engineering lavale Pune.
We will schedule the lecture on 17 September at 9 am in the morning on Microsoft Teams . I will send y the link on wednesday.
Thank y

Get Outlook for Android

From: Sarvesh Swarup <drswarup@gmail.com>
Sent: Sunday, September 12, 2021 12:37:16 AM
To: Uday Patil <Uday.Patil@bharatividyapeeth.edu>
Subject: Re: online presentation on project management

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Thanking you and with best regards
Dr Sarvesh Swarup
cell-1-443-707-7821

On Thu, Sep 2, 2021 at 11:11 PM Uday Patil <Uday.Patil@bharatividyapeeth.edu> wrote:

> ok sir
>
> Get Outlook for Android
>
> ---
>
> **From:** Sarvesh Swarup <drswarup@gmail.com>
> **Sent:** Friday, September 3, 2021 12:12:39 AM
> **To:** Uday Patil <Uday.Patil@bharatividyapeeth.edu>
> **Subject:** online presentation on project management
>
> Dear Mr Uday Patil
> Greetings and hope you are doing well This is just an interim mail and i will confirm the date of presentation soon
> Thanking you and with best regards
> Dr Sarvesh Swarup
> Disclaimer :- http://mail.bharatividyapeeth.edu/disclaimer.html
> Disclaimer :- http://mail.bharatividyapeeth.edu/disclaimer.html

Disclaimer :- http://mail.bharatividyapeeth.edu/disclaimer.html

Re: Invitation for the Guest Lecture on Project Management

Uday Patil <Uday.Patil@bharatividyapeeth.edu>
Mon 8/9/2021 1:16 PM
To: Sarvesh Swarup <drswarup@gmail.com>

Good afternoon sir,

Greetings from Bharati Vidyapeeth!

As per the discussion we have planned the lecture on 20 August but due to some problems it is not possible to arrange on the same date and time. we will plan the lecture on 26/08/2021 at 9 am . If possible please confirm the date and time. The Remuneration for the lecture has been sanctioned as Rs. 3000=00 Indian Rupees.
Please do the needful ,
Thanking You,

From: Sarvesh Swarup <drswarup@gmail.com>
Sent: Tuesday, March 23, 2021 9:00 AM
To: Uday Patil <Uday.Patil@bharatividyapeeth.edu>
Subject: Re: Invitation for the Guest Lecture on Project Management

Dear Mr Uday Patil
Greetings and hope you are doing fine Request please send the link for the presentation
Thanks and best regards
Dr Sarvesh Swarup

On Fri, Mar 19, 2021 at 7:05 PM Sarvesh Swarup <drswarup@gmail.com> wrote:

> Dear Mr Uday Patil
> Greetings and thank you for your mail dated march 18th 2021 under reference.Knowledge sharing is my prime objective and this can not be equated in value terms whereas the effort put in making the presentation as well in giving the presentation may have to be appropriately compensated.Therefore i do ,not prefix any amount and you may please decide the appropriate amount of honorarium and that will be acceptable. I will speak to you in a day or two and exchange pleasantries
> Thanking you and with best regards
> Dr Sarvesh Swarup
>
> On Thu, Mar 18, 2021 at 5:14 AM Uday Patil <Uday.Patil@bharatividyapeeth.edu> wrote:
>
> > Good afternoon,
> > How much Remuneration to be paid to U sir Please Giude me on this issue.
> >
> > ---
> >
> > **From:** Sarvesh Swarup <drswarup@gmail.com>
> > **Sent:** Thursday, March 18, 2021 9:29 AM
> > **To:** Uday Patil <Uday.Patil@bharatividyapeeth.edu>
> > **Subject:** Re: Invitation for the Guest Lecture on Project Management
> >
> > Dear Mr Uday Patil.
> > Greetings and hope this mail finds you well This is just a humble follow up mail wrt my mail dated March 11th 2021 Kindly make the position clear about the honorarium and I shall be extremely thankful to you

With best regards
Dr Sarvesh Swarup

On Thu, Mar 11, 2021, 9:49 PM Sarvesh Swarup <drswarup@gmail.com> wrote:

> Dear Mr Uday Patil
> Greetings and thank you for the mail dated march 9th 2021in the context of organizing my presentation on project management at your institute on march 25th 2021 at 9 A M -IST I hereby confirm the date and would like to have the trial run one or two days before the presentation on microsoft teams.I will speak to you and coordinate for the same.I hope your institute will consider granting suitable honorarium to keep me motivated else it should not be a constraint in the way of making the presentation.The presentation will be a major value addition in the knowledge base of your students and will groom them well as efficient project manager
> Thanking you and with best regards
> Dr Sarvesh Swarup
> Former Deputy Director General
> Ministry of commerce and industry
> GOI
> 2721 Weatherstone Drive
> Ellicott City
> Maryland
> 21042
> USA

On Tue, Mar 9, 2021 at 11:26 PM Uday Patil <Uday.Patil@bharatividyapeeth.edu> wrote:

> Good Morning sir,
> Thanks for Accepting our Invitation for the Presentation in College. Tentative date for the presentation is 25/03/2021 Thursday at 9 am in the morning. This online presentation will be on Microsoft teams i will share the link to y when finalized,
>
> Thank You
> Uday Patil
> 9890259684

From: Sarvesh Swarup <drswarup@gmail.com>
Sent: Wednesday, March 10, 2021 1:09 AM
To: Uday Patil <Uday.Patil@bharatividyapeeth.edu>
Subject: Re: Invitation for the Guest Lecture on Project Management

Dear Mr Uday Patil
Greetings and thanks for your mail under reference.I am grateful for giving due recognition to my credentials and it will be a pleasure to give the presentation on project management to your students.I have the following submissions to make
1- We are eleven and half hours behind IST therefore 11 AM -IST will be 1- AM late night in USA Hence the request is please start around 9AM-IST so that it is not very late at night in USA
2-It is a techno economic presentation made to groom all engineering and management students as efficient project managers Therefore please consider including students of other branches of engineering also as far as feasible
3- I am already committed for 17th March 2021 at an engineering college at Alwar Rajasthan and would request for a date in the last week of march 2021 as convenient to

you
4- I prefer to do a test run a day or two before the presentation for its smooth sailing We will do so once the date is decided
I will speak to you also and exchange pleasantries
Thanking you and with best regards
Dr Sarvesh Swarup
Former Deputy Director General
Ministry of commerce and industry
GOI
2721 Weatherstone Drive
Ellicott City
Maryland
21042
USA
cell-1-443-707-7821

On Mon, Mar 8, 2021 at 11:20 PM Uday Patil <Uday.Patil@bharatividyapeeth.edu> wrote:

Dear sir,
Good Morning,

Greeting from Bharati Vidyapeeth's College of Engineering, Lavale, Pune. The College is Established in the Year 2012-13
at Present we are having 4 Branches in which civil Engineering is the Basic Branch. I had gone through y Biodata and the experience that y are having it will be useful for our students of civil Engineering.

I welcome you for the Guest lesture on 17/03/2021 at 11 am. The online session will be conducted on Teams.
waithig for positive Reply.

Mr. Uday Patil
Associate Professor,
Department of civil Engineering
Bharati Vidyapeeth,s
College of Engineering, Lavale
M-No-9890259684
Email-uday.patil@bharatividyapeeth.edu
Website-bvcoe.bharatividyapeeth.edu
Disclaimer :- http://mail.bharatividyapeeth.edu/disclaimer.html
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Bharati Vidyapeeth's

College of Engineering, Lavale, Pune.

Department of Civil Engineering

Guest Lecture Report

Name of Activity	Guest Lecture
Name of Event	Webinar on "Project Management on HOOVER Dam" (USA)
DATE	**20th September 2021, 09am**
Organize by	Prof. S.C. Patil
Present Student and Faculty	109

Bharati Vidyapeeth's College of Engineering, Pune is organising a webinar on "Project Management on HOOVER Dam" (USA) by Dr. Sarvesh Swarup on 20 September 2021, 9.00am for all students and faculties. The webinar organised by Professor. S. C. Patil, Department of Civil Engineering.

Name of Speaker : Dr. Sarvesh Swarup

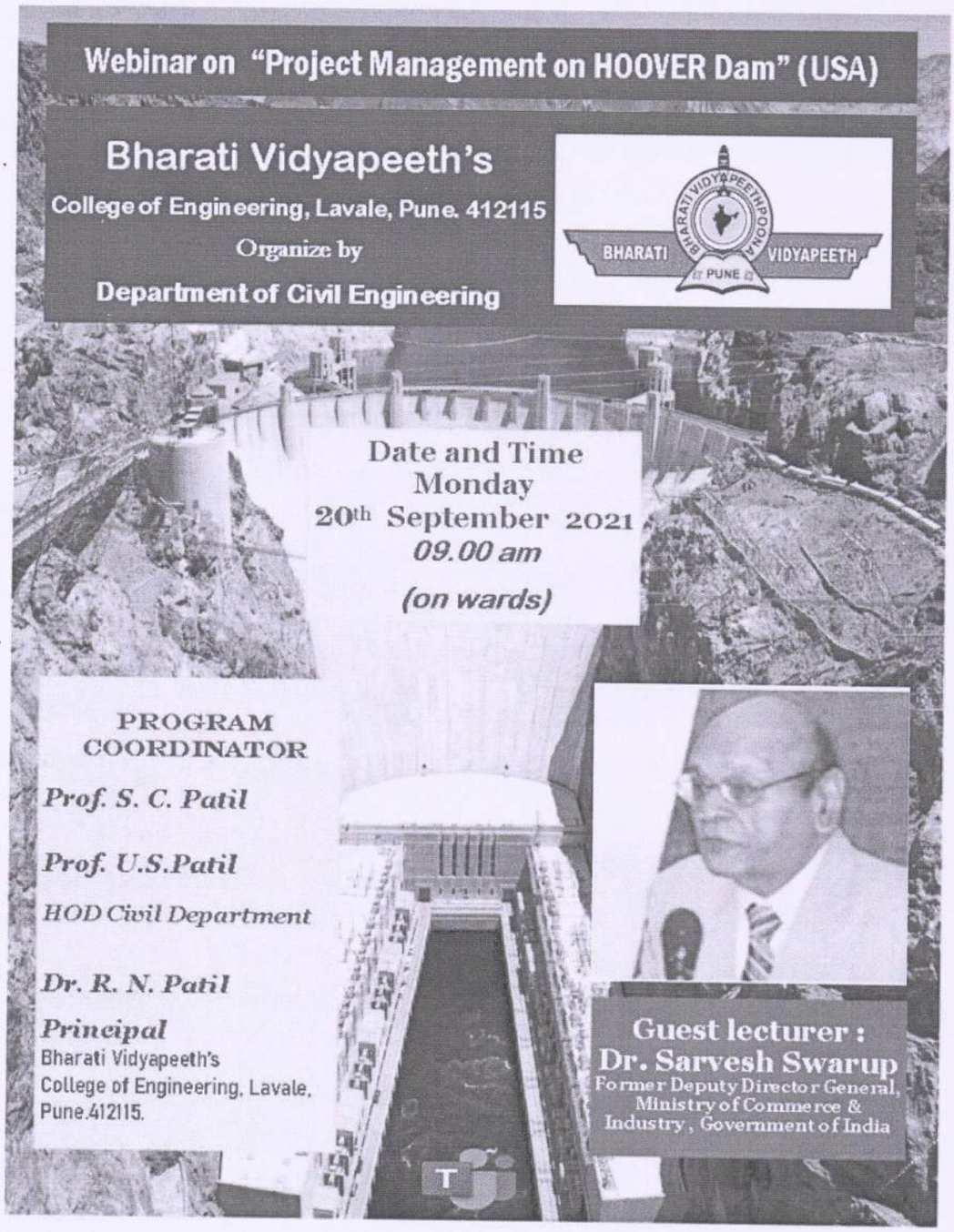
Designation: Former Deputy Director General, Ministry of Commerce & Industry , Government of India.

Prof, U. S. Patil began by introducing the webinar guest Dr. Sarvesh Swarup sir.

Dr. Swarup begin with the introduction of the history of the Hoover dam and the time of commissioning of the dam what perspectives are taken into account for the construction of the dam by the US government and its planning commission.

In this webinar, the gentleman explained different methods of panning the construction of the dam with the project management of all activities related to the whole construction deals. The historical and management methods of the project are used in the construction of the dam is the best of all other types of dam construction. The socio-economic impact of the Hoover dam explained by Sir Swarup is very interesting and well informed for the student.

Photo Gallery: Webinar Flyer


Webinar on "Project Management on HOOVER Dam" (USA)
Bharati Vidyapeeth's
College of Engineering, Lavale, Pune. 412115
Organize by
Department of Civil Engineering
BHARATI VIDYAPEETH
PUNE
Date and Time
Monday
20th September 2021
09.00 am
(on wards)
PROGRAM COORDINATOR
Prof. S. C. Patil
Prof. U.S.Patil
HOD Civil Department
Dr. R. N. Patil
Principal
Bharati Vidyapeeth's
College of Engineering, Lavale,
Pune.412115.
Guest lecturer :
Dr. Sarvesh Swarup
Former Deputy Director General,
Ministry of Commerce &
Industry , Government of India

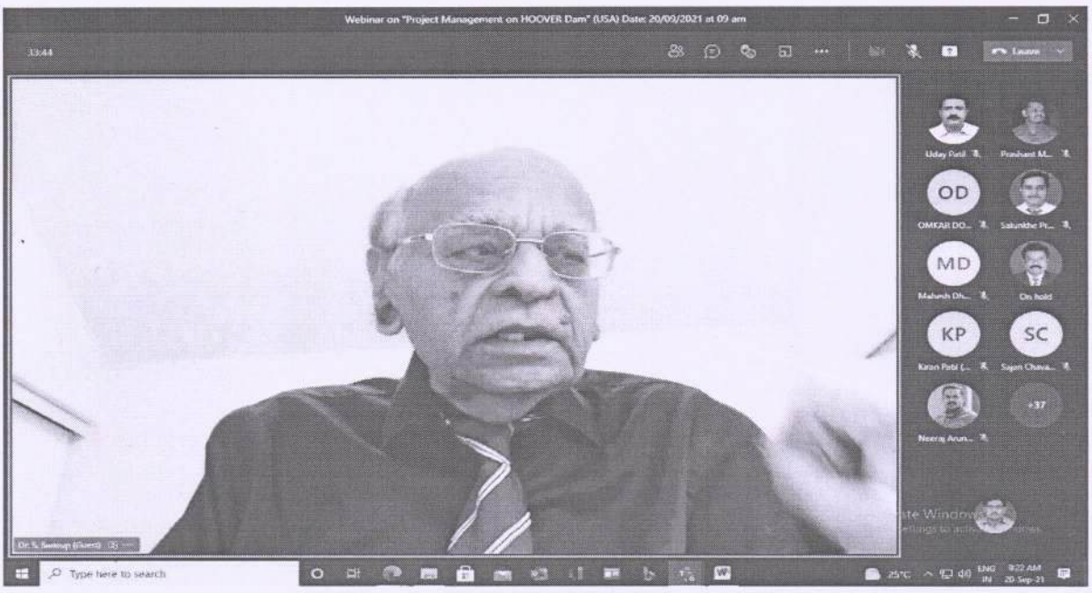


Photo No. 01. Introduction of Dr. Swarup by Prof. Sangram Patil.

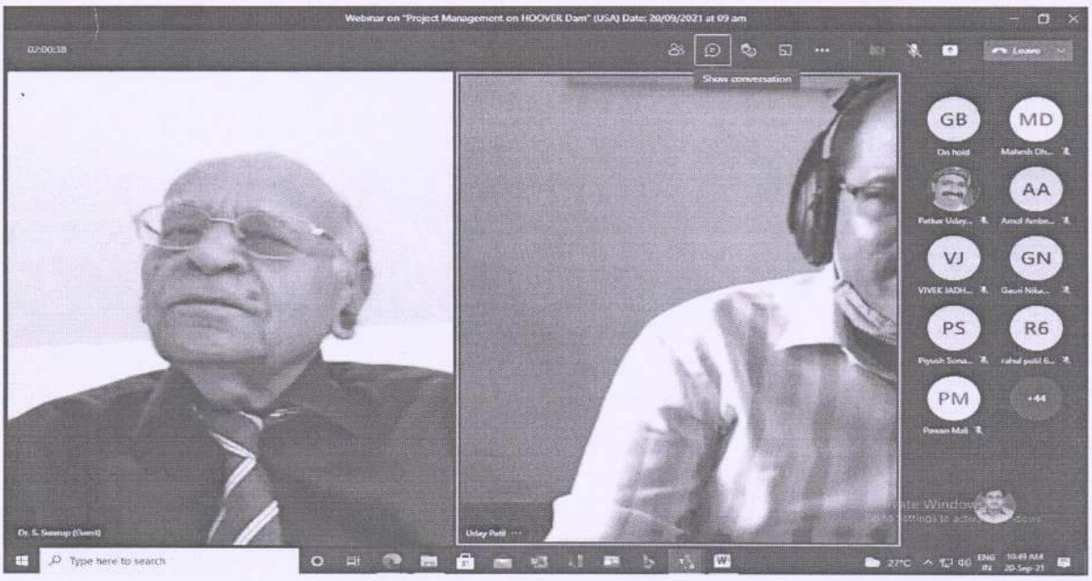


Photo No. 02 Oaths of thanks given by Prof. U.S.Patil Sir.

THANK YOU

BHARTIVIDYAPEETH'S
COLLEGEOFENGINEERING,LAVALE
Department of Civil Engineering
Guest Lecture Attendance
Webinar on "Project Management on HOOVER Dam" (USA)

Sr.No.	Full Name	Sr.No.	Full Name
1	Sangram Chandrakant Patil	55	Tejaswi Chavan
2	Uday Patil	56	Kalyani Nerkar (Guest)
3	Dr. S. Swarup (Guest)	57	Gayatri Pandit (Guest)
4	Pravin chavan (Guest)	58	Godson Koithodathu (Guest)
5	MANE SWAPNIL CHANDRAKANT	59	ABHISHEK PATURKAR (Guest)
6	Prashant Mahadik	60	AKSHAT AGRAWAL (Guest)
7	Mokashi Devdatta Kashinath	61	Sahil Patil (Guest)
8	OMKAR DOMB	62	ENTCfaculty bvcoel
9	Salunkhe Pramod Pandurang	63	Chate Parinita Jagnnath
10	Mahesh Dhumal (Guest)	64	Ishwari Shinde (Guest)
11	Rajendrakumar Patil	65	ANKIT MISHRA (Guest)
12	Sajan Chavan (Guest)	66	Datarkar Avinash Ashok
13	Kiran Patil (Guest)	67	Suman Yadav (Guest)
14	Neeraj Arun Gangurde	68	Atul patil-75 (Guest)
15	Chirag Rathod (Guest)	69	Rahate Pramod Ganpatrao
16	Patkar Uday Chandrakant	70	Nilesh Shivpuje
17	Amruta Deshmukh (Guest)	71	Aishwarya Dubole
18	MOHIT CHAVHAN (Guest)	72	Yukta Sawant (Guest)
19	Piyush Sonawane (Guest)	73	Kadam S N
20	Amol Ambekar (Guest)	74	Swati Anil Shegane
21	YUVRAJ BIJWE	75	MR.DHAMONE SAGAR P.
22	VIVEK JADHAV	76	PRATHAM PANDILWAR (Guest)
23	ROHIT KAMBLE 13 (Guest)	77	Tejaswini Adhav (Guest)
24	MR.MANE ATISH B.	78	Sunilkumar Patil
25	Gauri Nikam (Guest)	79	Varsha Avhad
26	rahul patil 67 (Guest)	80	Latika Sonawane
27	Pawan Mali	81	Sonal Jagtap 61 (Guest)
28	GARGI BIJWE (Guest)	82	Chaitanya Talekar (Guest)
29	PUSHKARAJ VERNEKAR (Guest)	83	sakshi shinde (Guest)
30	Vishal Yamgar (Guest)	84	ABHIJEET BALA (Guest)
31	Aman Mogre (Guest)	85	Buddhabhushan Bhagat (Guest)
32	Pallavi Magade (Guest)	86	Shradhesh Chavan (Guest)
33	AKASH KAMBLE (Guest)	87	Prathamesh Gaikwad 36 (Guest)
34	Raut Nilesh Narendra	88	Pratiksha Gaikwad
35	prajakta (Guest)	89	Shubham Gullapelli (Guest)
36	Deven sharma (Guest)	90	Vaishnavi Deshmukh (Guest)
37	Abhishek Avhad (Guest)	91	RESHU SINGH (Guest)
38	Atre Pradeep Prabhakar	92	Priyanka Khavare (Guest)
39	PUSHKARAJ VERNEKAR	93	Shubham Ghadlinge
40	Vyankat Machapure (Guest)	94	Kajal Raut (Guest)
41	Atharva Ghogare (Guest)	95	23-Yashashree Patil (Guest)
42	Tejaswi Chavan (Guest)	96	Kadam Pratima Mahadeo
43	Ranjit Bhosle (Guest)	97	Harshada Gawali
44	Leena Pramod Chaudhari	98	pranil Virole (Guest)
45	Tejaswini survase	99	Jadhav Vasundhara (Guest)
46	Bala Kumkum	100	SAUMYA NAGRALE (Guest)
47	Vaishnavi Khande (Guest)	101	Swaraj Kadam (Guest)
48	Swati Amrutkar (Guest)	102	SHUBHAM BHANUSE (Guest)
49	gund akash (Guest)	103	Varun Pawar
50	Chirag (Guest)	104	ANTESH.k 51 (Guest)
51	Rupali Shinde (Guest)	105	AMRUT JADHAV
52	Narendrakumar Mittewad (Guest)	106	Ishwar Bodake (Guest)
53	Vikas chaudhary (Guest)	107	Sanket Kondvilakar (Guest)
54	Anmol Gotmukle (Guest)	108	Dhanke Jyoti Atul

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Forms(https://www.office.com/launch/forms?auth=2)

Webinar on "Project Management on HOOVER Dam" (USA)

Dr. Sarvesh Swarup

Date: 20/09/2021

41	01:38	Active
Responses	Average time to complete	Status

1. Class

41
Responses

Latest Responses
"BE"
"Mechanical "
"Faculty"

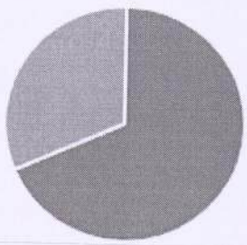
2. Name of Student

41
Responses

Latest Responses
"Devdatta Kashinath Mokashi"
"Pramod Rahate "
"Parinita Chate"

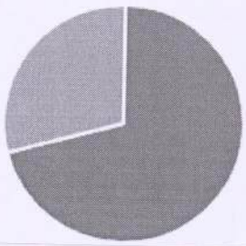
3. How well the Resource Person explained the concepts?

Extremely well	28
Somewhat well	13
Neutral	0
Somewhat not well	0
Extremely not well	0



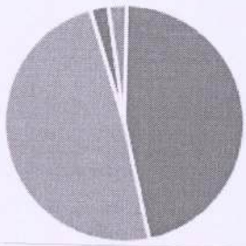
4. How helpful was the session for you?

Very helpful	29
Somewhat helpful	12
Neither helpful nor unhelpful	0
Somewhat unhelpful	0
Very unhelpful	0



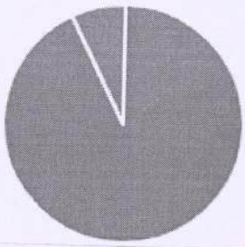
5. How was the Question & Answer session?

Excellent	19
Good	20
Very good	0
Fair	1
Average	1



6. Is the duration sufficient for the session?

Yes	38
No	0
Maybe	3



7. Overall experience

41
Responses

★★★★☆
4.34 Average Rating

Founder:
Dr. Patangrao Kadam
M.A., L.L.B., Ph.D.

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEEERING, LAVALE, PUNE 412 115.
Recognized by AICTE, New Delhi & DTE Mumbai.
Affiliated to Savitribai Phule Pune University.

Ref. No.BV/COEL/ 1681/2021

Date: 26/08/2021

Important Notice

All the students of Civil Engineering Department are hereby informed that one day workshop on **"Advanced Software's Used in Civil Engineering"** is arranged in virtual mode dated Friday, 27th August 2021. Join meeting in time as per the schedule which was sent on your official group. All lectures and practical are suspended on day 27th August 2021.

Coordinator

Prof.S C Mane.

HoD

Prof.U S Patil

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college of Engineering Lavale,Pune

BHARATI VIDYAPEETH
PUNE

CENTRE
Skills Driven Job Led

Bharati Vidyapeeth's College of Engineering Lavale,Pune
Department of Civil Engineering,In association with
CADD CENTRE AUNDH PUNE Organizing

Workshop On

Advanced Software's Used In Civil Engineering

Date-27/08/2021

Speaker:

AutoCAD - Mr. Anand Reddy (Team lead and Technical Expert CADD CENTRE)

Time- 10.30am -11.30am

STAAD PRO - Mr. Anand Reddy (Team lead and Technical Expert CADD CENTRE)

Time-12 pm -1.00pm

Microsoft Project - Mr. Ajinkya Gaikwad (Team lead and Sr. Corporate Trainer)

Time- 1.30 pm-2.30pm

PATRON

Prof. U.S.Patil
(HOD)

Dr R.N.Patil
(Principal)

Coordinator- Prof. Swapnil C. Mane, Prof. Sangram Patil , Prof. Prashant Mahadik.

Department of Civil Engineering

WORKSHOP REPORT

1. Name: One day workshop on, "Advanced Software's used in Civil Engineering"

2. Day&Date: Friday 27/08/2021

3. Time: 12.00 PM – 1.30 PM

4. Description:

Bharati Vidyapeeth's College of Engineering, Lavale, Pune's Department of Civil Engineering, in association with CAAD Centre, Aundh, Pune organized the One Day Workshop On "Advanced Software used in Civil Engineering" under the co-ordination of Prof. Swapnil Mane (Dept. of Civil Engg.), Prof. Sangram Patil (Dept. of Civil Engg.), Prof. Prashant Mahadik (Dept. of Civil Engg.) and Prof. Uday Patil (HOD, Civil). Session was attained by 73 participants.

The session was organized for all the students of SE, TE, BE of the civil department. The One Day Workshop was delivered on the Teams App. This One Day workshop was organized on August27, 2021 from 10: 30 am to 02:30 pm. Team of two technical experts from the CADD Centre delivered the lecture on the given day. The speakers were Mr. Anand Reddy (Team lead and Technical Expert, CADD Centre) and Mr. Ajinkya Gaikwad (Team lead and Sr. Corporate Trainer).

In this slot Mr. Anand Reddy Sir covered STAAD PRO.STAAD PRO is one of the most widely used structural analysis and design software products worldwide. It is widely used to analyze and design structures for bridges, towers, buildings, transportation, industrial and utility structures.

Sir mentioned the applications and need to learn of the software. This software should be known to civil engineering student who is planning to develop himself in planning and

designing. He demonstrated the working and efficiency of the software. Structures like stair case, water tank shear wall and solid modeling were illustrated. Installation of the STAAD PRO software was taught to the students, which would be very beneficial for the students owning laptop, for practicing and learning process.

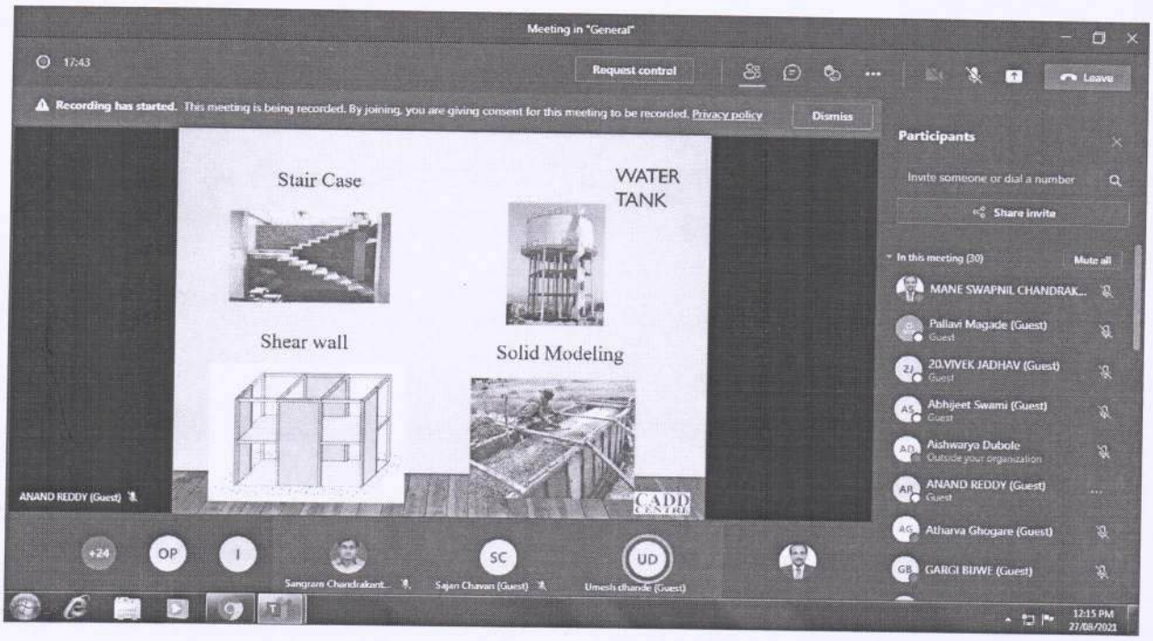


Photo 1- Types of RCC structures

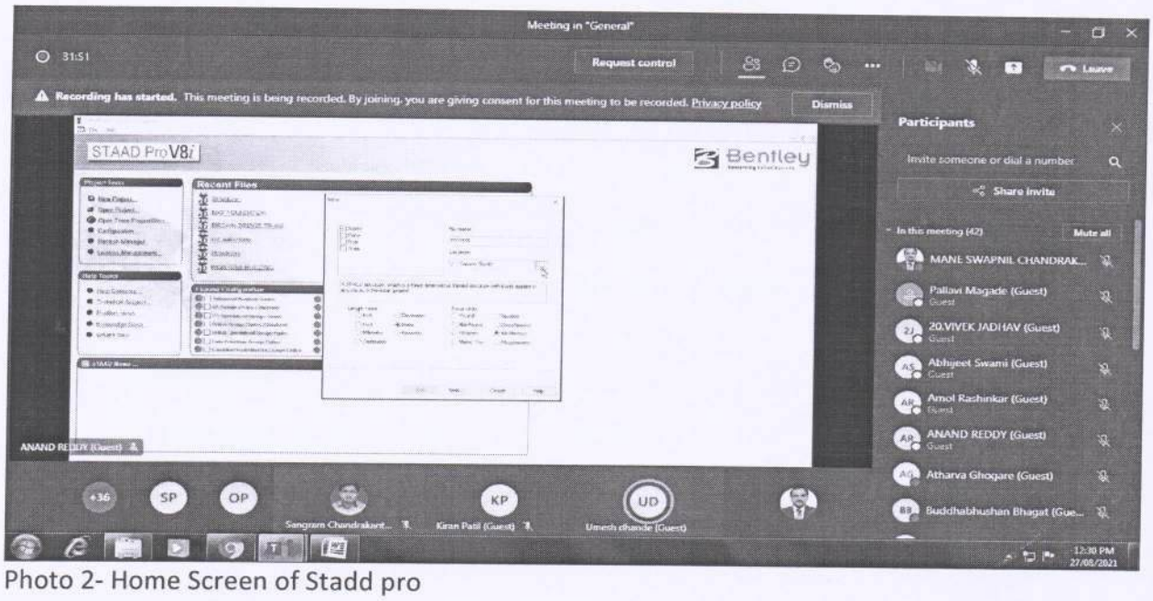


Photo 2- Home Screen of Stadd pro

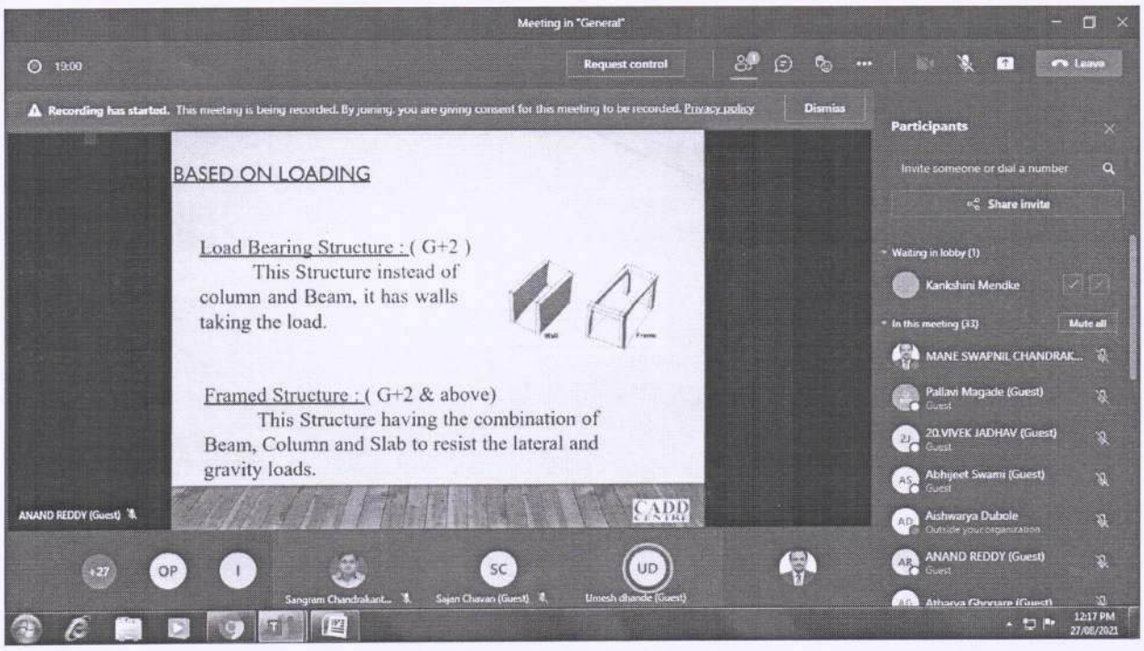


Photo 3- Structure Types

Event Coordinator

Prof. Swapnil Mane

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Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

Full Name	User Action	Timestamp
Uday Patil	Joined	8/27/2021, 10:22:53 AM
MANE SWAPNIL CHANDRAKANT	Joined before	8/27/2021, 10:22:53 AM
Swati Anil Shegane	Joined before	8/27/2021, 10:22:53 AM
Harshada Gawali	Joined before	8/27/2021, 10:22:53 AM
Prashant Mahadik	Joined before	8/27/2021, 10:22:53 AM
Umesh dhande (Guest)	Joined	8/27/2021, 10:23:39 AM
ANAND REDDY (Guest)	Joined	8/27/2021, 10:24:04 AM
Pranjal Patil (Guest)	Joined	8/27/2021, 10:24:06 AM
Priyanka Khavare (Guest)	Joined	8/27/2021, 10:24:28 AM
GARGI BIJWE (Guest)	Joined	8/27/2021, 10:24:30 AM
Amol Ambekar (Guest)	Joined	8/27/2021, 10:24:52 AM
Piyush Sonawane (Guest)	Joined	8/27/2021, 10:25:08 AM
Pallavi Magade (Guest)	Joined	8/27/2021, 10:25:09 AM
Shreyash Bhovate	Joined	8/27/2021, 10:26:29 AM
Anagha Pawar (Guest)	Joined	8/27/2021, 10:27:17 AM
Tejaswi Chavan (Guest)	Joined	8/27/2021, 10:28:13 AM
Kishor lekurwale	Joined	8/27/2021, 10:28:21 AM
20.VIVEK JADHAV (Guest)	Joined	8/27/2021, 10:28:29 AM
Tejaswini Adhav (Guest)	Joined	8/27/2021, 10:28:47 AM
Abhijeet Swami (Guest)	Joined	8/27/2021, 10:28:54 AM
Yashashree Patil (Guest)	Joined	8/27/2021, 10:29:20 AM
Neeraj Arun Gangurde	Joined	8/27/2021, 10:30:00 AM
Sajan Chavan (Guest)	Joined	8/27/2021, 10:30:33 AM
Narendrakumar Mittewad (Guest)	Joined	8/27/2021, 10:30:43 AM
12 Mohit Chavhan (Guest)	Joined	8/27/2021, 10:31:16 AM
Shubham Ghadlinge	Joined	8/27/2021, 10:31:17 AM
Ujwala Deshmukh	Joined	8/27/2021, 10:31:21 AM
ROHIT KAMBLE 13 (Guest)	Joined	8/27/2021, 10:31:27 AM
Suman Yadav (Guest)	Joined	8/27/2021, 10:31:30 AM
Sahil Patil (Guest)	Joined	8/27/2021, 10:31:33 AM
Yogesh Pawara (Guest)	Joined	8/27/2021, 10:31:33 AM
Sanket Kondvilakar (Guest)	Joined	8/27/2021, 10:31:34 AM
AKSHAT AGRAWAL (Guest)	Joined	8/27/2021, 10:31:37 AM
Nandkishor munde	Joined	8/27/2021, 10:31:44 AM
jadhav Vasundhara (Guest)	Joined	8/27/2021, 10:31:46 AM
Pawan Mali (Guest)	Joined	8/27/2021, 10:31:46 AM
Ranjit Bhosle (Guest)	Joined	8/27/2021, 10:31:47 AM
Rushikesh Kohale (Guest)	Joined	8/27/2021, 10:31:49 AM
Gaurav Rokade (Guest)	Joined	8/27/2021, 10:31:51 AM
Sandesh Zore	Joined	8/27/2021, 10:31:55 AM
Tapasya Jadhav	Joined	8/27/2021, 10:31:57 AM
Nilesh Shivpuje	Joined	8/27/2021, 10:32:06 AM
Sangram Chandrakant Patil	Joined	8/27/2021, 10:32:07 AM
Prathamesh Gaikwad 36 (Guest)	Joined	8/27/2021, 10:32:08 AM
Ganaraj Butle	Joined	8/27/2021, 10:32:10 AM
Mahesh Dhumal (Guest)	Joined	8/27/2021, 10:32:17 AM

Vaishnavi Khande (Guest)	Joined	8/27/2021, 10:32:26 AM
DEVRAJ SHIRSATH (Guest)	Joined	8/27/2021, 10:32:28 AM
Gauri Nikam (Guest)	Joined	8/27/2021, 10:32:30 AM
Shantanu Mandale	Joined	8/27/2021, 10:32:33 AM
Gayatri Pandit (Guest)	Joined	8/27/2021, 10:32:44 AM
Atharva Ghogare (Guest)	Joined	8/27/2021, 10:33:02 AM
Antesh 51 (Guest)	Joined	8/27/2021, 10:33:05 AM
Shivraj Patil. 53 (Guest)	Joined	8/27/2021, 10:33:10 AM
Sakshi Shinde	Joined	8/27/2021, 10:33:23 AM
Kiran Patil (Guest)	Joined	8/27/2021, 10:33:51 AM
Yukta Sawant (Guest)	Joined	8/27/2021, 10:33:55 AM
Amol Rashinkar (Guest)	Joined	8/27/2021, 10:34:17 AM
PRATHAM PANDILWAR (Guest)	Joined	8/27/2021, 10:34:26 AM
Shravani Patil	Joined	8/27/2021, 10:34:48 AM

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Department of Civil Engineering

One Day Workshop on MSP Software Report

Name of Activity	One Day Workshop
Name of Event	One Day Workshop on MSP Software
DATE	**27th August 2021, 01.30pm**
Organize by	Prof. S.C.Patil
Present student	34

Bharati Vidyapeeth's College of Engineering, Pune organize the one day workshop on MSP software by Mr. Ajinkya Gaikwad (Team lead and Sr. Corporate Trainer) on 27th August 2021, 01.30pm for all SE, TE,BE Student. The one day workshop organizes by Prof. S.C. Patil from Civil Engineering Department.

Name of Speaker : Mr. Ajinkya Gaikwad

Designation: (Team lead and Sr. Corporate Trainer) CADD Center Aundh, Pune.

What is MSP ?

Microsoft Project is a project management software product, developed and sold by Microsoft. It is designed to assist a project manager in developing a schedule, assigning resources to tasks, tracking progress, managing the budget, and analyzing workloads.

Microsoft Project was the company's third Microsoft Windows-based application. Within a few years after its launch, it became the dominant PC-based project management software.

It is part of the Microsoft Office family but has never been included in any of the Office suites. It is available currently in two editions, Standard and Professional. Microsoft Project's proprietary file format is .mpp.

Microsoft Project and Microsoft Project Server are the cornerstones of the Microsoft Office enterprise project management (EPM) product

Today's guest discuss about its futures and its use in civil Engineering Planning

What is Project Planning?

Project creates budgets based on assignment work and resource rates. As resources are assigned to tasks and assignment work estimated, the program calculates the cost, equal to the work times the rate, which rolls up to the task level and then to any summary tasks and finally to the project level. Resource definitions (people, equipment and materials) can be shared between projects using a shared resource pool. Each resource can have its own calendar, which defines what days and shifts a resource is available. Resource rates are used to calculate resource assignment costs which are rolled up and summarized at the resource level. Each resource can be assigned to multiple tasks in multiple plans and each task can be assigned multiple resources, and the application schedules task work based on the resource availability as defined in the resource calendars. All resources can be defined in label without limit. Therefore, it cannot determine how many finished products can be produced with a given amount of raw materials. This makes Microsoft Project unsuitable for solving problems of available materials constrained production. Additional software is necessary to manage a complex facility that produces physical goods.

What is Application?

The application creates critical path schedules, and critical chain and event chain methodology third-party add-ons also are available. Schedules can be resource leveled, and chains are visualized in a Gantt chart. Additionally, Microsoft Project can recognize different classes of users. These different classes of users can have differing access levels to projects, views, and other data. Custom objects such as calendars, views, tables, filters, and fields are stored in an enterprise global which is shared by all users.

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Photo Gallery: One Day Workshop on MSP Software

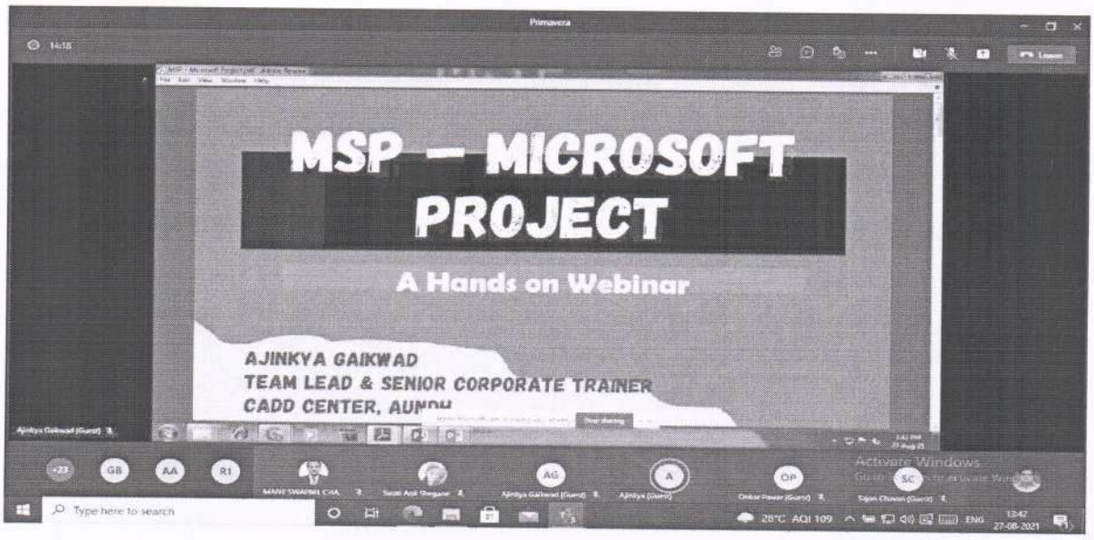


Photo No. 01. Introduction about MSP given by Mr. Ajinkya Gaikwad

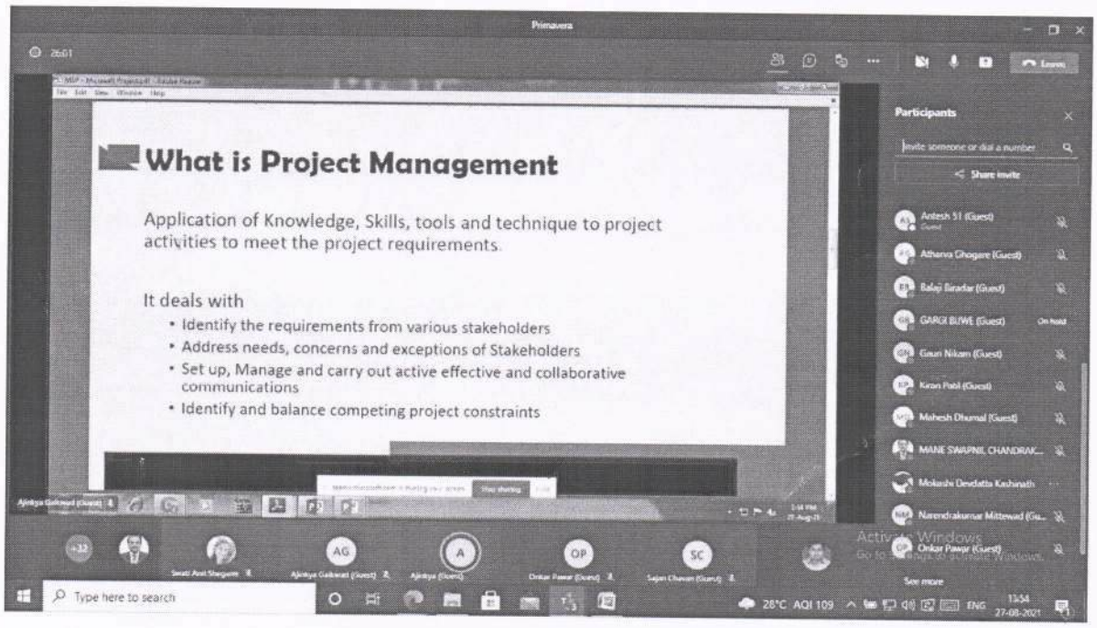


Photo No. 02 What is MSP Explain by Mr. Ajinkya Gaikwad

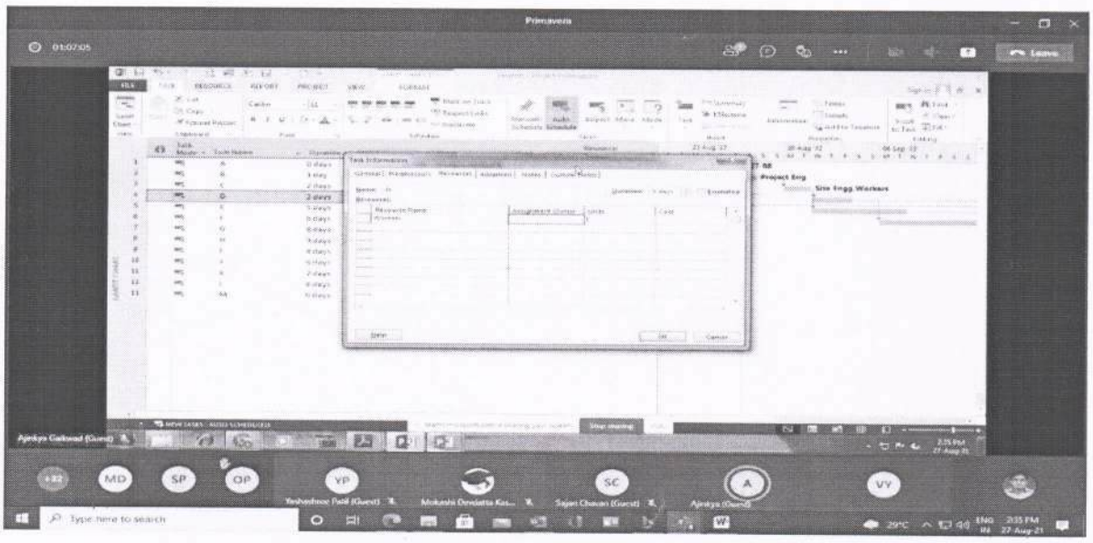


Photo No. 03 Practical demonstration of MSP Software given by Mr. Ajinkya Gaikwad

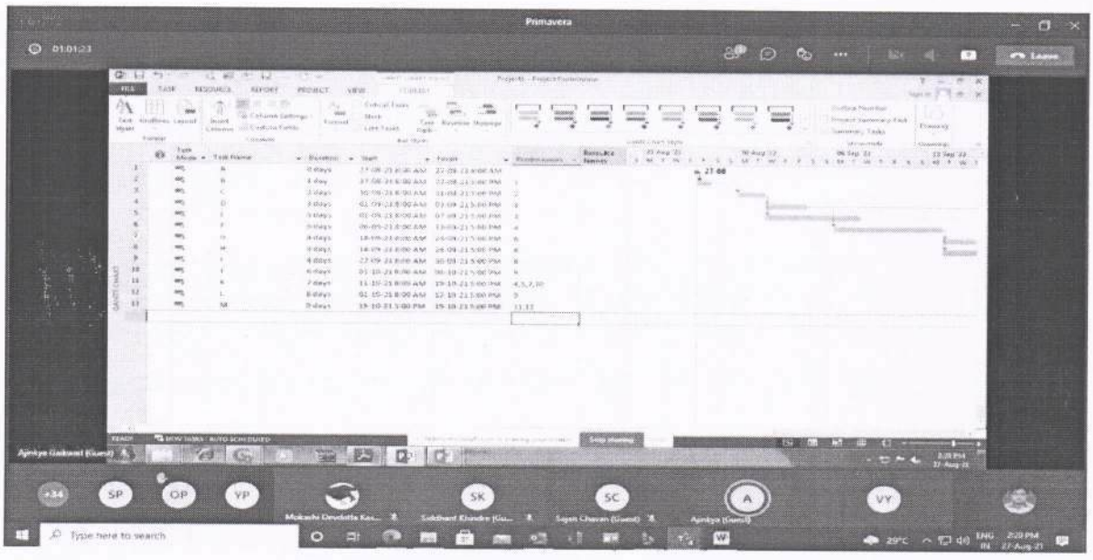


Photo No. 04 Practical demonstration of MSP Software given by Mr. Ajinkya Gaikwad

THANK YOU

Bharati Vidyapeeth's College of Engineering, Lavale, Pune.

Department of Civil Engineering

One Day Workshop on MSP Software

Meeting Summary	
Total Number of Participants	59
Meeting Title	General
Meeting Start Time	8/27/2021, 11:58:12 AM
Meeting End Time	8/27/2021, 3:30:12 PM
Debug Id	546ada5e-c415-429b-bf5e-2be2d6c8f2a2

Sr.No.	Full Name	Join Time	Leave Time
1	Onkar Pawar	8/27/2021, 11:58:12 AM	8/27/2021, 1:11:30 PM
2	GARGI BIJWE	8/27/2021, 12:39:50 PM	8/27/2021, 12:53:31 PM
3	Narendrakumar Mittewad	8/27/2021, 12:00:10 PM	8/27/2021, 12:52:42 PM
4	Yogesh Pawara	8/27/2021, 12:00:37 PM	8/27/2021, 1:11:34 PM
5	Sajan Chavan	8/27/2021, 12:00:38 PM	8/27/2021, 1:10:26 PM
6	Sangram Chandrakant Patil	8/27/2021, 12:00:38 PM	8/27/2021, 1:11:40 PM
7	Sahil Patil	8/27/2021, 12:00:41 PM	8/27/2021, 1:10:24 PM
8	ANAND REDDY (Guest)	8/27/2021, 12:01:08 PM	8/27/2021, 1:10:47 PM
9	Ishwar Bodake	8/27/2021, 12:01:12 PM	8/27/2021, 12:25:59 PM
10	MANE SWAPNIL CHANDRAKANT	8/27/2021, 12:01:52 PM	8/27/2021, 1:37:03 PM
11	Umesh dhande	8/27/2021, 12:02:01 PM	8/27/2021, 12:04:15 PM
12	Kiran Patil	8/27/2021, 12:02:11 PM	8/27/2021, 1:11:16 PM
13	Abhijeet Swami	8/27/2021, 12:02:55 PM	8/27/2021, 1:04:36 PM
14	Ujwala Deshmukh	8/27/2021, 12:02:56 PM	8/27/2021, 1:12:24 PM
15	Nandkishor munde	8/27/2021, 12:03:23 PM	8/27/2021, 1:10:54 PM
16	Sakshi Shinde	8/27/2021, 12:03:25 PM	8/27/2021, 1:11:02 PM
17	Shantanu Mandale	8/27/2021, 12:03:33 PM	8/27/2021, 1:11:08 PM
18	Mokashi Devdatta Kashinath	8/27/2021, 12:04:21 PM	8/27/2021, 12:08:30 PM
19	Aishwarya Dubole	8/27/2021, 12:04:38 PM	8/27/2021, 12:23:24 PM
20	Chirag	8/27/2021, 12:04:47 PM	8/27/2021, 12:08:56 PM
21	Swati Anil Shegane	8/27/2021, 12:05:13 PM	8/27/2021, 1:12:56 PM
22	20.VIVEK JADHAV	8/27/2021, 12:06:35 PM	8/27/2021, 1:10:56 PM
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24	Pallavi Magade	8/27/2021, 12:07:04 PM	8/27/2021, 12:11:47 PM
25	12 Mohit Chavhan	8/27/2021, 12:07:36 PM	8/27/2021, 12:08:46 PM
26	Gauri Nikam	8/27/2021, 12:07:39 PM	8/27/2021, 1:14:30 PM
27	Tejaswini survase	8/27/2021, 12:08:30 PM	8/27/2021, 12:30:49 PM
28	Umesh dhande	8/27/2021, 12:09:25 PM	8/27/2021, 1:10:51 PM
29	Abhishek Avhad	8/27/2021, 12:09:43 PM	8/27/2021, 12:09:58 PM
30	Kishor lekurwale	8/27/2021, 12:10:17 PM	8/27/2021, 12:12:05 PM
31	Tapasya Jadhav	8/27/2021, 12:10:17 PM	8/27/2021, 1:11:45 PM
32	Shravani Patil	8/27/2021, 12:10:29 PM	8/27/2021, 12:11:03 PM
33	Vishal Yamgar	8/27/2021, 12:11:26 PM	8/27/2021, 1:12:44 PM
34	Tejaswi Chavan	8/27/2021, 12:11:37 PM	8/27/2021, 1:10:37 PM
35	PRATHAM PANDILWAR	8/27/2021, 12:11:41 PM	8/27/2021, 12:11:53 PM

Bharati Vidyapeeth's College of Engineering, Lavale, Pune.

Department of Civil Engineering

One Day Workshop on MSP Software

Meeting Summary

Total Number of Participants	59
Meeting Title	General
Meeting Start Time	8/27/2021, 11:58:12 AM
Meeting End Time	8/27/2021, 3:30:12 PM
Debug Id	546ada5e-c415-429b-bf5e-2be2d6c8f2a2

Sr.No.	Full Name	Join Time	Leave Time
36	Sugam Gongale	8/27/2021, 12:12:36 PM	8/27/2021, 1:10:57 PM
37	Varun Pawar	8/27/2021, 12:13:27 PM	8/27/2021, 1:10:56 PM
38	Pallavi Magade	8/27/2021, 12:13:41 PM	8/27/2021, 1:18:13 PM
39	ROHIT KAMBLE 13	8/27/2021, 12:13:53 PM	8/27/2021, 12:22:54 PM
40	Yash Suryawanshi	8/27/2021, 12:17:07 PM	8/27/2021, 1:14:56 PM
41	Siddhant Khindre	8/27/2021, 12:17:08 PM	8/27/2021, 1:11:31 PM
42	Kankshini Mendke	8/27/2021, 12:17:24 PM	8/27/2021, 1:06:03 PM
43	Omkar Yadav	8/27/2021, 12:17:30 PM	8/27/2021, 12:39:07 PM
44	Pranjal Patil	8/27/2021, 12:20:22 PM	8/27/2021, 1:12:15 PM
45	Pratiksha Jadhav	8/27/2021, 12:20:25 PM	8/27/2021, 12:37:05 PM
46	Mahesh Dhumal	8/27/2021, 12:21:31 PM	8/27/2021, 1:11:10 PM
47	Tejodeep Korpe	8/27/2021, 12:23:46 PM	8/27/2021, 12:49:16 PM
48	buddhabhushan.bhagat-bvcoel	8/27/2021, 12:25:31 PM	8/27/2021, 1:10:31 PM
49	Dheeraj Dixit	8/27/2021, 12:26:06 PM	8/27/2021, 1:10:59 PM
50	Sonal Jagtap	8/27/2021, 12:26:06 PM	8/27/2021, 1:17:02 PM
51	ROHIT KAMBLE 13	8/27/2021, 12:26:09 PM	8/27/2021, 12:54:12 PM
52	Prathamesh Gaikwad	8/27/2021, 12:29:29 PM	8/27/2021, 12:45:07 PM
53	Amol Rashinkar	8/27/2021, 12:29:30 PM	8/27/2021, 1:00:19 PM
54	Vaishnavi Khande	8/27/2021, 12:30:49 PM	8/27/2021, 1:05:20 PM
55	rahul patil 67	8/27/2021, 12:31:08 PM	8/27/2021, 1:10:30 PM
56	yukta.sawant-bvcoel	8/27/2021, 12:42:05 PM	8/27/2021, 1:11:35 PM
57	Suman Yadav	8/27/2021, 12:42:58 PM	8/27/2021, 1:11:48 PM
58	Sanket Kondvilakar	8/27/2021, 12:43:12 PM	8/27/2021, 12:55:41 PM
59	Priyanka Khavare	8/27/2021, 1:59:06 PM	8/27/2021, 2:00:01 PM

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Civil Engineering
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Advanced software's Use in Civil Engineering Session No.03 Feedback

30
Responses

01:16
Average time to complete

Closed
Status

1. Name of Student

30
Responses

Latest Responses
"tejaswi chavan"
"Anmol Gotmukle"
"Neha Shantaram Potghan"

2. Class

30
Responses

Latest Responses
"BE civil"
"Advanced softwares use in civil engineering session"
"BE Civil "

3. Roll No.

30
Responses

Latest Responses
"26"
"5"
"31"

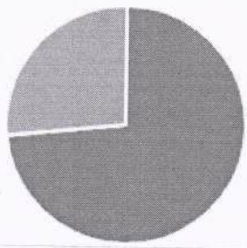
4. Contact Number

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Responses

Latest Responses
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"8600841305"
"9923314376"

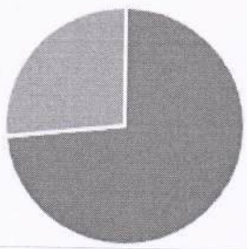
5. How well the Resource Person explained the concepts?

Extremely well	22
Somewhat well	8
Neutral	0
Somewhat not well	0
Extremely not well	0



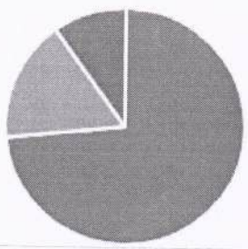
6. How helpful was the session for you?

Very helpful	22
Somewhat helpful	8
Neither helpful nor unhelpful	0
Somewhat unhelpful	0
Very unhelpful	0



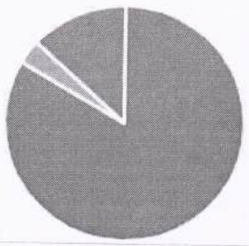
7. How was the Question & Answer session?

Good	22
Fair	5
Poor	0
Very good	3
Exceptional	0



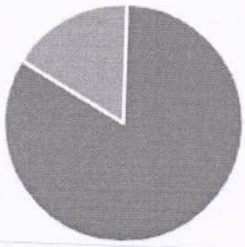
8. Is the duration sufficient for the session?

Yes	25
No	1
Maybe	4



9. Are you interested to join a Microsoft Project course?

Yes	25
No	5



10. Other suggestions, if any

10
Responses

Latest Responses

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Department of Civil Engineering

Date: 13/03/2020

NOTICE

All the students of SE,TE and BE Civil Engineering are hereby informed that, Bharati Vidyapeeth College of Engineering, Lavale, Pune; Department of Civil Engineering has organized a Webinar on *' Skill Based Learning for Construction Professionals'* on 16th March 2020 at 1.30PM. Mr. Rajesh Nale, Assistant Project Manager, Goel Ganga Infrasturcture will be guest speaker for the webinar.

Students are instructed to take advantage of such an informative session with full attendance. Joining Link of Microsoft teams will be shared soon.

Mr. N.A. Gangurde
Assistant Professor
Dept. of Civil Engineering

Prof. U.S.Patil
HOD
Dept. of Civil Engineering

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

Bharati Vidyapeeth's

College of Engineering, Lavale

Department of Civil Engineering

A Report on,

Skill Based Learning for Construction Professionals

Presented By,

Mr. Rajesh Nale,

Assistant Project Manager, Goel Ganga Infrastructure, Pune.

Date: 16/03/2020

Title: Skill-Based Learning for Construction Professionals

Abstract:

The construction industry is evolving rapidly, and the demand for skilled professionals is higher than ever. This seminar report explores the significance of skill-based learning for construction professionals, highlighting the need for continuous education and training in a dynamic and competitive environment. The report covers various aspects, including the current state of the construction industry, emerging trends, and the importance of honing specific skills to meet the industry's demands.

1. Introduction:

1.1 Background:

- Overview of the construction industry and its importance in global economies.
- Growing complexities and challenges faced by construction professionals.

1.2 Objectives:

- Understand the changing landscape of the construction industry.
- Emphasize the role of skill-based learning in professional development.
- Explore specific skills essential for construction professionals.

2. Current State of the Construction Industry:

2.1 Global Construction Trends:

- Overview of current trends shaping the construction sector.
- Technological advancements and their impact on construction practices.

2.2 Challenges Faced by Construction Professionals:

- Labor shortages and the need for skilled workers.
- Increasing project complexities and timelines.

3. The Need for Skill-Based Learning:

3.1 Continuous Professional Development (CPD):

- Importance of CPD for staying competitive.
- Lifelong learning as a key factor in professional success.

3.2 Advantages of Skill-Based Learning:

- Increased job opportunities.
- Enhanced problem-solving abilities.
- Improved project management skills.

4. Essential Skills for Construction Professionals:

4.1 Technical Skills:

- Proficiency in the use of construction technologies.
- Building information modeling (BIM) expertise.

4.2 Project Management Skills:

- Efficient planning and scheduling.
- Budgeting and cost management.

4.3 Communication and Collaboration Skills:

- Effective communication with team members and stakeholders.
- Collaboration in multidisciplinary environments.

4.4 Safety and Risk Management:

- Understanding and implementing safety protocols.
- Managing and mitigating project risks.

5. Implementing Skill-Based Learning Programs:

5.1 Training and Development Initiatives:

- Overview of existing training programs for construction professionals.
- Integration of technology in training modules.

5.2 Industry Partnerships:

- Collaboration between educational institutions and industry stakeholders.
- Apprenticeship programs and on-the-job training.

6. Case Studies:

6.1 Successful Implementation of Skill-Based Learning:

- Examples of companies or professionals benefiting from skill-based learning.
- Measurable outcomes and improvements observed.

7. Future Trends in Construction Professional Development:

7.1 Emerging Technologies:

- The role of artificial intelligence, augmented reality, and virtual reality.
- Sustainable construction practices and their impact on skill requirements.

7.2 Globalization and Diversity:

- Adapting to diverse working environments.
- Cross-cultural communication skills.

8. Conclusion:

8.1 Recap of Key Findings:

- The importance of skill-based learning in the construction industry.
- Identified essential skills for construction professionals.

8.2 Recommendations:

- Encouraging ongoing education and training.
- Promoting a culture of skill development within the industry.

8.3 Future Prospects:

- The potential impact of skill-based learning on the future of construction.

Skill-based learning refers to an educational approach that focuses on developing specific, practical skills rather than just acquiring theoretical knowledge. This type of learning is often hands-on and application-oriented, emphasizing the mastery of abilities that are directly relevant to a particular profession or field. Skill-based learning is gaining prominence across various industries and educational settings due to its effectiveness in preparing individuals for real-world challenges. Here are key aspects and benefits of skill-based learning:

1. **Practical Application:**
    - Skill-based learning emphasizes the practical application of knowledge. Learners actively engage in tasks and projects that require the application of specific skills.
2. **Relevance to Industry Needs:**
    - The skills taught are directly relevant to the needs of specific industries or professions. This ensures that learners acquire the capabilities sought by employers, making them more employable.
3. **Hands-On Training:**
    - Learning by doing is a fundamental principle of skill-based learning. It often involves hands-on training, simulations, internships, and other experiential learning methods.
4. **Adaptability:**

- Skill-based learning fosters adaptability by preparing individuals to respond to evolving industry trends and technological advancements. It equips learners with the ability to quickly apply their skills in new and changing environments.

5. **Problem-Solving Skills:**
   - The emphasis on practical skills inherently involves problem-solving. Learners develop the ability to analyze situations, identify challenges, and apply their skills to find effective solutions.
6. **Efficient Learning Curve:**
   - Skill-based learning can result in a more efficient learning curve. By focusing on specific skills, learners can acquire the necessary competencies in a shorter timeframe compared to traditional, more comprehensive approaches.
7. **Personalized Learning:**
   - This approach allows for more personalized learning experiences. Learners can tailor their education to focus on the skills that align with their career goals and interests.
8. **Measurable Outcomes:**
   - Skill-based learning often leads to tangible and measurable outcomes. Assessments can be designed to evaluate the mastery of specific skills, providing a clear indication of a learner's proficiency.
9. **Continuous Improvement:**
   - Given the dynamic nature of many industries, skill-based learning encourages a mindset of continuous improvement. Professionals are motivated to continually update and enhance their skills throughout their careers.
10. **Collaborative Learning:**
    - Many skills are best learned through collaboration. Skill-based learning often involves teamwork, communication, and the ability to work effectively with others.
11. **Career Advancement:**
    - Acquiring relevant skills positions individuals for career advancement. Employers often prioritize candidates and employees who possess the specific skills required for a particular role.
12. **Digital and Technical Skills:**
    - In today's digital age, skill-based learning often includes the development of digital and technical skills, such as coding, data analysis, and proficiency with specific software tools.

Skill-based learning in the construction industry is crucial for preparing professionals to navigate the complexities of building projects efficiently and safely. Given the diverse tasks and responsibilities involved in construction, skill-based learning becomes a cornerstone for success. Here are some key aspects of skill-based learning in the context of the construction industry:

1. **Technical Skills:**
   - **Carpentry and Masonry:** Hands-on training in carpentry and masonry techniques for building structures.
   - **Equipment Operation:** Proficiency in operating construction machinery, such as excavators, bulldozers, and cranes.

- **Surveying and Layout:** Learning to use surveying tools for accurate project layout and measurements.

2. **Construction Project Management:**
   - **Scheduling and Planning:** Developing skills in project scheduling, resource allocation, and timeline management.
   - **Budgeting:** Understanding and managing project budgets, including cost estimation and financial planning.
   - **Risk Management:** Identifying and mitigating potential risks associated with construction projects.
3. **Building Information Modeling (BIM):**
   - **3D Modeling:** Training on creating and utilizing 3D models for project visualization and planning.
   - **Collaborative BIM:** Learning to collaborate with various stakeholders through shared BIM platforms.
4. **Safety Protocols and Practices:**
   - **OSHA Compliance:** Understanding and adhering to Occupational Safety and Health Administration (OSHA) regulations.
   - **Emergency Response:** Training for handling on-site emergencies and ensuring the safety of workers.
5. **Communication and Collaboration:**
   - **Teamwork:** Developing effective communication and collaboration skills for working with diverse construction teams.
   - **Client Interaction:** Learning to communicate with clients, architects, and other project stakeholders.
6. **Green Building and Sustainable Practices:**
   - **LEED Certification:** Understanding the principles of Leadership in Energy and Environmental Design (LEED) for sustainable construction.
   - **Energy-Efficient Practices:** Incorporating energy-efficient and environmentally friendly construction methods.
7. **Quality Control:**
   - **Inspection and Testing:** Acquiring skills in quality control through regular inspection and testing of materials and workmanship.
   - **Compliance Checks:** Ensuring compliance with building codes and regulations.
8. **Problem-Solving Skills:**
   - **Adapting to Changes:** Developing the ability to adapt to changes in project scope, design, or unexpected challenges.
   - **Critical Thinking:** Training to think critically and find practical solutions to construction-related issues.
9. **Digital Literacy:**
   - **Construction Software:** Learning to use software tools for project management, scheduling, and collaboration.
   - **Drones and Robotics:** Understanding the applications of drones and robotics in construction for surveying and monitoring.
10. **Continuous Learning and Professional Development:**
    - **Staying Updated:** Recognizing the need for continuous learning to stay updated on the latest construction technologies and methodologies.

- **Certifications and Training Programs:** Participating in industry-specific certifications and training programs.

Skill-based learning in construction ensures that professionals are well-equipped to handle the diverse challenges posed by construction projects. It not only enhances individual capabilities but also contributes to the overall efficiency, safety, and success of construction endeavors.

Meeting Summary	
Total Number of Participants	
Meeting Title	Skill Based Learning For Construction Professionals
Meeting Start Time	3/16/2020, 2:08:35 PM
Meeting End Time	3/16/2020, 2:53:53 PM
Meeting Id	1f79a70a-6292-4ec5-8f94-1480c89bd0eb

Full Name	Email	Role	Participant ID (UPN)
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pravin chavan		Presenter	
Vikas chaudhary		Presenter	
Pranav Chandrekar (Guest)		Presenter	
tanmay jadhav (51)		Presenter	
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INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education Initiative)

Department of Civil Engineering

Date: 12/10/2020

NOTICE

All the SE TE and BE students are informed that Department of Civil Engineering, organizing the seminar session on "**REAL ESTATE**" on 15-10-2020 Thursday at 11:30am. In the session speakers is going to explain the various documents to be sanctioned before starting of work along with what are the safety measure to be taken while execution of work so all students instructed to attend the same.

Prof. S. T. Rathod

Prof. U.S.Patil
HOD

Head
Dept. of Civil Engineering,
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune 412 115

Bharati Vidyapeeth's

College of Engineering Lavale Pune-412115

A SeminarReport on - REAL ESTATE

Bharati Vidyapeeth's College of Engineering, Lavale, Pune Department of Civil Engineering, organized the session on "REAL ESTATE" under the co- ordination of Prof. S T Rathod Sir, Prof. Uday Patil Sir (HOD, CIVIL), Prof. R. N. Patil (Principal). The session was organized for all the students from SE, TE, BE of Civil Engineering of the college. The seminar was delivered on the Teams App. The topic of the seminar was "REAL ESTATE". The seminar was held on 15th Oct, 2020, Thursday at 11:30 a.m. The seminar was delivered by the renowned Developer Mr. Prashant P Patil who is the Founder of Apex Consultant, Apex Reality and Patil Developers. Mr. Prashant P Patil was the main speaker of the seminar and all the technical team was on the help.

Recently, Apex Consultant's have number of Live Projects over the State. Sukhakarta, Cool Homes, Laxmi Township, Adarsh Hi – Tech, Pvt, ITI, Bhusawal, Patil Developers and Apex Consultant's. these are the Live Projects of Apex Consultant's.

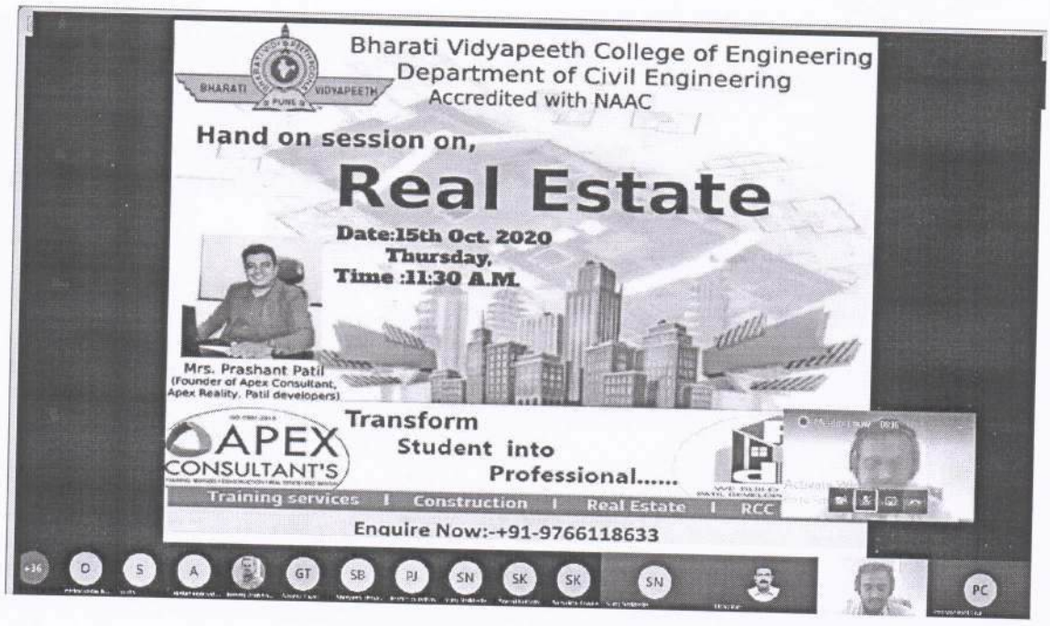
Mr. S T Rathod Sir and all the Teaching Staffs along with the Students, welcomed the guest Mr. Prashant P Patil Sir to deliver the Online Seminar.

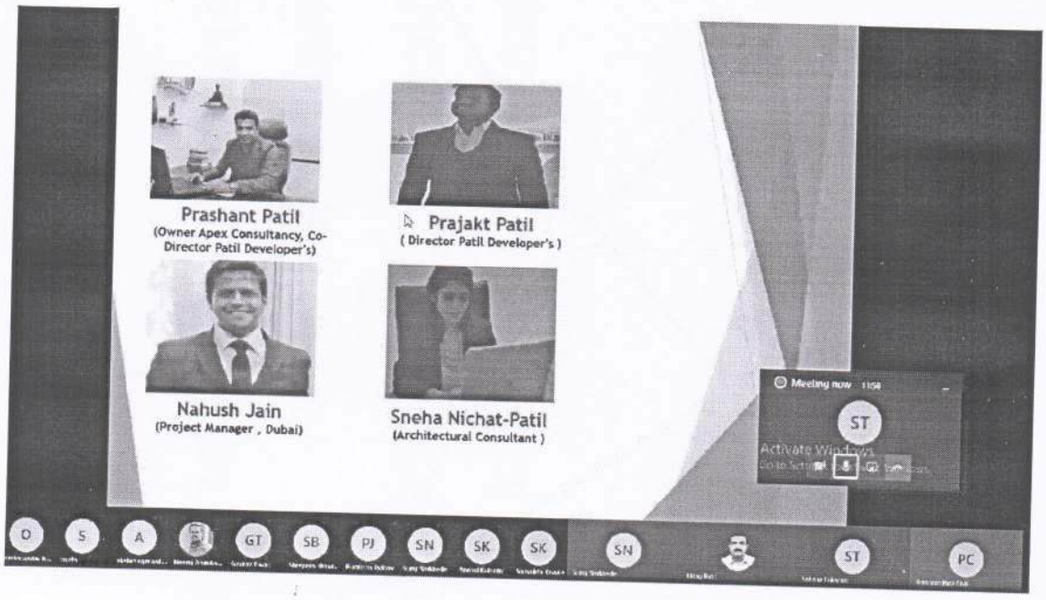
Mr. Prashant P Patil Sir began with the introduction of their upcoming 3 Projects. Speciality of that Project is that, The Apex Consultant's need to sanction 3 Bungalows in 2 Plots which is owned by 3 Clients. The session was interactive one. The speaker asked the students the meaning of the Real Estate. After that, Sir told the meaning of Real Estate with stating various examples. He told the Advantages and the Disadvantages of the Real Estate. In between the seminar they told many live and real incidents they and their team came forward to. 'Real Estate is a real life situation. So, it can't be learn or taught in any institute. We have to face it with our own strength and experience'. This was the main motive, they wanted, students should understand; that they delivered in very impressive way.

While developing your career as a Real Estate Consultant you should know some basic terms related to development, designing, planning, construction. Sir made students aware of the terms like 7/12, Property Tax, NA Order, RERA, search Report, etc. Sir added, "In Real Estate you can work full time or part time, and you can help your family and friends". Mr. Patil told about the requirements, one should build in themselves. One should have Social Skills, Common Sense, Ability of Decision Making and many such things with the help of real life examples. They gave the brief explanation on 'How to Purchase Land/ Plot with examples of different Projects they developed. The complete process from Buying Agriculture Land to selling it was explained. The complete process of "How to become a Real Estate Consultant? Was explained with detailed points

Second part of the seminar was 'The Construction Process'. The speaker told, that, how a Real Estate Consultant have to deal with the agencies as a Builder. There are around 7 Consultants (Structural Consultant, Architect, Listening Consultant, MEP Consultant, 3D view Agency, Construction Management Consultant, Quantity Surveyor); 14 Contractors, 7 for Site Work - 1 (RCC Contractor, Masonry and Plaster Work Contractor, Flooring Work Contractor, Waterproofing Contractor, Painting Contractor, Electrical Work Contractor) and another 7 Contractors for Site Work – 2 (Doors and Windows Contractor, Lift Contractor, MSEB Work and DP work Contractor, Steel Railing Contractor, Site Labour, Excavation/ Refilling Team[JCB and Labour], Boring Contractor for Water); and 10 Suppliers (Sand & Khadi, Cement & Steel, Bricks/ Blocks, Flooring Tiles, Granite & Marble, Paint, Electrical Fitting & Wires, Plumbing Fittings & Accessories).

At the end of the session there was Question & Answer Session. Students asked their queries and got desired answers by the speaker. The session was concluded by the vote of thanks of Prof. Uday Patil sir (HOD, CIVIL). Overall, the session was completely interactive and everything was explained in a very conventional way.





S.T.Rathod

U.S.Patil
H.O.D
Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale,Pune

Bharati Vidyapeeth's College of Engineering, Lavale		
Department of Civil Engineering		
Attendance of Seminar on Real Estate		
Full Name	User Action	Timestamp
Satisha Tukaram	Joined	10/15/2020, 11:28:38 AM
prashant patil	Joined before	10/15/2020, 11:28:38 AM
Bharat Namwad (Guest)	Joined before	10/15/2020, 11:28:38 AM
Suraj Narkhede	Joined before	10/15/2020, 11:28:38 AM
Suraj Narkhede	Joined	10/15/2020, 11:29:11 AM
Suraj Narkhede	Joined	10/15/2020, 12:14:02 PM
Pranjal Ugale	Joined	10/15/2020, 11:28:44 AM
yukta.sawant-bvcoel	Joined	10/15/2020, 11:28:58 AM
Abhishek Birajdar (Guest)	Joined	10/15/2020, 11:29:03 AM
Abhijeet Dhawale (Guest)	Joined	10/15/2020, 11:29:34 AM
Suraj Narkhede	Joined	10/15/2020, 11:29:58 AM
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Gauri Nikam (Guest)	Joined	10/15/2020, 11:31:15 AM
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RESHU SINGH (Guest)	Joined	10/15/2020, 11:31:26 AM
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Anmol Gotmukle (Guest)	Joined	10/15/2020, 11:32:57 AM
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ADITYA KARANDE (Guest)	Joined	10/15/2020, 11:34:15 AM
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Nilesh Shivpuje	Joined	10/15/2020, 11:37:00 AM
Tejaswi Chavan (Guest)	Joined	10/15/2020, 11:37:05 AM
Pranil Samindre (Guest)	Joined	10/15/2020, 11:37:08 AM
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Buddhabhushan Bhagat	Joined	10/15/2020, 11:37:26 AM
Onkar Waghirkar (Guest)	Joined	10/15/2020, 11:37:45 AM
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Tejodeep Korpe	Joined	10/15/2020, 11:38:24 AM
GARGI BIJWE (Guest)	Joined	10/15/2020, 11:38:49 AM
Vaibhav Kyatanakeri (Guest)	Joined	10/15/2020, 11:39:20 AM
Aniket wagh (Guest)	Joined	10/15/2020, 11:40:50 AM
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Aditya Kulkarni (Guest)	Joined	10/15/2020, 11:41:58 AM
Piyush Sonawane (Guest)	Joined	10/15/2020, 11:41:59 AM
Palak Varma (Guest)	Joined	10/15/2020, 11:43:01 AM
Palak Varma (Guest)	Joined	10/15/2020, 11:59:48 AM

MANE SWAPNIL CHANDRAKAN	Joined	10/15/2020, 11:43:57 AM
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Kshitij Jagdale (Guest)	Joined	10/15/2020, 11:44:55 AM
Rushikesh Pawar (Guest)	Joined	10/15/2020, 11:46:23 AM
Rushikesh Pawar (Guest)	Joined	10/15/2020, 11:59:21 AM
Gaurav Rokade (Guest)	Joined	10/15/2020, 11:48:10 AM
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Lalan Kulkarni	Joined	10/15/2020, 11:52:27 AM
Vikas chaudhary	Joined	10/15/2020, 11:55:26 AM
Prashant Mahadik	Joined	10/15/2020, 11:56:24 AM
Sabne Dnyneshwar	Joined	10/15/2020, 11:57:56 AM
Ajinkya Avaghade (Guest)	Joined	10/15/2020, 11:58:49 AM
Yevatikar Pramodsing (Guest)	Joined	10/15/2020, 11:59:10 AM
Shweta Khadse (Guest)	Joined	10/15/2020, 12:07:58 PM
Dhanshree Ramteke	Joined	10/15/2020, 12:10:05 PM

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Dept. of Civil Engineering
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College of Engineering Lavale, Pune

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INSTITUTION INNOVATION COUNCIL
(Ministry of Education Initiat

Department of Civil Engineering

Date: 23/10/2020

NOTICE

All the students of SE,TE and BE Civil Engineering are hereby informed that, Bharati Vidyapeeth College of Engineering, Lavale, Pune in association with CAAD Centre, Pune has organized a Webinar Series on *' Role of Software's in Civil Engineering Career Development'* from 26th Oct 2020 to 30th Oct2020, everyday at 01.00PM.

Students are instructed to take advantage of such a informative session with full attendance. Students will be awarded with Participation certificate on successful completion of sessions.

Mr. N.A. Gangurde
Assistant Professor
Dept. of Civil Engineering

Prof. U.S.Patil
HOD
Dept. of Civil Engineering

Dept. of Civil Engineering,
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune 412 115

Bharati Vidyapeeth College of Engineering

Lavale, Pune- 412 115, Maharashtra State.

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DEPATMENT OF CIVIL ENGINEERING

A Report on,

Webinar Series,

"ROLE OF SOFTWARES IN CIVIL ENGINEERING CAREER DEVELOPMENT"

Bharati Vidyapeeth's College of Engineering, Lavale, Pune's Department of Civil Engineering, in association with CAAD Centre, organized the Webinar Series On "Role of Software in Civil Engineering Career Development" under the guidance of Principal Dr. R.N.Patil Sir, Prof. Uday S. Patil (HOD, Civil) and co – ordinated by Prof. Neeraj Gangurde (Dept. of Civil Engg.), Mr. Tejas Joshi. The session was organised for all the students of SE, TE, BE of the college and other students from various colleges. The Webinar Series was delivered on the Teams App. The topic of the Webinar Series was "Role of Software in Civil Engineering Career Development". This was One Week Webinar Series announced from Monday, 26 October, 2020 to Friday, 30 October 2020 every day at 1:00 p.m. Five Team Members including Director of the CAAD Centre delivered the Webinar on the topic for 5 days. The speakers were Mr. KaustubhPanse (Director, CAAD Centre, Business Coach & Motivational Speaker), Mr. Kaushal Mishra (Director, CAAD Centre), Mr. Alok Sasane (Operations Head, CAAD Centre), Mr. SiddhantSakhare (Team Leader, CAAD Centre), Mrs. Shubhangi Patil (Sr. Corporate Trainer).

CAAD Centre has their branches all over the India and Abroad. They guide students for various courses like, AutoCAD, Revit Architecture, Staad Pro, BOQ, MS Project, Primavera, MSP. They run classes for students and professionals as well.

A five days seminar where each day one team member of CAAD Centre would deliver the seminar for 1 hour from 1:00 p.m. to 2:00 p.m.

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DAY – 1 [26 October, 2020; 1:00 p.m.]

Speaker :- Mr. KaustubhPanse

Topic :- Introduction to the Role of Software

Mr. KaustubhPanse Sir, who is the Director of the CAAD Centre. On the very first day he introduced to the students and the teaching staffs the CAAD Centre. Sir introduced students about the different roles of software that can be used by Civil Engineers to develop their career. The forum was open for the students to raise their queries. The complete team of the CAAD CENTRE cleared the doubts of the students. They introduced the various software to be used by the civil engineers in their career development. Sir shared the YouTube link of their channel where all the information about the various software is available.

Day – 2 [27 October, 2020 ; 1:00 p.m.]

Speaker :- Mrs. ShubhangiPatil

Topic :- Introduction to the Software Design (AutoCAD, REVIT)

Mrs. ShubhangiPatil Ma'am, who is the Sr. Corporate Trainer of the CAAD Centre. Ma'am explained the various software used by Civil Engineers for Designing and Building. She briefly told all the features and specialities of REVIT & AutoCAD. She showed some drafted plans of houses and bungalows. By sharing screen mode Ma'am drafted one building plan for making students understand the working of the AutoCAD software. Ma'am also added, which software one should learn and use for drafting. A civil engineer must be aware of different drafting software. At the end of the session, students cleared their doubts by asking the speaker.

Day – 3 [28 October, 2020 ; 1:00 p.m.]

Speaker :- Mr. AlokSasane

Topic :- Importance of Staad Pro &Etabs in Structural Design

Mr. Alok Sasane Sir, who is the Operations Head of the CAAD centre. Sir explained about different structures in civil engineering. Sir told about the MNC's Training Institute and Top Best of Best Training Institute where Master Diploma in Building Design Course can be completed. "10 Formulas" to Develop and Build your Ideas. They were accordingly, 1st Formula : "Create Goal Card", 3nd Formula : "250+ Project Portfolio", 4th Formula : "Search Software to Create Projects Portfolio", 6th Formula : " Don't Quit & fight For Destiny", 7thFormula : "Action", 9th Formula : "Avoid Mistakes", 10th Formula : CAAD Centre Design Studio" and other Formulas. Sir shared information about the package given to Building Designer i.e. about 40-80k/ month, and so is the career in this field. Efficiency by the use of new and developed structural designs can be seen now- a- days. Software like Staad Pro &Etabs helps a lot in the development. At the conclusion part of the session students could ask the queries to the presenter and they got the doubts solved.

Day – 4 [29 October, 2020 ; 1:00 p.m.]

Speaker :- Mr. SiddhantSakhare

Topic :- Trending Software in Civil Industry & Microsoft Project Management

Mr. SiddhantSakhare, who is the Team Leader of the CAAD Centre. Sir began with evoking the young Engineers by saying, "Upcoming Engineers need to be ready with Skilled Software". Important units of the session were, MSP & PRIMAVERA – Project Management Software Program. The software mainly used by the CAAD Centre while designing the different building plans. The main features of PRIMAVERA & MSP are, they generate the reports by themselves. The software enables you to stay informed and control Project work, Schedules as well as Finances. Sir suggested the use of these software for the Final Year Students to complete their Project Works.

BIM (Building Information Modelling) is one more structural 3D Designing process which can be done by using these softwares. Sir showed one visual model through the PPT.

The difference between MSP & PRIMAVERA was explained in the session. Sir made students understand the need of learning MSP & PRIMAVERA as earlier as possible. Sir added about Internship, "More Internship, More Experience, More Opportunity". Both the software can help student in getting Internships in 3rd year itself. Many topmost companies in

India uses MSP & PRIMAVERA. (Eg :- Larsen & Toubro, DLF, Punj Lloyd, Oberoi Reality, GE, and others).

There were many important points and information provided by the students. Questions & Answers session was conducted at the end of the session.

Day – 5 [30 October, 2020; 1:00 p.m.]

Speaker :- Mr. Kaushal Mishra

Topic :- Use of the software in Development of the Country

Mr. Kaushal Mishra, who is the Director of the CAAD Centre. Sir explained the complete development structure of the India in comparison with other countries.In the session sir added more points about the Master Diploma in Building Design. The session gave a brief information about the Construction Industry in India. Current Scenario of Construction Industry of India and expected increase and growth in this Industry with numerical values were added.

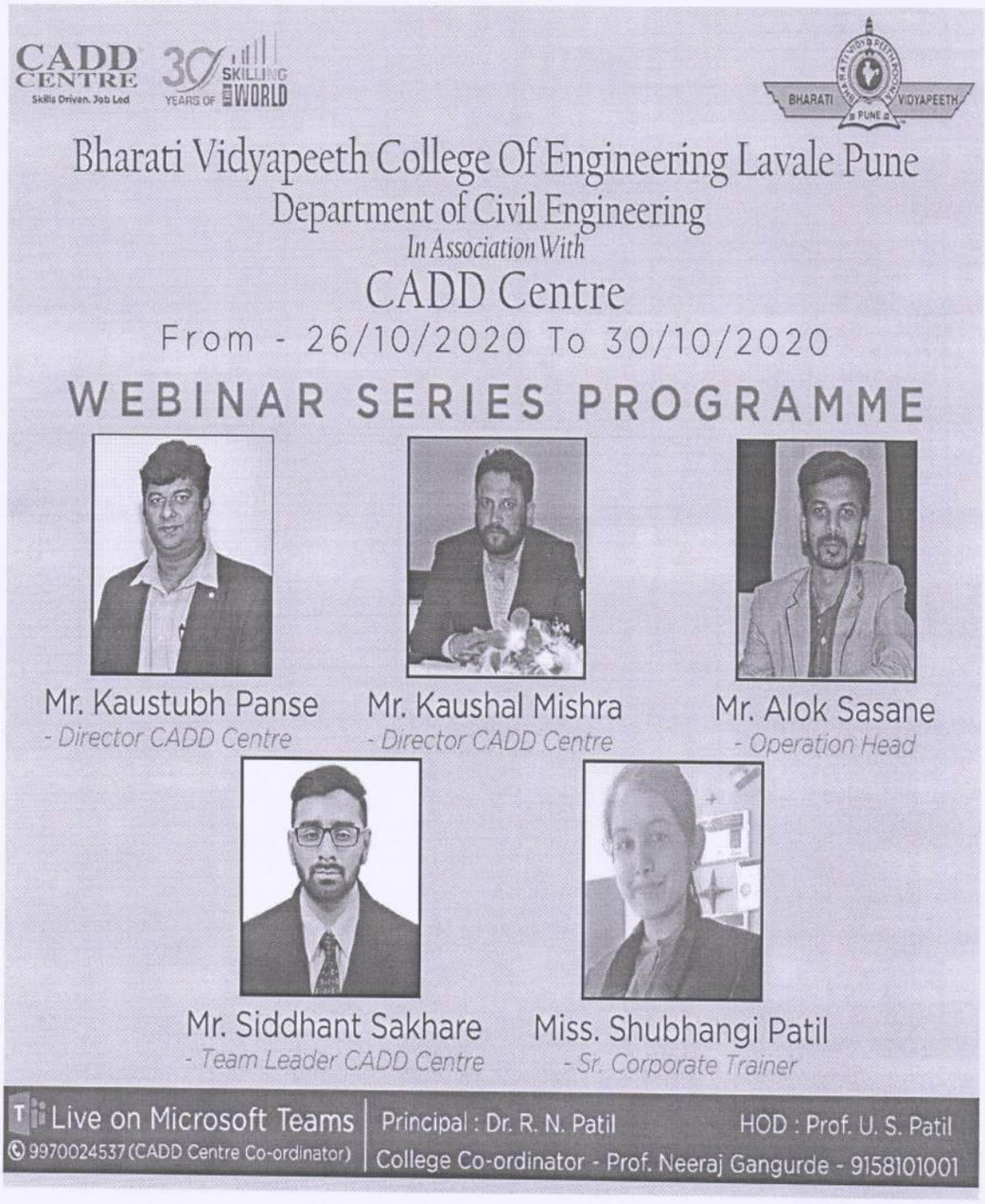
In the second part of the session information about the CAAD Centre was provided with courses which the centre provides along with fees structure and time required. Many students successfully completed their courses and portfolio and project with the help of professionals at the CAAD Centre.

At the end of this a week session held by the CAAD Centre by Online Mode all the students were very much aware about the Career and Future in the field of Construction Industry.

The session was concluded by the Vote of Thanks of Prof. Uday Patil Sir (HOD Civil). Sir thanked the Director and Organizer of the Session. The complete session was Interactive and made all the students more knowledgeable.

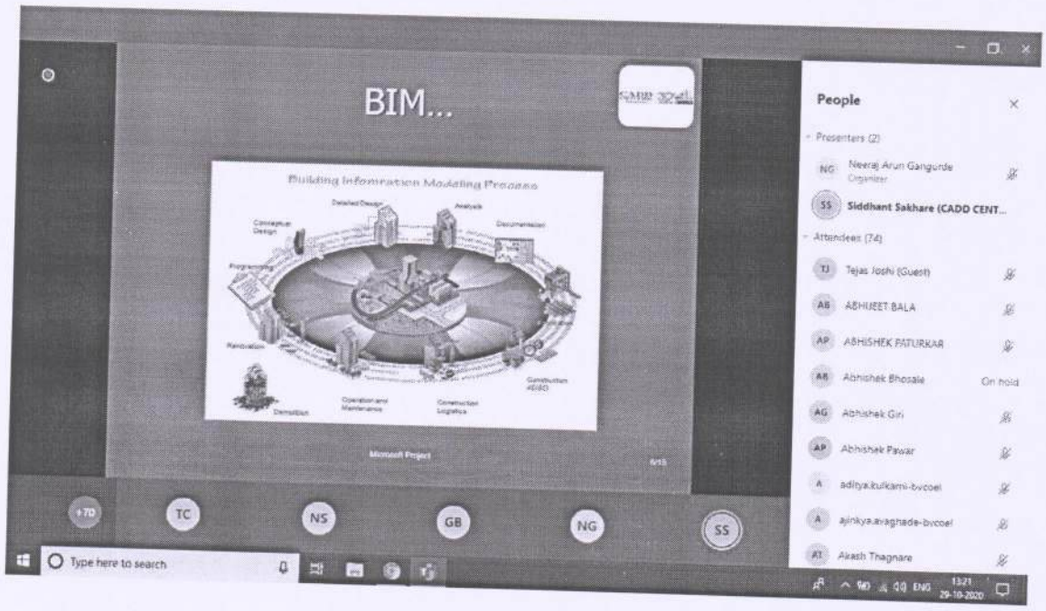
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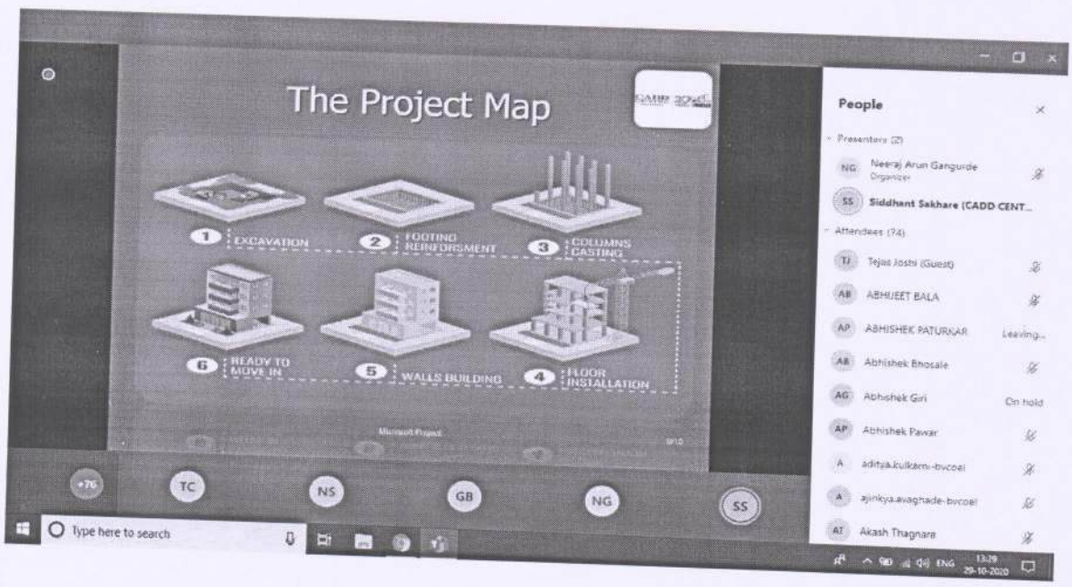
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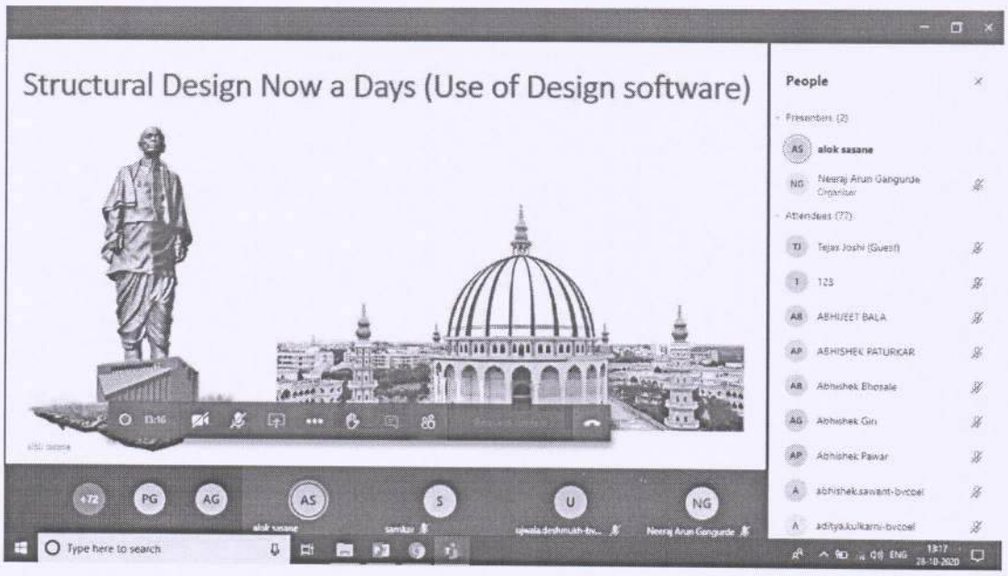




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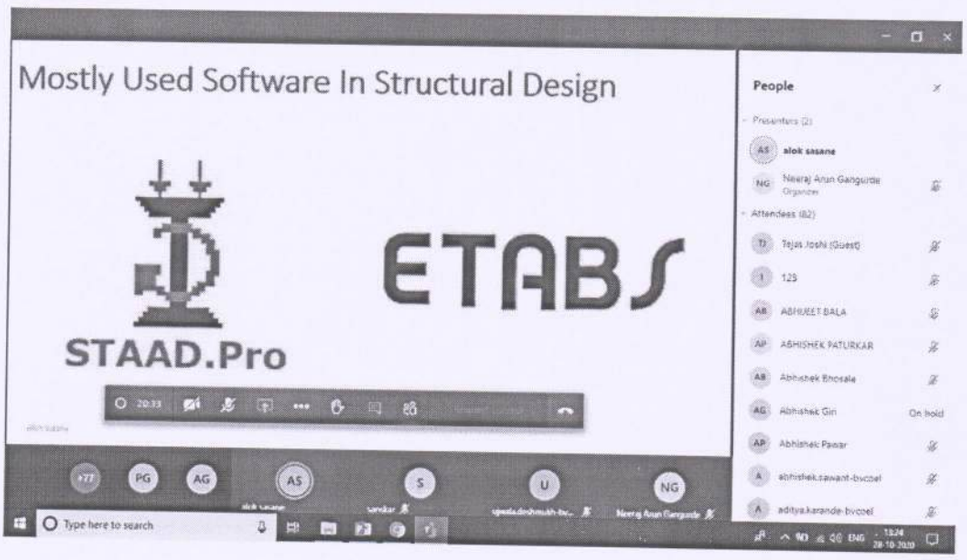
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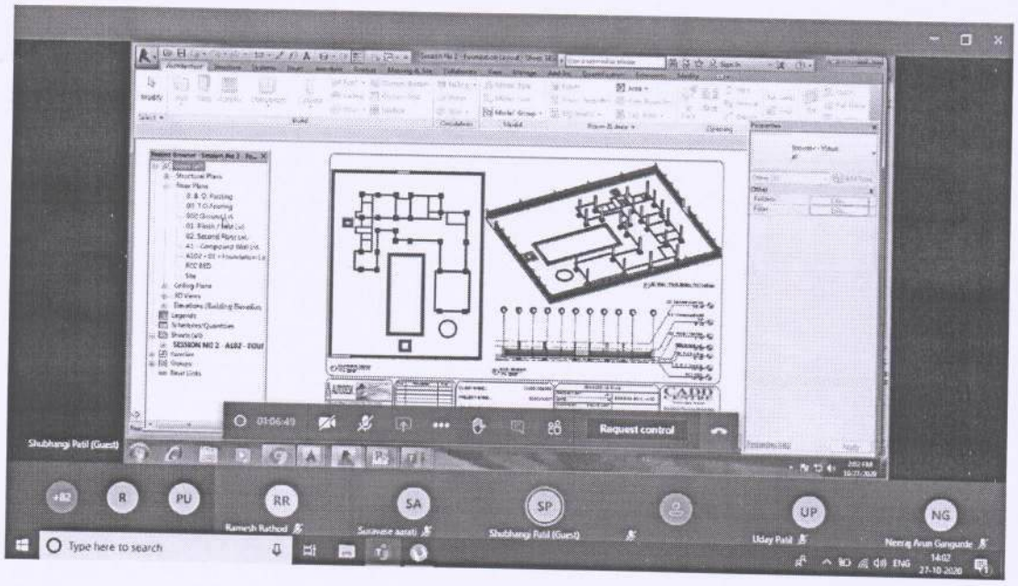




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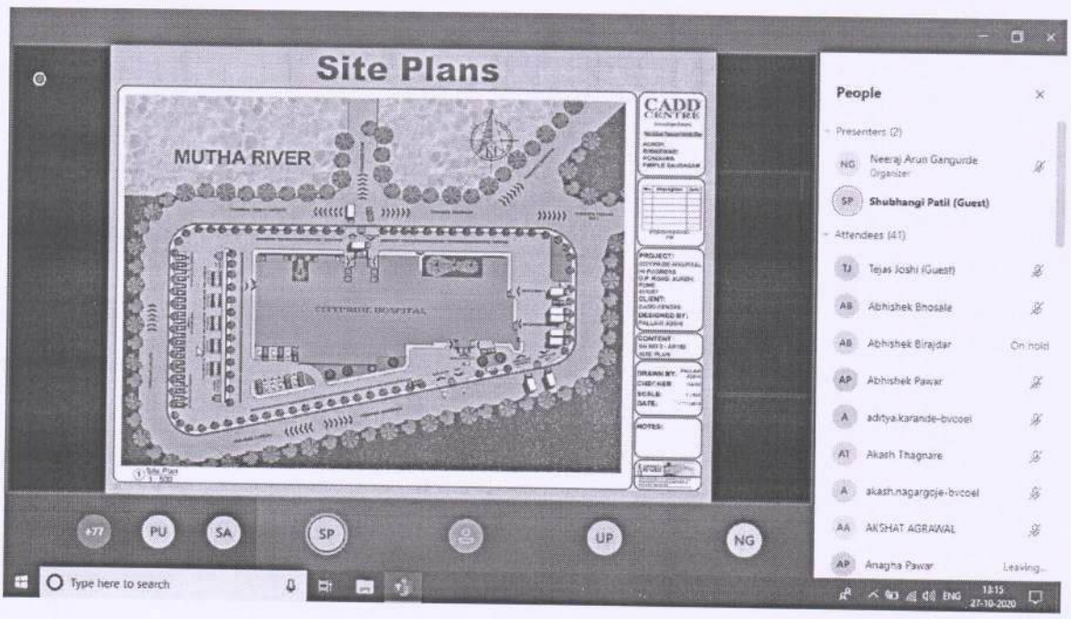
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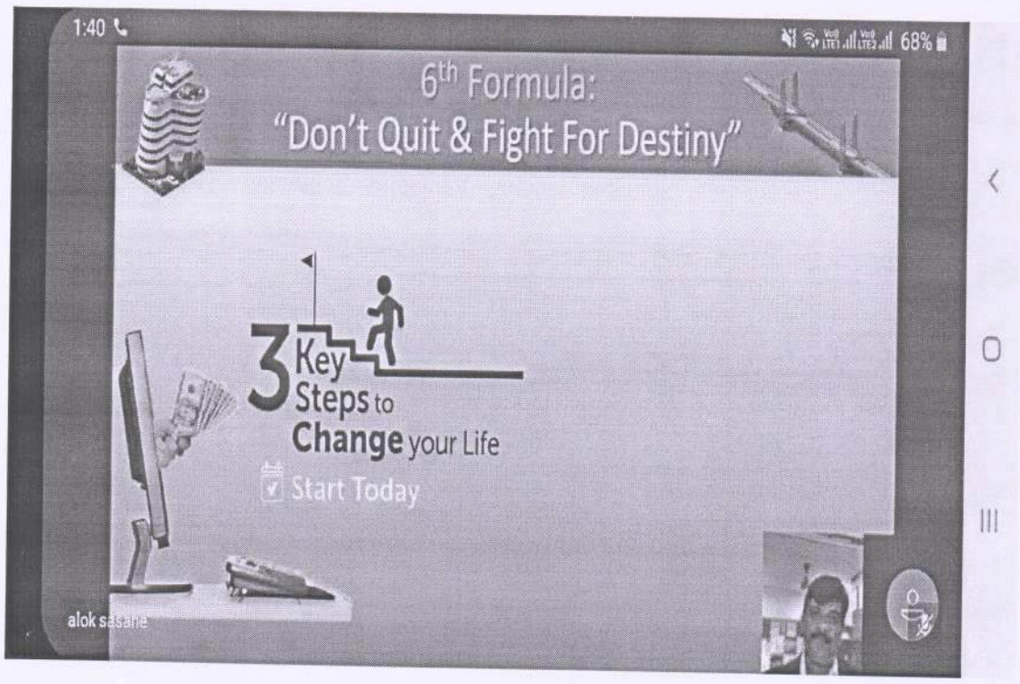




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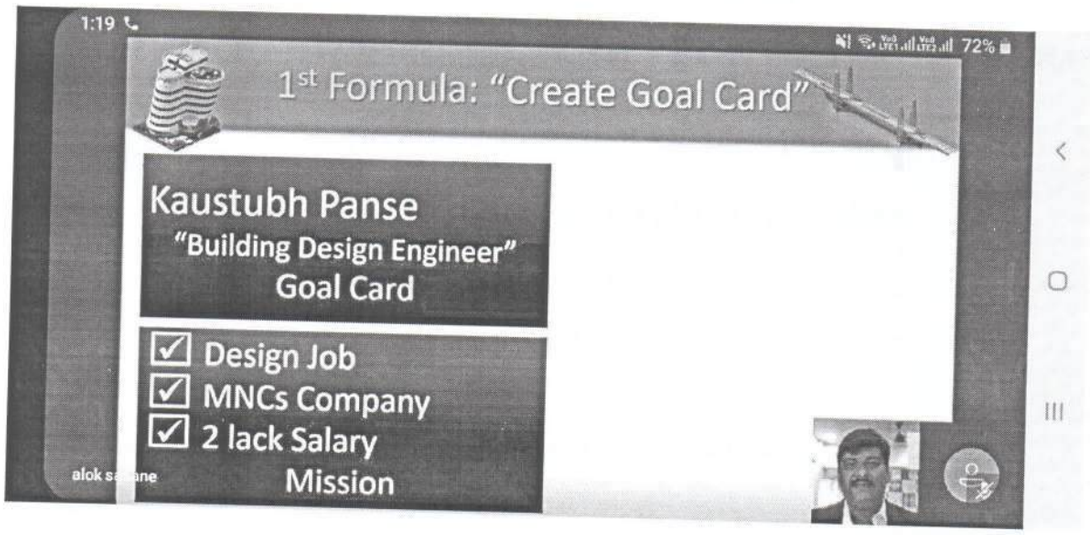


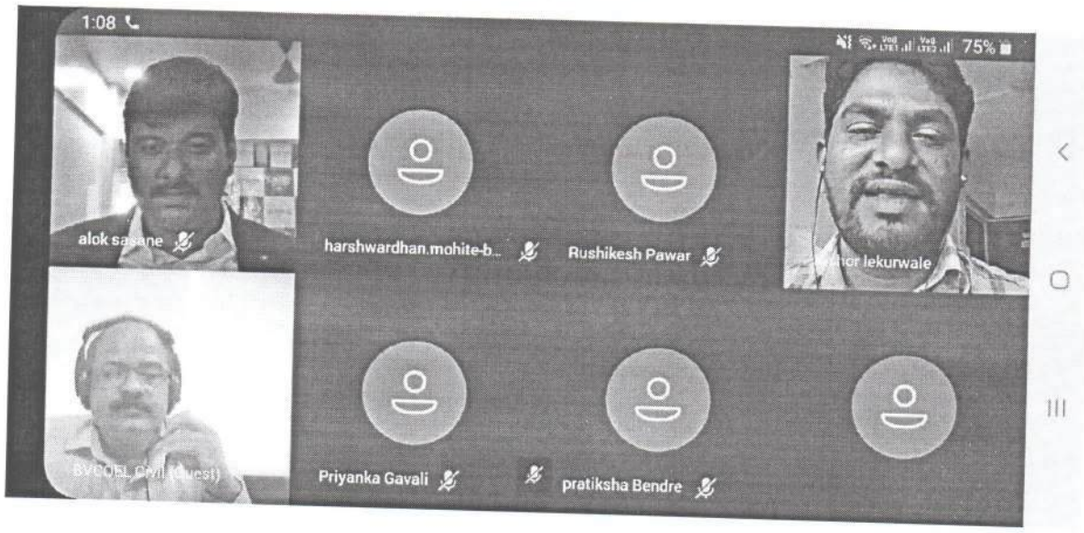


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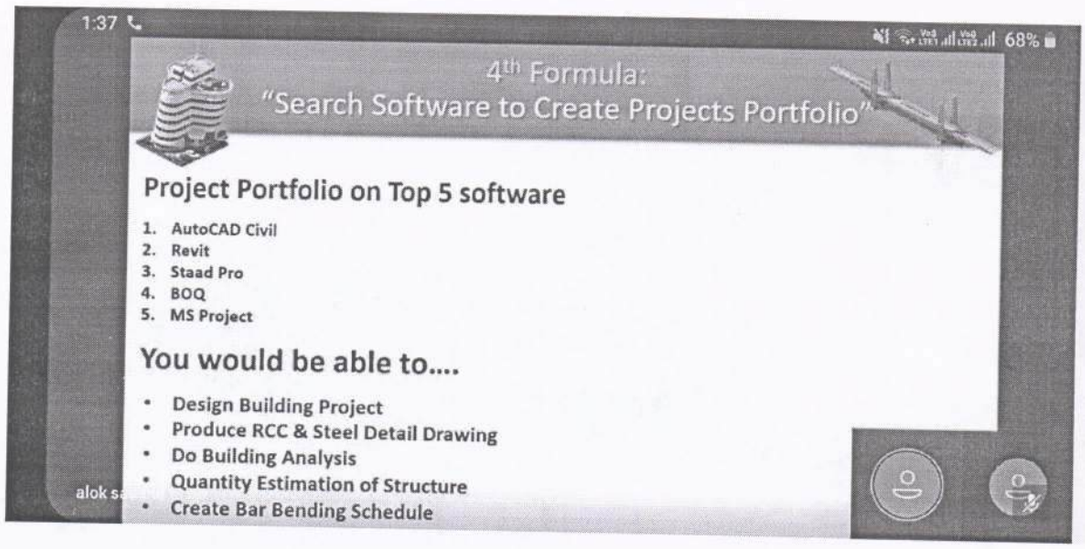
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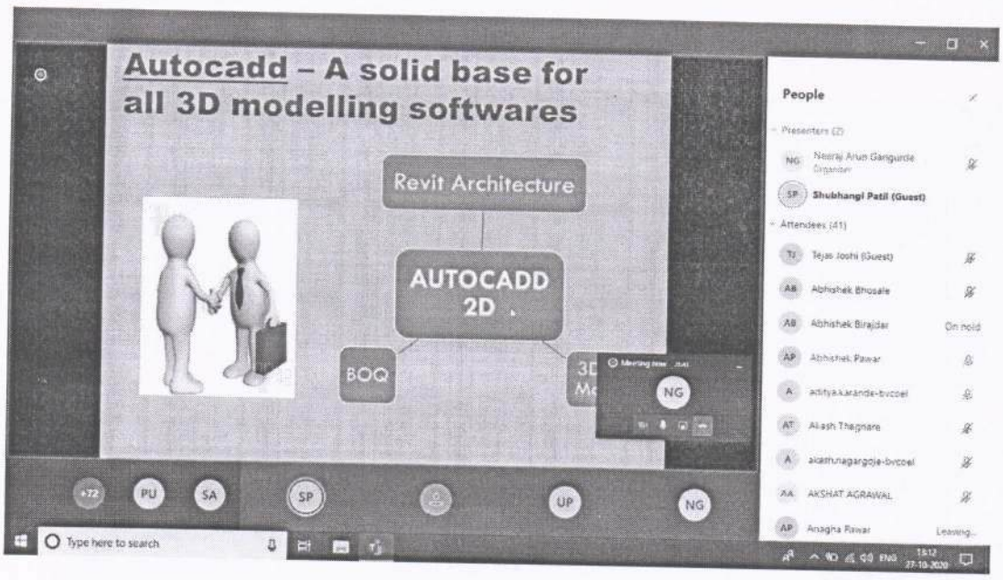




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Founder:
Mumbai.
Dr. Patangrao Kadam
University.
M.A., L.L.B., Ph.D.

Recognized by AICTE, New Delhi & DTE

Affiliated to Savitribai Phule Pune

Ref. No.BV/COEL/30 / 2018-19 **Date: 19/ 9 /2019**

Notice

Department of Electronics & Telecommunication Engineering

This is to inform to all students of SE,TE that, expert lecture is organized on "Industry Academia Interface" on 20/09/19 by Dr. Manisha Saxena, Dean - Examination & Faculty Member of IBS, Pune in classroom no. 128. Attendance is mandatory for the session.

Prof. A. B. Wani

H.O.D

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's College of Engineering, Lavale, Pune 412 115.

BHARATI VIDYAPEETH's
COLLEGE OF ENGINEERING, LAVALE, PUNE-15
DEPARTMENTOF ELECTRONICS AND TELECOMMUNICATION

Date:- 20/9/2019

Report:- Industry Academia Interface

Focusing on the industry needs and requirements is an essential step required to understand the specifications and skills which the companies look for, in their future employees, keeping that in mind department of Electronics and Telecommunication of Bharati Vidyapeeth's College of Engineering, Lavale has organized an Expert lecture on "Industry Academia Interface" on 20/09/19 which was Delivered by Dr. Manisha Saxena, Dean in Examination & Faculty Member of IBS, Pune...!!!

It was a positive experience for all the faculties and students and the information and the guidance given by them was enlightening which was helpful to all while entering a new growth phase leading the session into a successful one. The program was well organized under the guidance of HOD Prof. A.B.Wani and Dr.R.N.Patil, Principal of BVCOEL.

Facebook link:

https://www.facebook.com/photo/?fbid=2486311354792439&set=pcb.2486315894791985

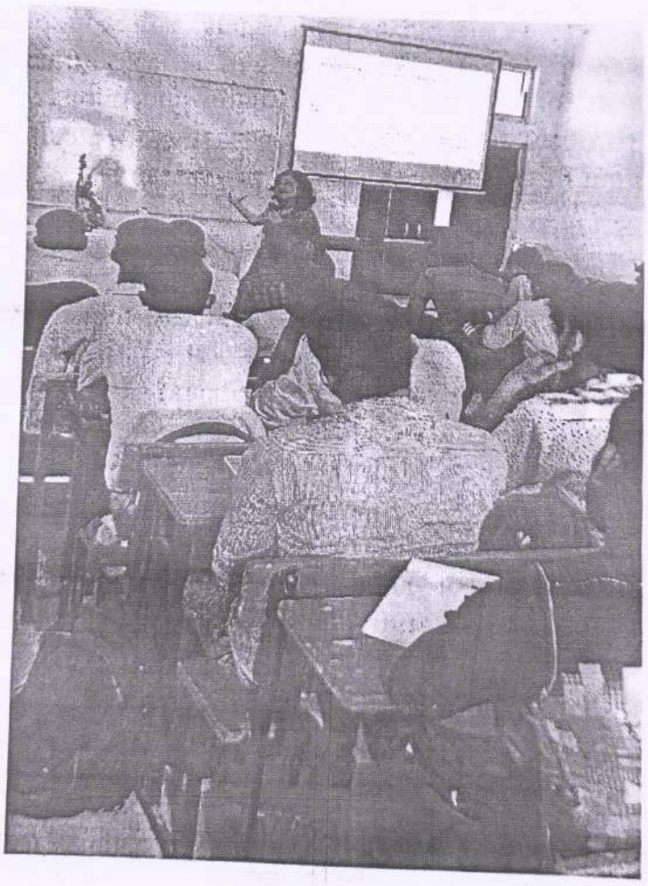
Prof. A.B.Wani

HOD

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115





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Dept. of Electronics & Telecommunication
Engineering
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Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

Founder:
Mumbai.
Dr. Patangrao Kadam
University.
M.A., L.L.B., Ph.D.

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEEERING, LAVALE, PUNE 412 115.

Recognized by AICTE, New Delhi & DTE

Affiliated to Savitribai Phule Pune

Ref. No.BV/COEL/ 11/ 20 19-19 **Date: 20/ 2 /2019**

Notice

Department of Electronics & Telecommunication Engineering

This is to inform to all students of TE that, guest lecture is organized on Three Phase Inverter and Converter", by Dr. D. E. Upasani (HOD, Subject Chairman, SITS, Narhe, Pune) on 25/02/19. in lab no. 107-E. Attendance is mandatory for the session.

Prof. A. B. Wani

H.O.D

Head
Dept. of Electronics & Telecommunication
Engineering
Bharati Vidyapeeth's
College of Engineering
Lavale, Pune - 412 115

BHARATI VIDYAPEETH's
COLLEGE OF ENGINEERING, LAVALE, PUNE-15
DEPARTMENT: ELECTRONICS & TELECOMMUNICATION ENGINEERING

Date: -25/02/19

Report: - Guest Lecture on - "Three Phase Inverter and Converter"
Date: -25/02/19

Bharati Vidyapeeth's College of Engineering, Lavale always aims for a better career for each of the student. Considering the future requirements and career scope, ENTC department arranged a Guest Lecture on the topic "Three Phase Inverter and Converter", which was delivered by Dr. D. E. Upasani (HOD, Subject Chairman, SITS, Narhe, Pune) on 25/02/19.

As per schedule the lecture took place for 2 hours. Total 18 students from TE (E&TC) had attended the same.

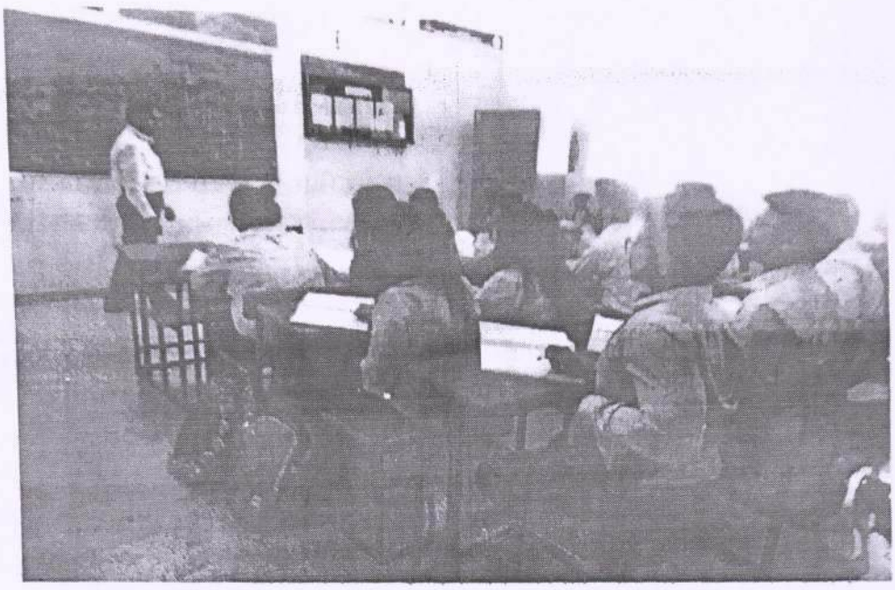
It was a positive experience for all the faculties and students and the information and the guidance given by them was enlightening which was helpful to all while entering a new growth phase leading the session into a successful one. The program was well organized by Prof.L.K.Wani under the guidance of HOD Prof. A.B.Wani and Dr.R.N.Patil, Principal of BVCOEL.

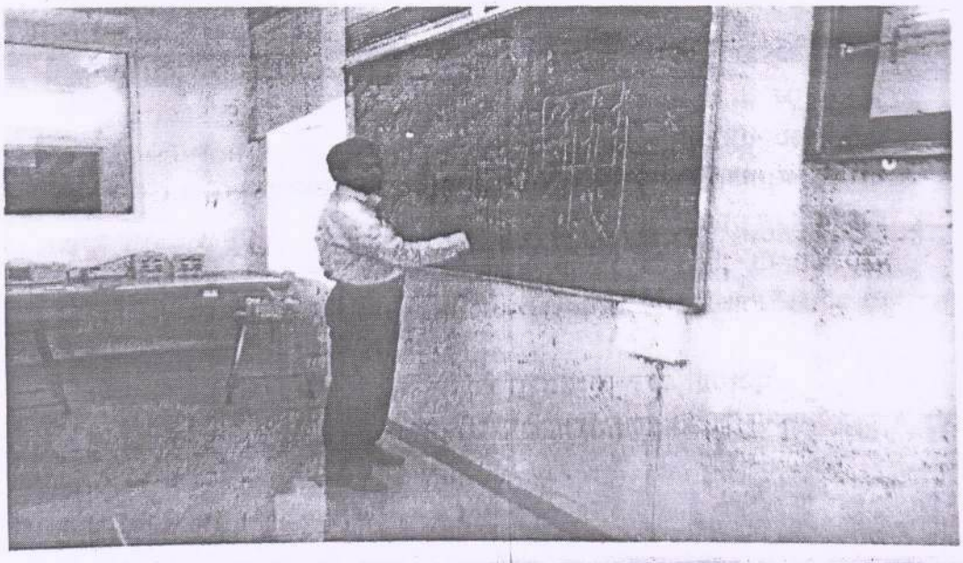
Prof. L.K.Wani
Co-ordinator

Prof. A.B.Wani
HOD

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

Head
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Head
Dept. of Electronics & Telecommunication
Engineering
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College of Engineering,
Lavale, Pune - 412 115.

Head
Dept. of Electronics & Telecommunication
Engineering
Bharati Vidyapeeth's
College of Engineering.

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, LAVALE, PUNE-15
Department of Elecetronics and Telecommunication

Sr.No	Name of Student	Signature
1	KOLHE HARSHAL SUDHAKAR	
2	GAWADE GAURAV DILIP	
3	AYUSH SHUKLA	
4	DEVESH TALWAR	
5	HEMANT DINUJI KAKADE	
6	KALE SANYUKTA MILIND	
7	KANSE KUNJAN JAGDISH	
8	KARTIKEY VAISH	
9	MAYURI WAGH	
10	PRATIK SANJAY CHANDURKAR	
11	SARODE AMIT VISHNU	
12	SHITOLE ASHWINI	
13	SUPROBAHA CHOWDHURY	
14	KUMBHAR ROHIT RAMDAS	
15	MRUNAL BATTISE	
16	CHANDRAKANT DESAI	
17	NEHAL GAJBHIYE	
18	SUJAL GOLAR	
19	SAURABH JAISWAL	
20	NAYAN VYAS	
21	JAY PANARI	

BHARATI VIDYAPEETH's

COLLEGE OF ENGINEERING LAVALE, PUNE.

DEPARTMENT OF CIVIL ENGINEERING

Date – 15/07/2019.

NOTICE

All the students herby informed that Department of Civil Engineering arranging a Seminar on "***Future trends in Engineering***" by Mr Ravi Doiphode on date 17-07-2019 at 11:00am to 1:00pm. All students should present for the same.

CESA

Coordinator

HOD

Department of Civil

H.O.D
Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING,
Lavale, Pune. 412115.
(Recognized by DTE, Mumbai. AICTE, New Delhi &
Affiliated to University of Pune – 111)
(Email-civil.bvcoel@gmail.com)

DEPARTMENT OF CIVIL ENGINEERING

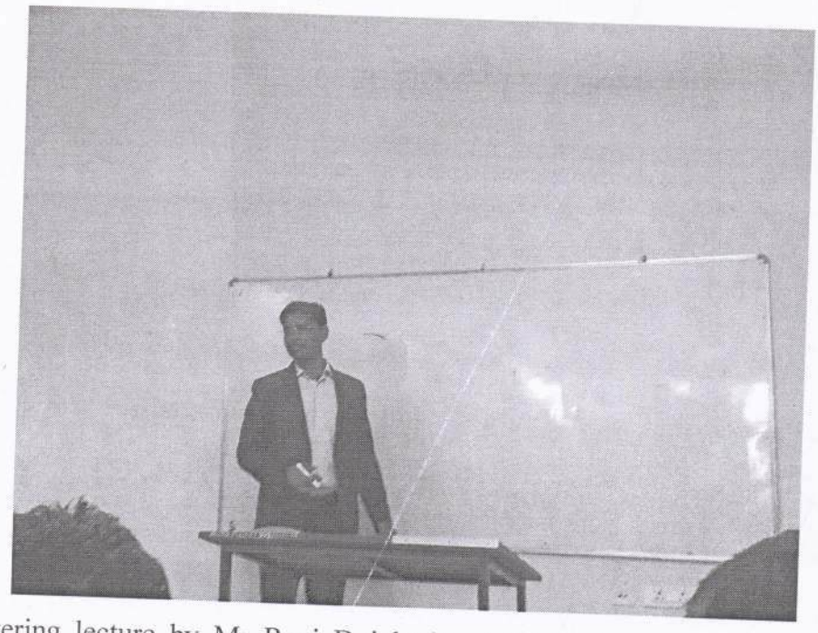
CONDUCTION OF GUEST LECTURE

Lecture on : **Future Trends in Engineering**
Date : **17/07/2019**
Class : **SE, TE & BE Civil**
Guest : **Mr Ravi Diophode**

Mr. Ravi Doiphode is working as a Professor in ACE academy for Pune division. At the time of delivering a lecture he gave simple basic fundamentals concepts of fluid mechanics and strength of materials. In his lecture he gave various tricks to remember the formulas and how to solve the problems.

In his lecture he gave the information of the PSU, IES and Gate Examination. How to crack the Examination.

Photo Gallery



Delivering lecture by Mr Ravi Doiphode ACE Engineering Academy on Future Trends in Engineering.

H.O.D
Civil Engineering
Bharati Vidyapeeth's
...e of Engineering Lavale,Pune

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COLLEGE OF ENGINEERING, LAVALE, PUNE - 412 115

Class : _____ Lecture No. : _____

Date : 17/7/2019 Week : _____

Subject : Seminar Name of the Faculty Member : _____

STUDENTS ATTENDANCE SHEET

Lecture No.					Roll No.	Signature	Signature	Signature	Signature
Date	11:00 to				40	Pooja			
Time	1:00pm.				41				
Roll No.	Signature	Signature	Signature	Signature	42				
1	—				43				
2	Amit				44				
3					45				
4					46				
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H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

H.O.D. Signatu

Founder:
Dr. Patangrao Kadam
M.A., L.L.B., Ph.D.

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COLLEGE OF ENGINEEERING, LAVALE, PUNE 412 115.
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F 42

Ref. No. BV/COEL/ 734/21-22

Date: 15/03/2022

Internal Hackathon 2022 Result

All students of BVCOEL, Pune hereby informed that Internal Hackathon 2022 (college level) conducted on 14th March 2022.Result of Internal Hackathon 2022 as follows.

Sr. No	Name of Team/Title	Marks Obtained	Selection Status
1.	Lakshya	46	Selected
2.	Innovators	45	Selected
3.	3.14 pypie	42	Selected
4.	Deamon	39	Selected
5.	Gomends	37	Selected
6.	Cogent	35	Selected
7.	Senpai Coders	34	Selected
8.	Service before self	33	Selected
9.	Solution Makers	32	Selected
10.	Hack Whack	31	Selected
11.	NexGen SME	29	Waiting
12.	Hope	27	Waiting
13.	Dravya	25	Waiting
14.	The Flayers	24	Waiting
15.	Star Techies	23	Waiting
16.	Tech Phantom	22	Rejected
17.	Eklavya	19	Rejected
18.	The Braini cas	18	Rejected

POC, Hackathon 2022
r.Neha S.Shahare

Prinicipal, BVCOEL, Pune
Dr. R.N.Patil

I/C PRINCIPAL
BHARATI VIDYAPEETH
COLLEGE OF ENGINEERING, LAVALE
Tal-Mulshi, Dist. Pune

: Founder :
Dr. Patangrao Kadam
M.A., LL.B., Ph.D.

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, LAVALE, PUNE

(Recognised by AICTE, New Delhi, DTE Mumbai & Affiliated to Savitribai Phule Pune University)
• Id No. : PU/PN/Engg./443/2012 • DTE College Code : EN6796 • AISHE Code :- C-41597

I/C Principal
Prof.(Dr.) R. N. Patil
E.(Met.), M.E.(Prod.), Ph.D.(Mech. Engg.)

Ref. No. : BV / COEL / 856 / 2021-22
Date : 13/4/2022

Date: 13 /4 /2022

Sub: Smart India Hackathon 2022 – Nomination

I am pleased to nominate the below team from our college to participate in Smart India Hackathon 2022. AICTE Application No/ UGC Registration No for our college is **1-506962621**.

Team : < GOMEDS>

	Name	Gender (M/F)	Email id	Mobile no.
Team Leader	Shubham Ambekar	M	meet.shubhamambekar@gmail.com	7722051600
Team Member	Gouri Maslekar	F	gourimaslekar21@gmail.com	8087336220
Team Member	Sandesh Sable	M	sandeshsable01@gmail.com	8669077880
Team Member	Praful Yelane	M	prafulyelane28699@gmail.com	7719980693
Team Member	Rudraksha Kundra	M	rudrakshkhuda99@gmail.com	8899479110
Team Member	Raj Patkar	M	rajpatkar2002@gmail.com	8390606809

Sincerely,

RNPatil
Principal
Dr. R. N. Patil

Dr. R. N. Patil
I/C PRINCIPAL
BHARATI VIDYAPEETH
COLLEGE OF ENGINEERING, LAVALE
Tal. Mulshi, Dist. Pune

BHARATI VIDYAPEETH ★ AT. LAVALE TAL. MULSHI, DIST. PUNE 412 115. ★ COLLEGE OF ENGINEERING

BHARATI VIDYAPEETH'S

COLLEGE OF ENGINEEERING, LAVALE, PUNE 412 115.

Date: 16/03/2022

SIH 2020- Internal Hackathon Report

Smart India Hackathon 2022 is a nationwide initiative to provide students a platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem solving. In SIH, the students would also have the opportunity to work on challenges faced within the private sector organisations and create world class solutions for some of the top companies in the world, thus helping the Private sector hire the best minds from across the nation. Compete amongst one another as a team, offer technical solutions to real-world problems and get a chance to win prizes worth up to 1,00,000/-. Provide problem statements to the participants from all over the country, get optimal solutions for them and also get the opportunity to hire potential future employees. It also helps students to:

Harness creativity & expertise of students.

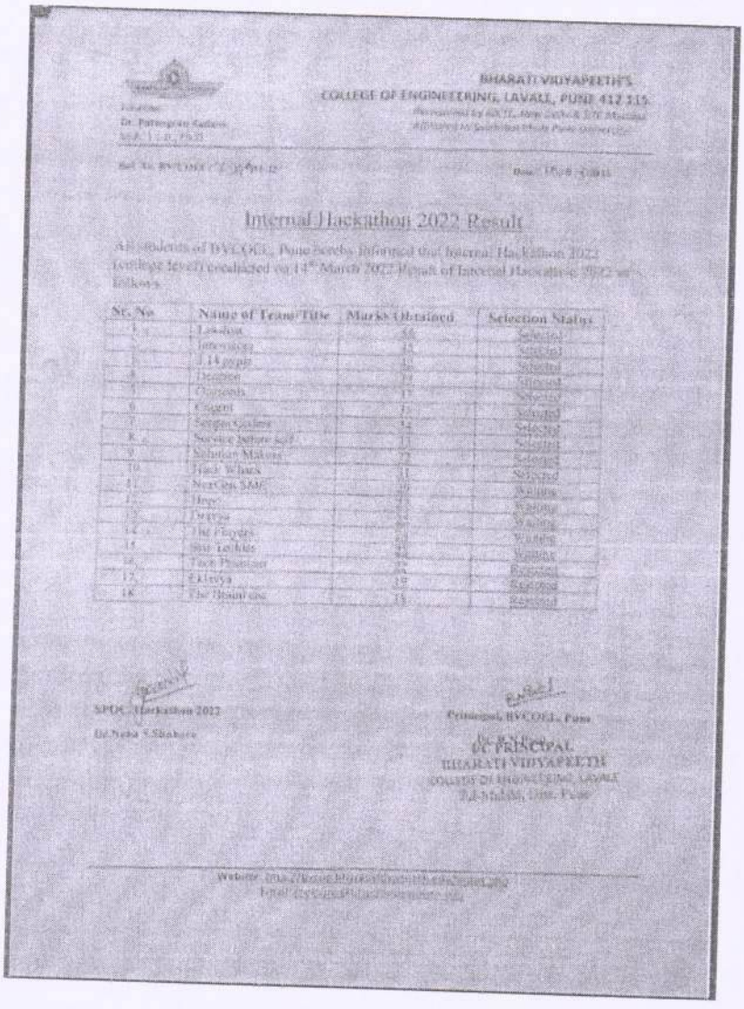
- Spark institute-level Hackathons.
- Build funnel for 'Startup India' campaign.
- Crowd source solutions for improving governance and quality of life.
- Provide opportunity to citizens to provide innovative solutions to India's daunting problems.

To Participate in #SIH2022 ,Internal hackathon of Bharati Vidyapeeth's College of Engineering, Lavale, Pune, was organized on 14th March 2022, total 37 teams and 222 students have registered and 18 teams presented their idea in front of the Jury, which consist of following members

1. Head of Jury:- Dr.D.M.Yadav (Academic Dean GHRCOE&M, Pune)
2. Members:- Dr.Neha S.Shahare
3. Members:- Dr.Jyoti Dhankhe
4. Member: -Prof. Swati Gawhale.
5. Member:- Prof. Parinita Chate
6. Member:-Prof.Avinash Datarkar

7. Member: Prof. Shrikant Sutar
8. Member:- Prof.Nilesh Singh
9. Member:-Prof.Aishwarya Pathak

Two panels worked together to shortlisted the teams. In first round team Lakshya was the winner but in final round total 7 teams fought and team "Deamon" declared as the winner team.



BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, LAVALE, PUNE 412 115

Internal Hackathon 2022 Result

Sr. No	Name of Team/Title	Marks Obtained	Selection Status
1	Leadon	16	Selected
2	Inferno	15	Selected
3	3 14 people	15	Selected
4	Deamon	19	Selected
5	Outcasts	17	Selected
6	Cygent	17	Selected
7	Sergio Codes	14	Selected
8	Service before self	13	Selected
9	Solution Makers	17	Selected
10	Hack Whack	11	Selected
11	Next Gen SME	10	Waiting
12	Hope	10	Waiting
13	Drifter	10	Waiting
14	The Flyers	10	Waiting
15	Star Techies	10	Waiting
16	Tech Predator	12	Rejected
17	Lakshya	18	Rejected
18	The Beauricas	13	Rejected

SPOC, Hackathon 2022
Dr.Neha S.Shahare

Principal, BVCOE, Pune

PRINCIPAL
BHARATI VIDYAPEETH
COLLEGE OF ENGINEERING, LAVALE
Tal-Maval, Dist.-Pune

First Round

Sr. No	Name of Team/Title	Marks Obtained	Selection Status
1.	Lakshya	46	Selected
2.	Innovators	45	Selected
3.	3.14 pypie	42	Selected
4.	Deamon	39	Selected
5.	Gomends	37	Selected
6.	Cogent	35	Selected
7.	Senpai Coders	34	Selected
8.	Service before self	33	Selected
9.	Solution Makers	32	Selected
10.	Hack Whack	31	Selected
11.	NexGen SME	29	Waiting
12.	Hope	27	Waiting
13.	Dravya	25	Waiting
14.	The Flayers	24	Waiting
15.	Star Techies	23	Waiting
16.	Tech Phantom	22	Rejected
17.	Eklavya	19	Rejected
18.	The Braini cas	18	Rejected

Three hardware teams are included here,

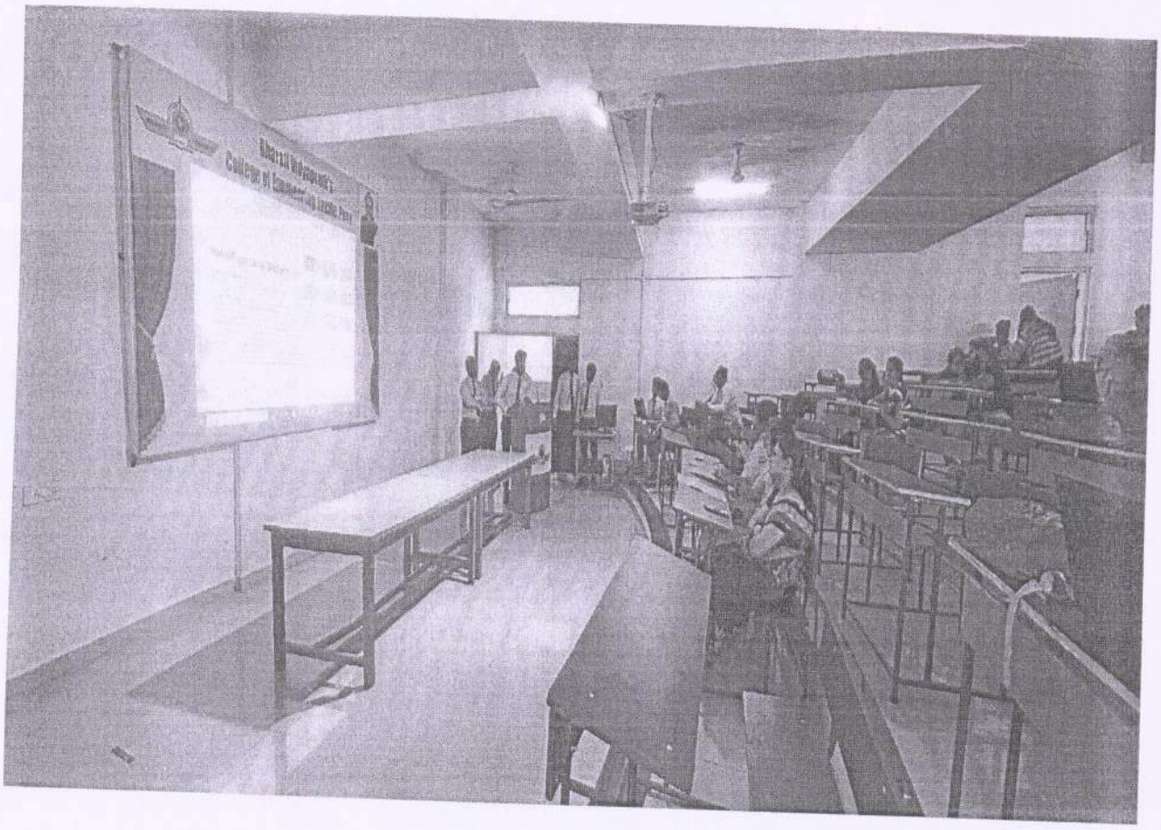
1) Team Lakshya,
2) Team Service Before Self
3) Team The Flayers

All remaining teams are software teams.

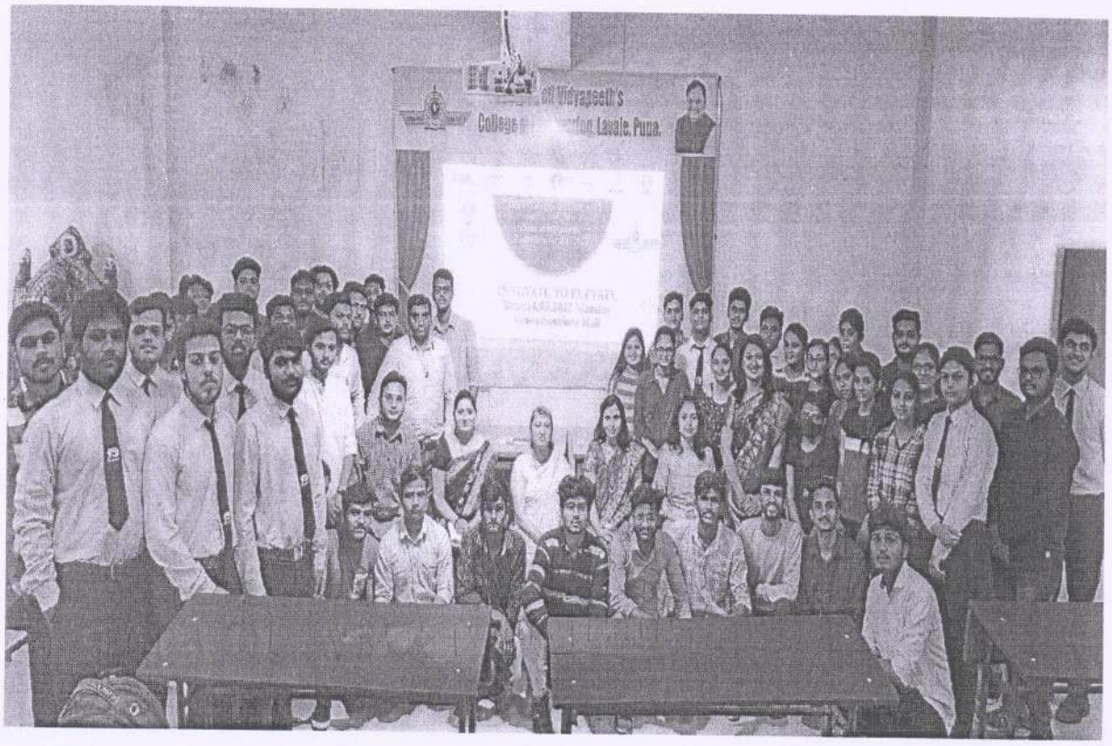
Second Round:

Result	Team Name	Marks Obtained
First Winners :	Deamon	43
First Runnerup	3.14 pypie	41
Second Runnerup	Lakshya	38

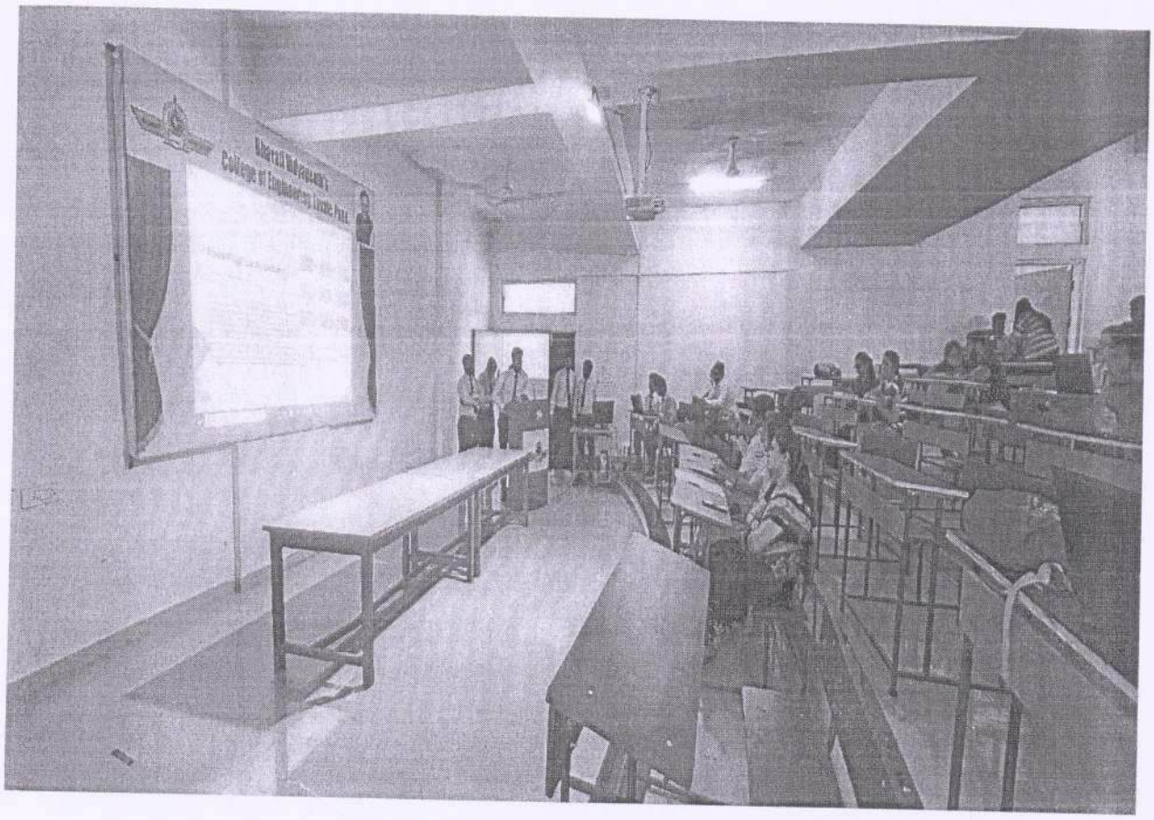

Bharati Vidyapeeth's
College of Engineering, Lavale, Pune.

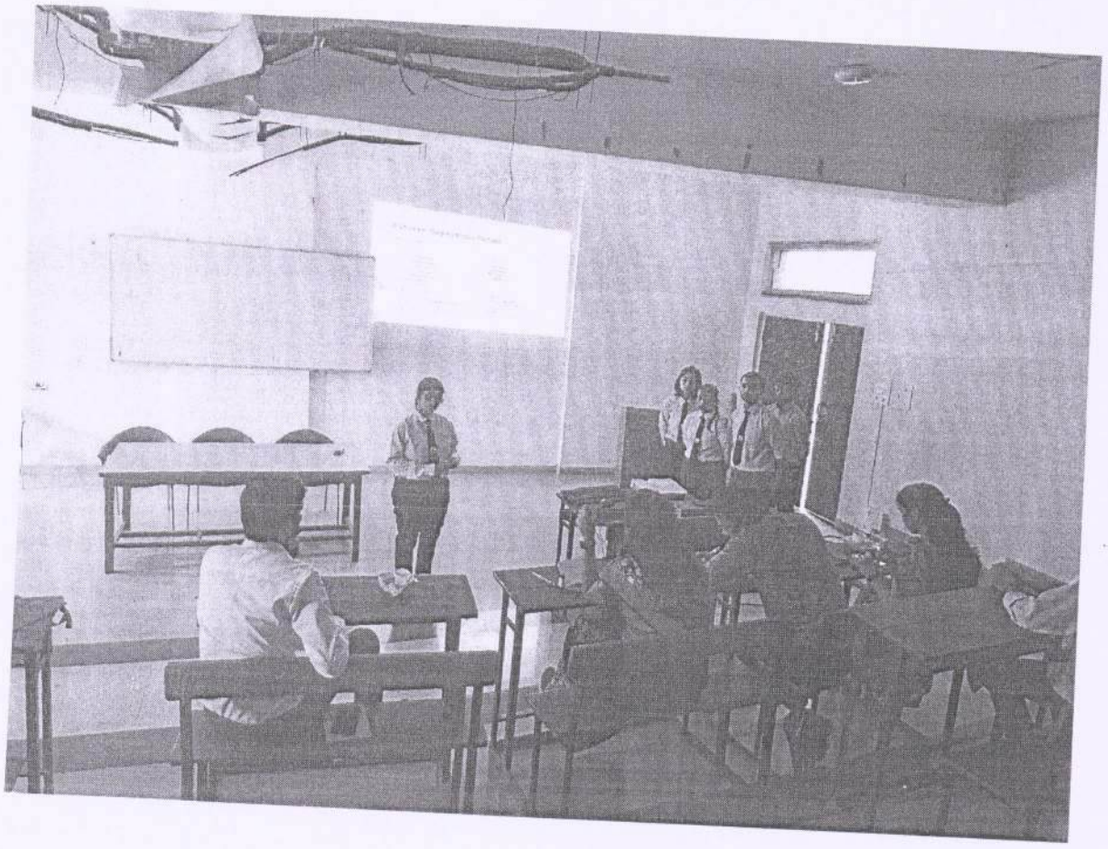


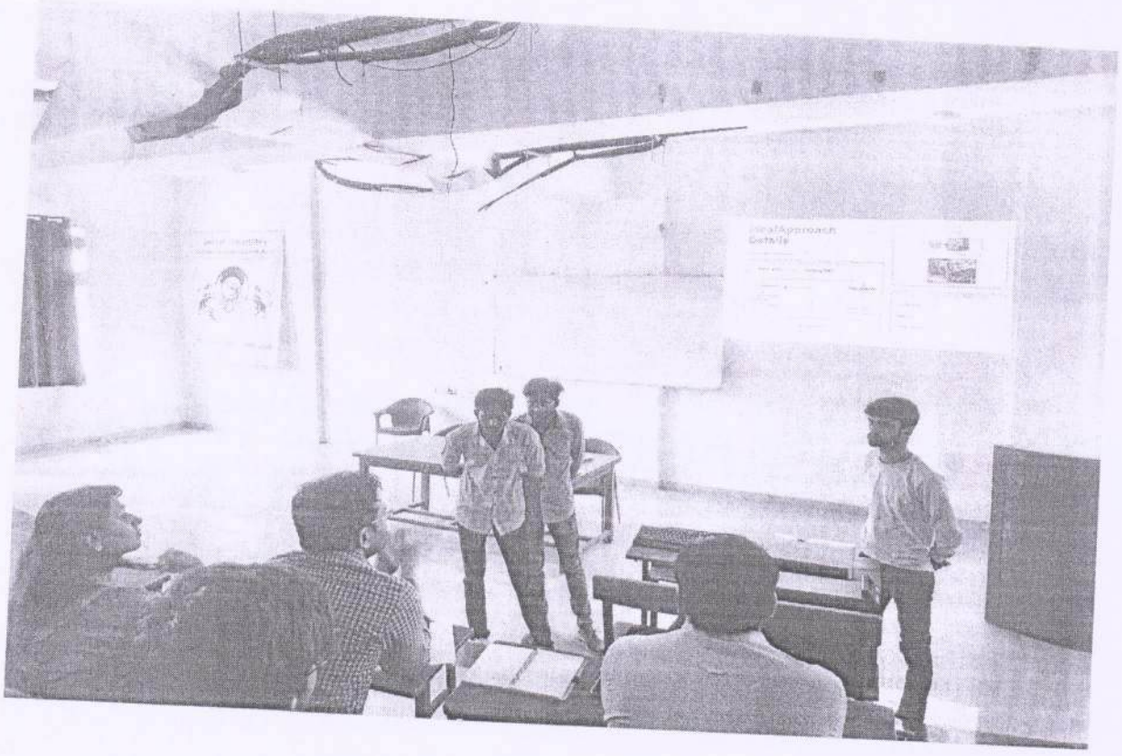

Bharati Vidyapeeth's
College of Engineering, Lavale, Pune.


Lavale, Pune.


Bharati Vidyapeeth's
College of Engineering, Lavale, Pune.







Google Drive link for photos and videos:

https://drive.google.com/drive/folders/12v4rXjIMyHJDCAnH3Lax0DUTAeWRcgQd

Facebook Link:

https://www.facebook.com/1750570855033163/posts/5055568711200011/

https://m.facebook.com/story.php?story_fbid=5042710945819121&id=1750570855033163

Linkdlink Link:

https://www.linkedin.com/posts/bharati-vidyapeeth-s-college-of-engineering-lavale-pune_sih2022-sih2022-engineering-activity-6919604177069326336-uveK?utm_source=linkedin_share&utm_medium=member_desktop_web

SPOC SIH

BVCOEL

Dr.Neha S.Shahare

: Founder :
Dr. Patangrao Kadam
M.A., LL.B., Ph·D·

I/C Principal
Prof.(Dr.) R. N. Patil
M.E.(Met.), M.E.(Prod.), Ph.D.(Mech. Engg.)

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, LAVALE, PUNE

(Recognised by AICTE, New Delhi, DTE Mumbai & Affiliated to Savitribai Phule Pune University)
● Id No. : PU/PN/Engg./443/2012 ● DTE College Code : EN6796 ● AISHE Code :- C-41597

Ref. No. : BV / COEL / 855 / 2021-22
Date : 13/4/2022

Date: 13 /4 /2022

Sub: Smart India Hackathon 2022 – Nomination

I am pleased to nominate the below team from our college to participate in Smart India Hackathon 2022. AICTE Application No/ UGC Registration No for our college is **1-506962621**.

Team : < Lakshya22 >

	Name	Gender (M/F)	Email id	Mobile no.
Team Leader	Sufiyan Sadique Shaikh	M	sufiyan.shaikh-coel@bvp.edu.in	8530618511
Team Member	Rushikesh Ganesh Pawar	M	Rushipawar0305@gmail.com	8263975482
Team Member	Anshuman Yogesh Lakkad	M	anshuman.lakkad-coel@bvp.edu.in	8380066814
Team Member	Sanobar Ibanekhalid pathan	F	sanobar.pathan-coel@bvp.edu.in	8263834286
Team Member	Prajwal Rajkumar Nimbone	M	prajwalnimbone7@gmail.com	8421734272
Team Member	Bhakti Prafulla Mahale	F	bhakti.mahale-coel@bvp.edu.in	8421839072

Sincerely,

R Patil
Principal

Dr. R. N. Patil

: Founder :
Dr. Patangrao Kadam
M.A., LL.B., Ph.D.

I/C Principal
Prof.(Dr.) R. N. Patil
M.E.(Met.), M.E.(Prod.), Ph.D.(Mech. Engg.)

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● Id No. : PU/PN/Engg./443/2012 ● DTE College Code : EN6796 ● AISHE Code :- C-41597

Ref. No. : BV / COEL / 857 / 2021-22
Date : 13/4/2022

Date: 13 /4 /2022

Sub: Smart India Hackathon 2022 – Nomination

I am pleased to nominate the below team from our college to participate in Smart India Hackathon 2022. AICTE Application No/ UGC Registration No for our college is **1-506962621**.

Team : < Innovator>

	Name	Gender (M/F)	Email id	Mobile no.
Team Leader	Shubham Songire	M	shubham.songire-bvcoel@bvp.edu.in /sbs050501@gmail.com	9075127545
Team Member	Hrishikesh Kothawade	M	hrishikeshkothwade1@gmail.com	7620716052
Team Member	Onkar Kotule	M	kotuleonkar101@gmail.com	9511860767
Team Member	Vishakha Shinde	F	vishakhashinde2001@gmail.com	9552674499
Team Member	Jayesh Patil	M	jayeshpatil197620@gmail.com	9284982967
Team Member	Kunal Patil	M	kunalpatil6516@gmail.com	8551913732

Sincerely,

RNPatil
Principal

Dr. R. N. Patil

: Founder :
Dr. Patangrao Kadam
M.A., LL.B., Ph.D.

I/C Principal
Prof.(Dr.) R. N. Patil
M.E.(Net.), M.E.(Prod.), Ph.D.(Mech. Engg.)

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• Id No. : PU/PN/Engg./443/2012 • DTE College Code : EN6796 • AISHE Code :- C-41597

Ref. No. : BV / COEL / 846 /2021-22
Date : 13/4/2022

Date: 13 /4 /2022

Sub: Smart India Hackathon 2022 – Nomination

I am pleased to nominate the below team from our college to participate in Smart India Hackathon 2022. AICTE Application No/ UGC Registration No for our college is **1-506962621**.

Team : < 3.14pypie>

	Name	Gender (M/F)	Email id	Mobile no.
Team Leader	Abritti Roy	F	abritti.a.roy@gmail.com	9168275078
Team Member	Buddhaprakash Patil	M	patil.2001@yahoo.com	7888037442
Team Member	Manthan Deshmukh	M	manthandeshmukh40@gmail.com	9067582449
Team Member	Muskan Kumari	F	mailtomuskan27@gmail.com	9877922060
Team Member	Janhavi Gudadhe	F	gudadhejanhavi@gmail.com	7058082329
Team Member	Rutooj Patil	M	rutoojpatil@gmail.com	8408006816

Sincerely,

RNPatil
Principal

Dr. R. N. Patil

: Founder :
Dr. Patangrao Kadam
M.A., LL.B., Ph.D.

I/C Principal
Prof.(Dr.) R. N. Patil
M.E.(Met.), M.E.(Prod.), Ph.D.(Mech. Engg.)

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, LAVALE, PUNE

(Recognised by AICTE, New Delhi, DTE Mumbai & Affiliated to Savitribai Phule Pune University)
● Id No. : PU/PN/Engg./443/2012 ● DTE College Code : EN6796 ● AISHE Code :- C-41597

Ref. No. : BV / COEL / 844 / 2021-22
Date : 13/4/2022

Date: 13 /4 /2022

Sub: Smart India Hackathon 2022 – Nomination

I am pleased to nominate the below team from our college to participate in Smart India Hackathon 2022. AICTE Application No/ UGC Registration No for our college is **1-506962621**.

Team : < Deamon >

	Name	Gender (M/F)	Email id	Mobile no.
Team Leader	Aditya Chandhoke	M	adipusk@gmail.com	8600446463
Team Member	Aastha Dwivedi	F	aastha928@gmail.com	9838403439
Team Member	Kaustubh Pardhi	M	kaustubhpardhi006@gmail.com	9657420773
Team Member	Mayur Mahajan	M	mayur23smahajan@gmail.com	9067405445
Team Member	Namokar Jain	M	namokarjai@gmail.com	9460781183
Team Member	Abhijeet Jain	M	abhijeetjain0311@gmail.com	8764314384

Sincerely,

RNPatil

Principal
Dr. R. N. Patil

: Founder :
Dr. Patangrao Kadam
M.A., LL.B., Ph·D·

I/C Principal
Prof.(Dr.) R. N. Patil
M.E.(Met.), M.E.(Prod.), Ph.D.(Mech. Engg.)

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, LAVALE, PUNE

(Recognised by AICTE, New Delhi, DTE Mumbai & Affiliated to Savitribai Phule Pune University)
● Id No. : PU/PN/Engg./443/2012 ● DTE College Code : EN6796 ● AISHE Code :- C-41597

Ref. No. : BV / COEL / 856 / 2021-22
Date : 13/4/2022

Date: 13 /4 /2022

Sub: Smart India Hackathon 2022 – Nomination

I am pleased to nominate the below team from our college to participate in Smart India Hackathon 2022. AICTE Application No/ UGC Registration No for our college is **1-506962621**.

Team : < GOMEDS>

	Name	Gender (M/F)	Email id	Mobile no.
Team Leader	Shubham Ambekar	M	meet.shubhamambekar@gmail.com	7722051600
Team Member	Gouri Maslekar	F	gourimaslekar21@gmail.com	8087336220
Team Member	Sandesh Sable	M	sandeshsable01@gmail.com	8669077880
Team Member	Praful Yelane	M	prafulyelane28699@gmail.com	7719980693
Team Member	Rudraksha Kundra	M	rudrakshkhuda99@gmail.com	8899479110
Team Member	Raj Patkar	M	rajpatkar2002@gmail.com	8390606809

Sincerely,

RNPatil
Principal

Dr. R. N. Patil

: Founder :
Dr. Patangrao Kadam
M.A., LL.B., Ph·D·

I/C Principal
Prof.(Dr.) R. N. Patil
M.E.(Met.), M.E.(Prod.), Ph.D.(Mech. Engg.)

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, LAVALE, PUNE

(Recognised by AICTE, New Delhi, DTE Mumbai & Affiliated to Savitribai Phule Pune University)
● Id No. : PU/PN/Engg./443/2012 ● DTE College Code : EN6796 ● AISHE Code :- C-41597

Ref. No. : BV / COEL / 850 / 2021-22
Date : 13/4/2022

Date: 13 /4 /2022

Sub: Smart India Hackathon 2022 – Nomination

I am pleased to nominate the below team from our college to participate in Smart India Hackathon 2022. AICTE Application No/ UGC Registration No for our college is **1-506962621**.

Team : < Cogent>

	Name	Gender (M/F)	Email id	Mobile no.
Team Leader	Amrut Jadhav	M	jadhavamrut982@gmail.com	9022618657
Team Member	Tanishq Jain	M	tanishqJain351@gmail.com	9309733852
Team Member	Shubit Mattoo	M	shubitmattoo85@gmail.com	9419296118
Team Member	Pranav Podole	M	pranavpodole2k01@gmail.com	8080126548
Team Member	Monali Luche	F	monaligluche14@gmail.com	8390235501
Team Member	Saurav Patkotwar	M	sauravpatkotwar@gmail.com	7218959746

Sincerely,

R.N.Patil
Principal

Dr. R. N. Patil

: Founder :
Dr. Patangrao Kadam
M.A., LL.B., Ph.D.

I/C Principal
Prof.(Dr.) R. N. Patil
M.E.(Met.), M.E.(Prod.), Ph.D.(Mech. Engg.)

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, LAVALE, PUNE

(Recognised by AICTE, New Delhi, DTE Mumbai & Affiliated to Savitribai Phule Pune University)
● Id No. : PU/PN/Engg./443/2012 ● DTE College Code : EN6796 ● AISHE Code :- C-41597

Ref. No. : BV / COEL / 845 / 2021-22
Date : 13/04/2022

Date: 13 /4 /2022

Sub: Smart India Hackathon 2022 – Nomination

I am pleased to nominate the below team from our college to participate in Smart India Hackathon 2022. AICTE Application No/ UGC Registration No for our college is **1-506962621**.

Team : < Senpai Coders >

	Name	Gender (M/F)	Email id	Mobile no.
Team Leader	Rahul Pareek	M	rahul.pareek-coel@bvp.edu.in	9960995818
Team Member	Mayuresh Gajalwar	M	mayuresh.gajalwar-coel@bvp.edu.in	9975217463
Team Member	Himanshu Warkade	M	himanshu.warkade-coel@bvp.edu.in	9967444750
Team Member	Digvijay Jadhav	M	digvijay.jadhav-coel@bvp.edu.in	7350005363
Team Member	Hamza Mustafa Laxmidhar	M	hamza.laxmidhar-coel@bvp.edu.in	9116552152
Team Member	Shravani Tonge	F	tongeshravani@gmail.com	7741970760

Sincerely,

RNPatil
Principal

Dr. R. N. Patil

At / Post Lavale, Tal. Mulashi, Pune - 412 115.
Phone : (020) 20291357 Email : coelpune@bharatividyapeeth.edu
Website : http://bvcoe.bharatividyapeeth.edu

: Founder :
Dr. Patangrao Kadam
M.A., LL.B., Ph·D·

I/C Principal
Prof.(Dr.) R. N. Patil
M.E.(Met.), M.E.(Prod.), Ph.D.(Mech. Engg.)

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, LAVALE, PUNE

(Recognised by AICTE, New Delhi, DTE Mumbai & Affiliated to Savitribai Phule Pune University)
● Id No. : PU/PN/Engg./443/2012 ● DTE College Code : EN6796 ● AISHE Code :- C-41597

Ref. No. : BV / COEL / 848 / 2021-22
Date : 13/4/2022

Date: 13 /4 /2022

Sub: Smart India Hackathon 2022 – Nomination

I am pleased to nominate the below team from our college to participate in Smart India Hackathon 2022. AICTE Application No/ UGC Registration No for our college is **1-506962621**.

Team : < Service Before Self>

	Name	Gender (M/F)	Email id	Mobile no.
Team Leader	Shreya Gajanan Chaware	F	shreyachaware2001@gmail.com	9689724999
Team Member	Latika Himmatrao Sonawane	F	latikasonawane3@gmail.com	9518583212
Team Member	Gayatri Sanjay Pandit	F	gspandit014@gmail.com	7498185950
Team Member	Abhijeet Kamal Bala	M	abhijeetbala1989@gmail.com	7620430277
Team Member	Sanket Devdas Kondvilkar	M	sanketdk86@gmail.com	8975796099
Team Member	Swaraj Dhananjay Kadam	M	swarajkadam2001@gmail.com	9130160307

Sincerely,

R N Patil
Principal

Dr. R. N. Patil

: Founder :
Dr. Patangrao Kadam
M.A., LL.B., Ph.D.

I/C Principal
Prof.(Dr.) R. N. Patil
M.E. (Net.), M.E.(Prod.), Ph.D.(Mech. Engg.)

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, LAVALE, PUNE

(Recognised by AICTE, New Delhi, DTE Mumbai & Affiliated to Savitribai Phule Pune University)
• Id No. : PU/PN/Engg./443/2012 • DTE College Code : EN6796 • AISHE Code :- C-41597

Ref. No. : BV / COEL / 854 / 2021-22

Date : 13/4/2022

Date: 13 /4 /2022

Sub: Smart India Hackathon 2022 – Nomination

I am pleased to nominate the below team from our college to participate in Smart India Hackathon 2022. AICTE Application No/ UGC Registration No for our college is **1-506962621**.

Team : < Solution-Makers>

	Name	Gender (M/F)	Email id	Mobile no.
Team Leader	Roshan Kate	M	roshankate911@gmail.com	7057860918
Team Member	Amit Bansode	M	amitbansode1122@gmail.com	9096919546
Team Member	Neha tadalapure	F	nehatadalapure0120@gmail.com	9370438864
Team Member	Tejal Abhivant	F	tejalabhivant02@gmail.com	7020355700
Team Member	Shreya Supe	F	shreyasupe79@gmail.com	9373719421
Team Member	Snehal Wable	F	snehalwable2@gamil.com	9730563452

Sincerely,

RNPatil

Principal

Dr. R. N. Patil

: Founder :
Dr. Patangrao Kadam
M.A., LL.B., Ph.D.

I/C Principal
Prof.(Dr.) R. N. Patil
M.E. (Met.), M.E.(Prod.), Ph.D.(Mech. Engg.)

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, LAVALE, PUNE

(Recognised by AICTE, New Delhi, DTE Mumbai & Affiliated to Savitribai Phule Pune University)
● Id No. : PU/PN/Engg./443/2012 ● DTE College Code : EN6796 ● AISHE Code :- C-41597

Ref. No. : BV / COEL / 852 / 2021-22
Date : 13/4/2022

Date: 13 /4 /2022

Sub: Smart India Hackathon 2022 – Nomination

I am pleased to nominate the below team from our college to participate in Smart India Hackathon 2022. AICTE Application No/ UGC Registration No for our college is **1-506962621**.

Team : < Hack Whack >

	Name	Gender (M/F)	Email id	Mobile no.
Team Leader	Siddhesh Hood	M	siddhesh.hood-coel@bvp.edu.in	9403017166
Team Member	Manas Wankhade	M	manas.wankhade-coel@bvp.edu.in	8077113360
Team Member	Aniruddh Somase	M	aniruddh.somase-coel@bvp.edu.in	9579780234
Team Member	Khushali Khairnar	F	khushali.khairnar-coel@bvp.edu.in	9325178171
Team Member	Atharva Nawarange	M	atharva.nawarange-coel@bvp.edu.in	9767908039
Team Member	Kunal Nagdive	M	kunal.nagdive-coel@bvp.edu.in	7776901429

Sincerely,

R.N.Patil
Principal

Dr. R. N. Patil

: Founder :
Dr. Patangrao Kadam
M.A., LL.B., Ph·D·

I/C Principal
Prof.(Dr.) R. N. Patil
M.E. (Met.), M.E.(Prod.), Ph.D.(Mech. Engg.)

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, LAVALE, PUNE

(Recognised by AICTE, New Delhi, DTE Mumbai & Affiliated to Savitribai Phule Pune University)
● Id No. : PU/PN/Engg./443/2012 ● DTE College Code : EN6796 ● AISHE Code :- C-41597

Ref. No. : BV / COEL / 851 / 2021-22
Date : 13/4/2022

Date: 13 /4 /2022

Sub: Smart India Hackathon 2022 – Nomination

I am pleased to nominate the below team from our college to participate in Smart India Hackathon 2022. AICTE Application No/ UGC Registration No for our college is **1-506962621**.

Team : < NexGen SME>

	Name	Gender (M/F)	Email id	Mobile no.
Team Leader	Shubh Sharma	M	shubhrudr@gmail.com	7208713185
Team Member	Prem Katte	M	premkatte105108@gmail.com	9511990282
Team Member	Om Bhamare	M	ombhamare75@gmail.com	8766724466
Team Member	Prathamesh Konde	M	prathameshkonde16@gmail.com	9850453819
Team Member	Vaishnavi Marne	F	Vaishnavi.marne-coel@bvp.edu.in	9307045332
Team Member	Harshal Bhangale	M	buddyharshal2751@gmail.com	9518574203

Sincerely,

RNPatil
Principal

Dr. R. N. Patil

: Founder :
Dr. Patangrao Kadam
M.A., LL.B., Ph.D.

I/C Principal
Prof.(Dr.) R. N. Patil
M.E. (Met.), M.E.(Prod.), Ph.D.(Mech. Engg.)

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, LAVALE, PUNE

(Recognised by AICTE, New Delhi, DTE Mumbai & Affiliated to Savitribai Phule Pune University)
● Id No. : PU/PN/Engg./443/2012 ● DTE College Code : EN6796 ● AISHE Code :- C-41597

Ref. No. : BV / COEL / 847 / 2021-22
Date : 13/4/2022

Date: 13 /4 /2022

Sub: Smart India Hackathon 2022 – Nomination

I am pleased to nominate the below team from our college to participate in Smart India Hackathon 2022. AICTE Application No/ UGC Registration No for our college is **1-506962621**.

Team : <iHope>

	Name	Gender (M/F)	Email id	Mobile no.
Team Leader	Arushi Bhatnagar	F	guinnessarushi@gmail.com	9588631211
Team Member	Shruti Nagar	F	shrutinagar32@gmail.com	9129342908
Team Member	Abhay Kumar	M	abhaykumar1362@gmail.com	7543867192
Team Member	Tejas Gawali	M	tejasgawali0180@gmail.com	8766087610
Team Member	Rachit Ingle	M	rachitingle2002@gmail.com	9179394972
Team Member	Pranav Mahalpure	M	pranavmahalpure0306@gmail.com	8208692559

Sincerely,

RNPatil
Principal

Dr. R. N. Patil

At / Post Lavale, Tal. Mulashi, Pune - 412 115.
Phone : (020) 20291357 Email : coelpune@bharatividyapeeth.edu
Website : http://bvcoe.bharatividyapeeth.edu

: Founder :
Dr. Patangrao Kadam
M.A., LL.B., Ph·D·

I/C Principal
Prof.(Dr.) R. N. Patil
M.E. (Met.), M.E.(Prod.), Ph.D.(Mech. Engg.)

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, LAVALE, PUNE

(Recognised by AICTE, New Delhi, DTE Mumbai & Affiliated to Savitribai Phule Pune University)
● Id No. : PU/PN/Engg./443/2012 ● DTE College Code : EN6796 ● AISHE Code :- C-41597

Ref. No. : BV / COEL / 853 / 2021-22
Date : 13/4/2022

Date: 13 /4 /2022

Sub: Smart India Hackathon 2022 – Nomination

I am pleased to nominate the below team from our college to participate in Smart India Hackathon 2022. AICTE Application No/ UGC Registration No for our college is **1-506962621**.

Team : < DRAVYA >

	Name	Gender (M/F)	Email id	Mobile no.
Team Leader	Darshan Amrutkar	M	amrutkar.darshan@gmail.com	7774076670
Team Member	Abhay Pratap Singh	M	rblabhay915@gmail.com	7380367284
Team Member	Janhavi Raut	F	janhaviraut0@gmail.com	7499417089
Team Member	Krushna Zamwar	F	krashuzamwar@gmail.com	8080281685
Team Member	Siddharth Kanade	M	siddharthkanade2015@gmaiil.com	8208132160
Team Member	Siddhi Soni	F	siddhisoni909@gmail.com	9420500960

Sincerely,

RNPatil
Principal

Dr. R. N. Patil

: Founder :
Dr. Patangrao Kadam
M.A., LL.B., Ph·D·

I/C Principal
Prof.(Dr.) R. N. Patil
M.E.(Met.), M.E.(Prod.), Ph.D.(Mech. Engg.)

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, LAVALE, PUNE

(Recognised by AICTE, New Delhi, DTE Mumbai & Affiliated to Savitribai Phule Pune University)
● Id No. : PU/PN/Engg./443/2012 ● DTE College Code : EN6796 ● AISHE Code :- C-41597

Ref. No. : BV / COEL / 858 / 2021-22
Date : 13/4/2022

Date: 13 /4 /2022

Sub: Smart India Hackathon 2022 – Nomination

I am pleased to nominate the below team from our college to participate in Smart India Hackathon 2022. AICTE Application No/ UGC Registration No for our college is **1-506962621**.

Team : < The Flyers >

	Name	Gender (M/F)	Email id	Mobile no.
Team Leader	Nagesh jamdar	M	nageshjamadar187@gmail.com	9156261106
Team Member	Tushar bhabad	M	tusharbhabad100@gmail.com	8652358432
Team Member	Tejas pawar	M	7588tejaspawar@gmail.com	9172655065
Team Member	Snehal dunedar	F	snehadunedar@gmail.com	8788506948
Team Member	Jhanvi nandanwar	F	jhanvinandanwar20@gmail.com	9370555748
Team Member	Mahesh waghmare	M	maheshwaghmare289@gmail.com	7448202884

Sincerely,

RNPatil
Principal

Dr. R. N. Patil

At / Post Lavale, Tal. Mulashi, Pune - 412 115.
Phone : (020) 20291357 Email : coelpune@bharatividyapeeth.edu
Website : http://bvcoe.bharatividyapeeth.edu

: Founder :
Dr. Patangrao Kadam
M.A., LL.B., Ph·D·

I/C Principal
Prof.(Dr.) R. N. Patil
M.E.(Met.), M.E.(Prod.), Ph.D.(Mech. Engg.)

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, LAVALE, PUNE

(Recognised by AICTE, New Delhi, DTE Mumbai & Affiliated to Savitribai Phule Pune University)
● Id No. : PU/PN/Engg./443/2012 ● DTE College Code : EN6796 ● AISHE Code :- C-41597

Ref. No. : BV / COEL / 849 / 2021-22
Date : 13/4/22

Date: 13 /4 /2022

Sub: Smart India Hackathon 2022 – Nomination

I am pleased to nominate the below team from our college to participate in Smart India Hackathon 2022. AICTE Application No/ UGC Registration No for our college is **1-506962621**.

Team : < Star Techies$ >

	Name	Gender (M/F)	Email id	Mobile no.
Team Leader	Rutuja Chaudhari	F	rutujachaudhari928@gmail.com	9359738774
Team Member	Aniruddha Girme	M	amgirme3747@gmail.com	8208115156
Team Member	Tejas Kulkarni	M	kulkarnitejas2002@gmail.com	77199 55738
Team Member	Shravan Kumbhar	M	Shravankumbhar2121@gmail.com	97304 20028
Team Member	Rutuja Raut	F	rutuhr17@gmail.com	95450 83378
Team Member	Ankita Amup	F	ankita.abuj-coel@bvp.edu.in	70586 60150

Sincerely,

R.N.Patil
Principal

Dr. R. N. Patil

BharatiVidyapeeth's College of Engineering

Lavale, Pune- 412 115, Maharashtra State.
Phone: (020) 6500 3345, Website: bvcoe.bharatividyapeeth.edu

Department of Mechanical Engineering

Go kart ActivityReport February-2020

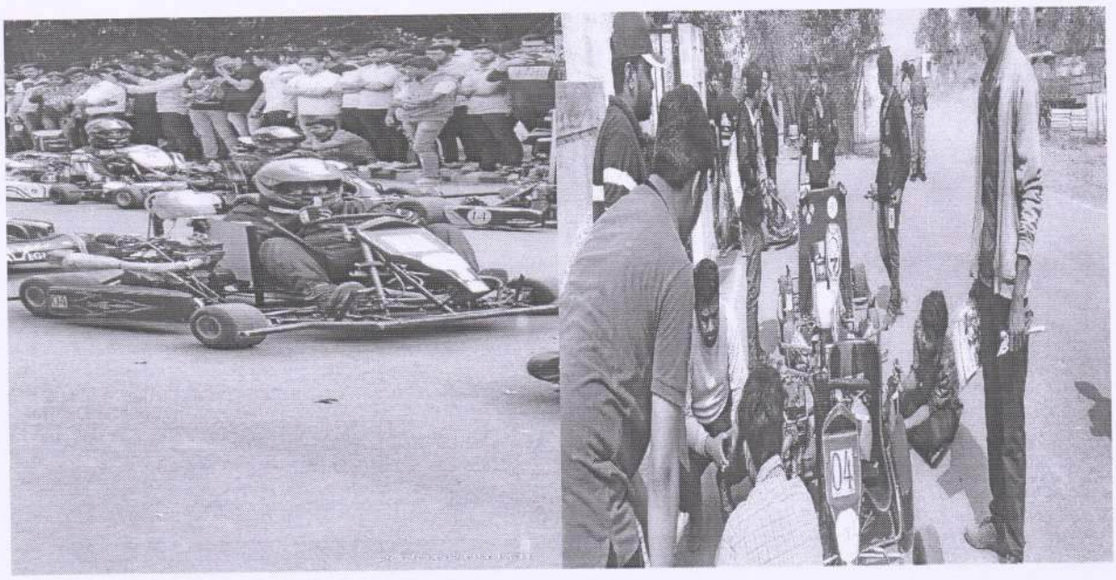
Go kartTeam Abhyudaya of Department of Mechanical Engineering has participated in two events in February 2020.They have successfully completed all the rounds and won prizes in AIRC and SKDC event. Team members have shown their potential in both statics and Dynamics Event. Judges have praised team members for their work in Design and Fabrication of the kart.Details of the Participation is as given below.

Sr.No	Name of the Event	Date	Team Strength	Competition Key Remark	Venue
1	Auto India Racing Championship (AIRC)	06/02/2020 to 09/02/2020	15	Qualify four rounds.Team won **runner prize** in social media category	AjinkyaD.Y.PatilUniveristy Lohagaon,Pune
2	Students Kart Design Challenge (SKDC)	25/02/2020 to 28/02/2020	13	Qualify All Rounds and won **Autocross Runner-up Prize** with Trophy and Appreciation Letter from Organizing Authority to Faculty Advisor.	Gokart Racing Track, Hydrabad.

Faculty Advisor
(Prof M.H. Rawl)

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

Glimpse of the AIRC Event:



Team Abhydaya Go-Kart Ready for Dynamic Round and Testing Round

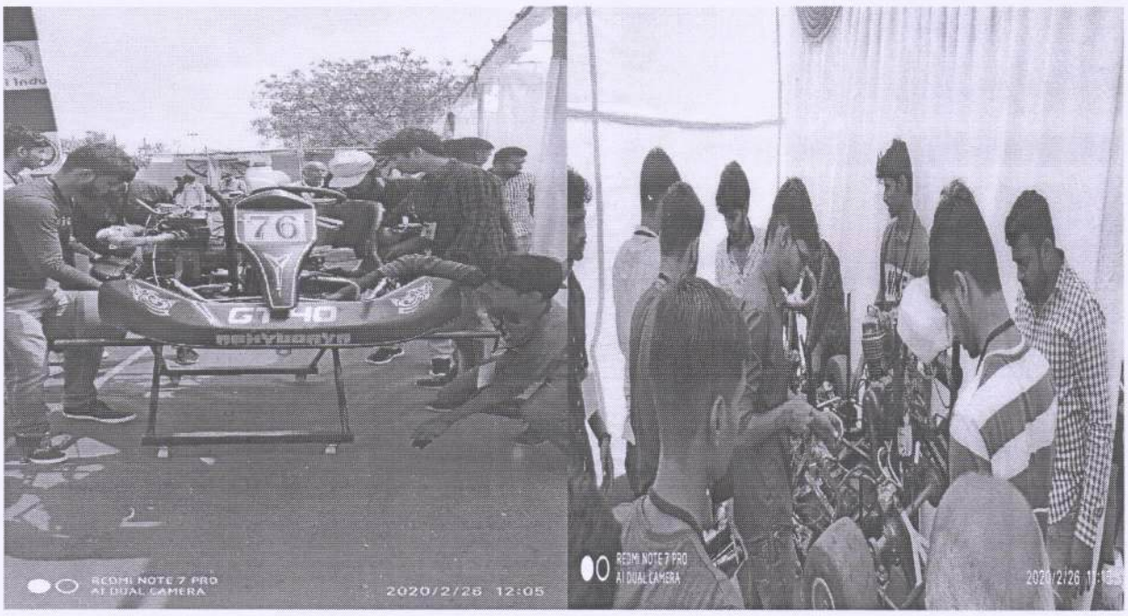


Team Abhydaya's Prize in AIRC Event

Faculty Advisor
Prof. M. M. Raut.

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

Glimpse of the SKDC Event:



Team Abhyudaya's Go Kart Ready for Testing Round and some Troubleshoot work at SKDC



Team Abhyudaya's Go Kart at Prize Distribution Ceremony and Trophy

Faculty Advisor
(Prof. A.N. Raut)

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

CERTIFICATE
OF PARTICIPATION

STUDENTS KART DESIGN CHALLENGE
SEASON - IV

This certificate is awarded to

TEAM ABHYUDAYA 4.0

in recognition of your successful achievement has

AUTOCROSS RUNNERUP

Organized by

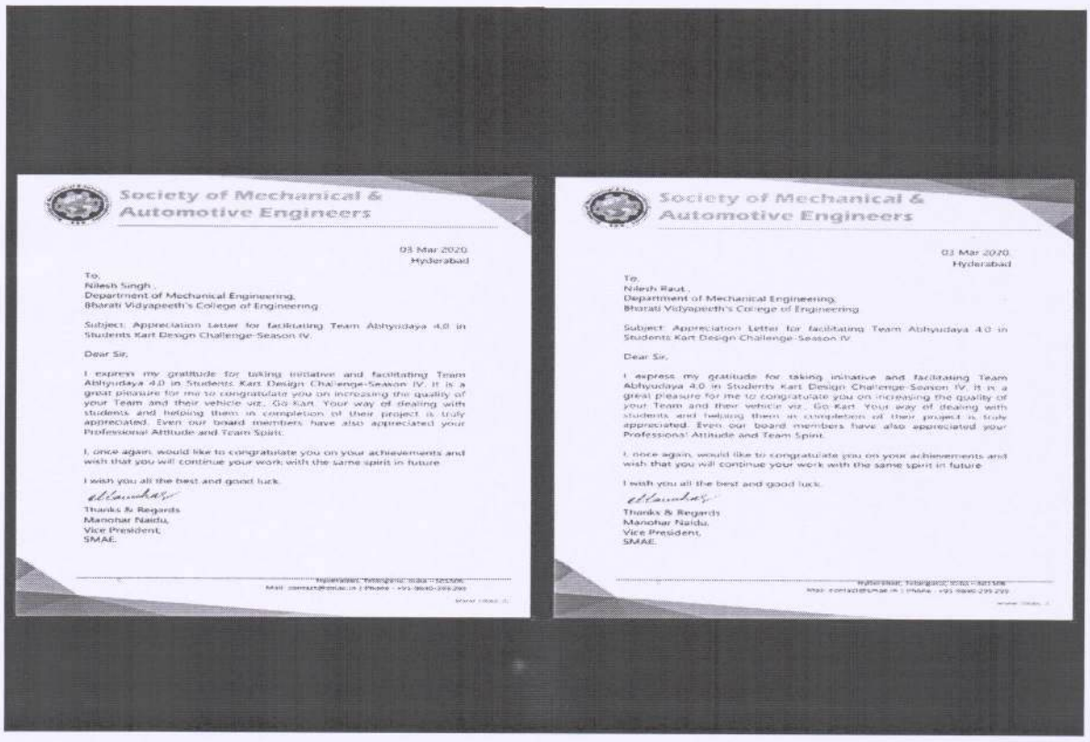
SOCIETY OF MECHANICAL AND AUTOMOTIVE ENGINEERS

Certified by ISO 9001:2015

Chief Technical Officer | Convener

Sri India

Runner-up Certificate



Society of Mechanical & Automotive Engineers

03 Mar 2020
Hyderabad

To,
Nilesh Singh ,
Department of Mechanical Engineering,
Bharati Vidyapeeth's College of Engineering

Subject: Appreciation Letter for facilitating Team Abhyudaya 4.0 in Students Kart Design Challenge-Season IV.

Dear Sir,

I express my gratitude for taking initiative and facilitating Team Abhyudaya 4.0 in Students Kart Design Challenge-Season IV. It is a great pleasure for me to congratulate you on increasing the quality of your Team and their vehicle viz., Go Kart. Your way of dealing with students and helping them in completion of their project is truly appreciated. Even our board members have also appreciated your Professional Attitude and Team Spirit.

I, once again, would like to congratulate you on your achievements and wish that you will continue your work with the same spirit in future.

I wish you all the best and good luck.

Thanks & Regards
Manohar Naidu,
Vice President,
SMAE.

Society of Mechanical & Automotive Engineers

03 Mar 2020
Hyderabad

To,
Nilesh Raut ,
Department of Mechanical Engineering,
Bharati Vidyapeeth's College of Engineering

Subject: Appreciation Letter for facilitating Team Abhyudaya 4.0 in Students Kart Design Challenge-Season IV.

Dear Sir,

I express my gratitude for taking initiative and facilitating Team Abhyudaya 4.0 in Students Kart Design Challenge-Season IV. It is a great pleasure for me to congratulate you on increasing the quality of your Team and their vehicle viz., Go Kart. Your way of dealing with students and helping them in completion of their project is truly appreciated. Even our board members have also appreciated your Professional Attitude and Team Spirit.

I, once again, would like to congratulate you on your achievements and wish that you will continue your work with the same spirit in future.

I wish you all the best and good luck.

Thanks & Regards
Manohar Naidu,
Vice President,
SMAE.

Faculty Advisor Appreciation Letter for SKDC Event by SMAE

(Prof. N. N. Raut)
Faculty Advisor.

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

A Report On

FAREWELL 2K22

OF BE STUDENTS

Bharati Vidyapeeth's College of Engineering, Lavale, Pune.

Department of Civil Engineering

Guidance

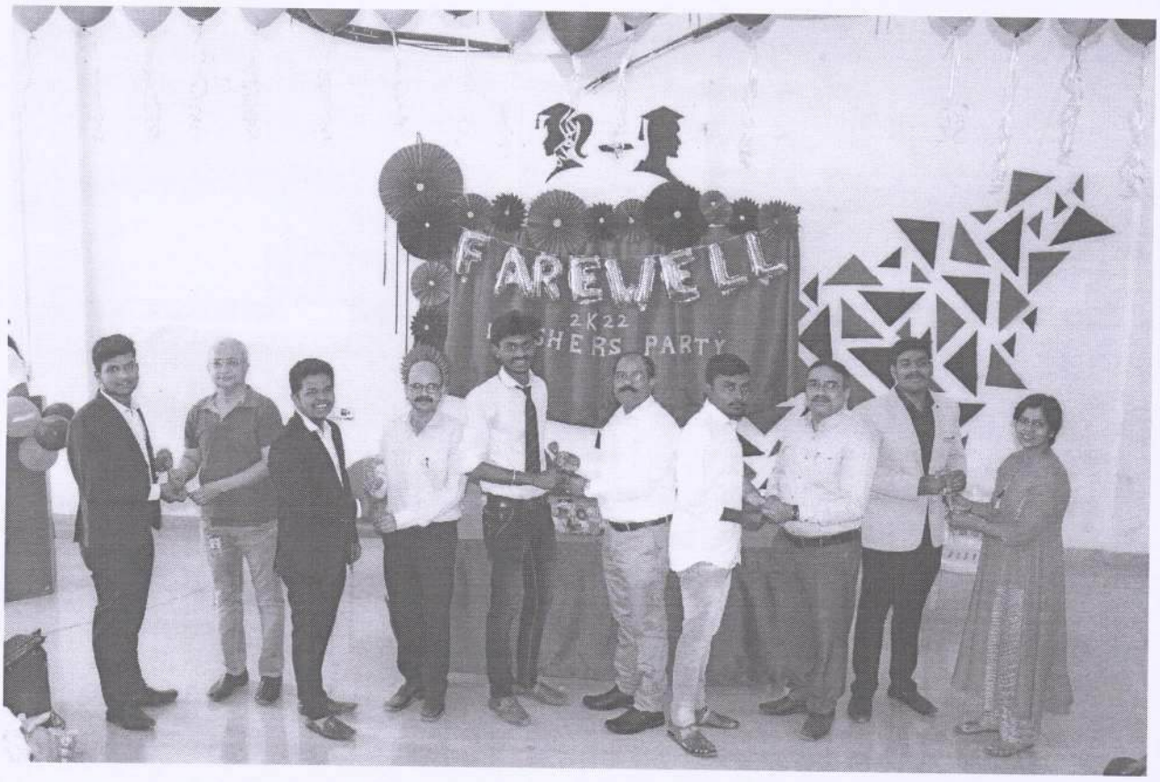
Dr. Uday Patil sir
Chairman of CESA
HOD of civil department

Report by:

TE CIVIL STUDENTS

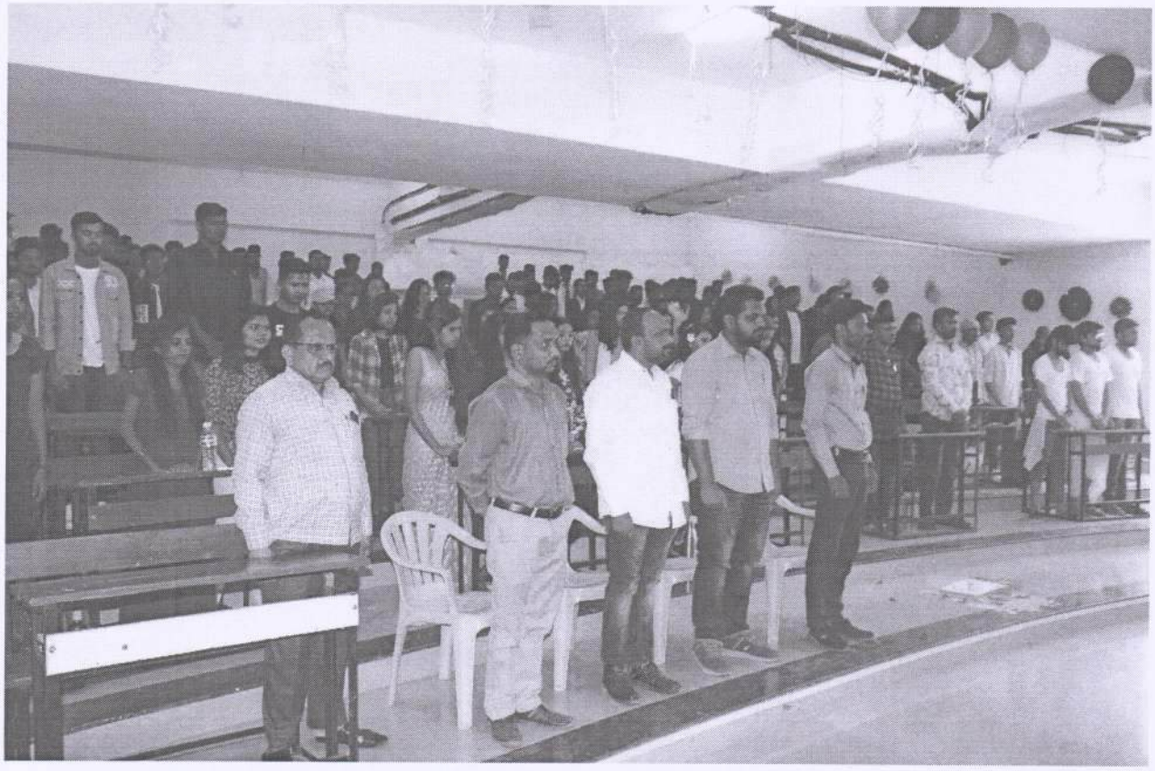
Civil Engineering Student's Association

Bharati Vidyapeeth's College of Engineering, Lavale, Pune.



On 6th may, farewell party of B. E 2022 batch and freshers party of S. E students was organised in civil seminar hall hosted by head of civil department, DR. Uday patil sir and T. Estudents of Bharati Vidyapeeth college of engineering lavale. The dress code for this programme was bollywood theme dress. The bharati vidyapeeth song was played till everybody join the programme. Then we started the programme. Welcome address was given by anchors Miss sakshi shinde and mr. Onkar pawar. Then programme was commenced by doing the saraswati pooja by principal Dr. R. N. Patil sir and all heads of department. Further, prof. Neeraj Gangurde addressed the students about shau maharaj smruti shatabdi and talked about his life lessons, followed by 100 sec standing in order to pay respect to him.

Then Head of civil department Dr. Uday patil sir shared his views of the programme, motivated the B. E students for their future and welcomed the new students for their time being in college. Then B. E Student and CESA president Mr. Rushikesh Jadhav shared his views and memories of college and motivated the T. E students for their future. Further, Miss. Nandini from B. E shared her thoughts and memories about her time in college. The programme was thus followed by few words of faculty member, Prof. Mokashi sir and prof. Neeraj Gangurde sir. They motivated the students for their future and said few words about their time being in college.

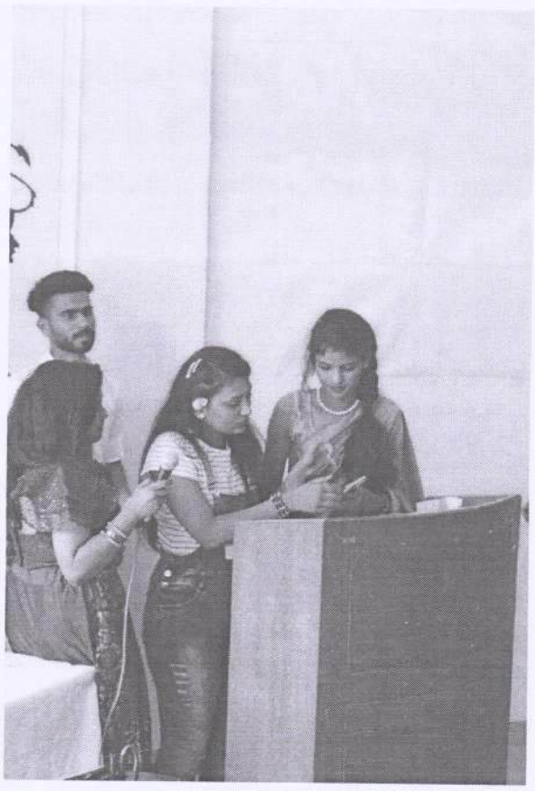


Further, the winner's announcement and trophy distribution was done by principal Dr. R. N. Patil sir for their immense hard work during the fest programmers. The following winners of photography competition based on nature photos, SETU bridge model making competition lets build bridges not walls competition and winners of Volley league hosted by civil department was called on stage and were appreciated from principal sir by giving trophies.

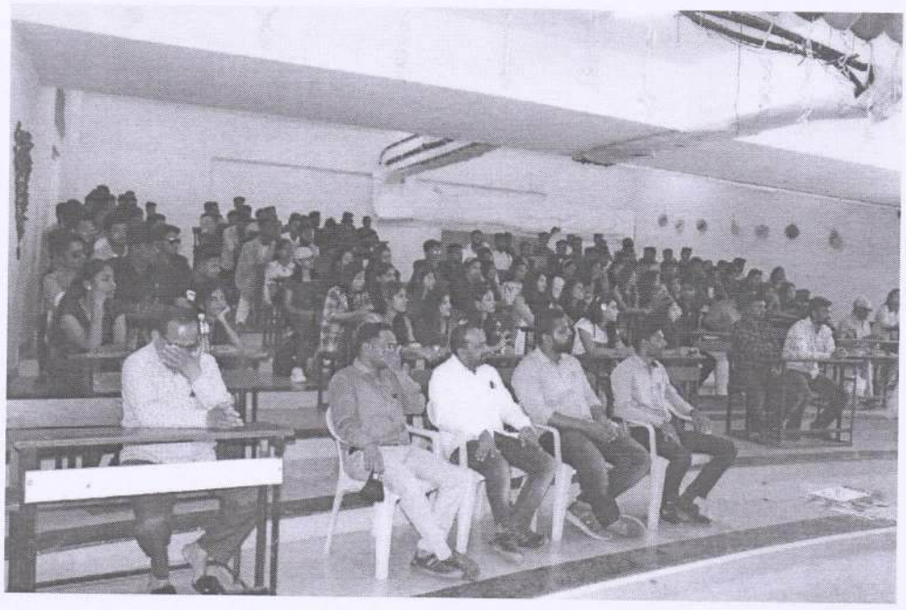
Then principal DR. R. N. Patil sir shared his views about the programmed, talked about some life aspects and motivated all the students to do their best in their future. This was followed by felicitations of all the B. E students by principal sir and all heads of department. Moving musical chair game was played for all the B. E student's and S. E students, various rounds were conducted followed by various winners. Then each winner were given some prizes.

Moving on, a dance performance was done by S. E students on various marathi song in which all the students enjoyed a lot.

A short memory video was played including some photos of B. E student's and the priceless memories they shared while being in college edited excellently by Mr. Shubham Gullapelli. Then again, a fun game fish pond was played in which the coordinator's Miss. Kethaki Kothalkar and Miss. Harshada gawali read out the fish pond messages for the students which was written by their friends. Students enjoyed the game a lot.
And following prizes were given to the students.



Then again a dance performance by T. E Students was conducted on various bollywood songs thus describing the character they become For the bollywood day theme. All the student enjoyed the whole programme and at last some students did get emotional by remembering all the memories they have shared in the college



At last vote of thanks was presented by Mr. Aman Mogre who thanked all the heads of department, principal sir, all the students present and coordinator for making the whole programme a successful one. After that lunch was arranged for all the students and faculty members. Thus, the programme ended by some sweet memories and joyful mood.

S.A. Shegane
(Event Co-ordinator)

H.O.D.
Dept. of Civil Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune

Bharati Vidyapeeth College of Engineering

Lavale, Pune- 412 115, Maharashtra State.
Phone: (020) 6500 3345, Website: bvcoe.bharatividyapeeth.edu

Department of Computer Engineering

NOTICE

Ref. No: BV/COEL/ 119/2018-2019. **Date: 27/08/2018**

An Expert talk on "Project management" by Dr. Shashank Joshi (Dean, Faculty of Engineering and Technology, Bharati Vidyapeeth Deemed University, Pune has been arranged in Mechanical Seminar Hall on 29th August 2018 from 9.30am to 11.30 am ,by Department Of Computer Engineering.

All the Students from SE, TE, BE should remain present for this Lecture. Attendance is mandatory.

@Patk 27/8/2018.

Prof.U.C.Patkar
H.O.D

H. O. D.
Computer Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

Head
Dept. of Computer Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, LAVALE, PUNE

DEPARTMENT OF COMPUTER ENGINEERING

29 AUGUST 2018

'EXPERT TALK ON PROJECT MANAGEMENT'

BY

DR. SHASHANK JOSHI

Prof.PRATIMA KADAM
Event Co-ordinator

Prof.U.C.PATKAR
H.O.D Computer department

Head
Dept. of Computer Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

Activities performed in the event :

Lamp Lighting & Maa Sarswati Vandana.

Felicitation of Dr. Shashank Joshi by Principal Mr. R.N. Patil & Prof U.C.Patkar

Students are guided by Dr Shashank Joshi about the project work, he explains every topic with the help of presentations.

Dr Joshi has his PhD in computer science and has a great teaching experience. He is now on the post of Dean at Bharati Vidyapeeth COE Pune.

He is in association with Bharati Vidyapeeth for past 20 years and has successfully handled educational institutional management work as a great team leader.

He guided students the importance of projects with industry perspective and what industry demands.

He explained regarding selection of topic. He stressed on the dos and don'ts while writing the project to avoid future problems.

He provided students with references which would help for the project work like IEEE paper work.
He also stressed on avoiding plagiarism, as it may also risk the degree.

At last vote of thanks by Prof. Pratima Kadam.

We appreciate his efforts of guiding students with an important topic and helping them plan out their future steps.
Computer department feel blessed to witness such an eminent personality.

TE Comp Seminar 29/8/18

11:00 — 1:15

1	Minesh Ahirekar	66	Ahirekar
2	Vipul Jadhav	24	Vipul.
3.	Damini Pawar	40	Damini
4.	Apurva Hajare.	18	Hajare
5	Prathamesh Kshirsagar	30	
6	Adesh. Potdukhe.	42	
7	Harshada Bandal	19	
8.	Shweta Bolake	03	
9.	Apurva. Vavle.	52	Apurva
10	Purva. Vavle.	53	Purva
11	Nikita Pawale.	39	Npawale
12	Kalpeksha. Surve.	48	Ksurve.
13	Juilee. Kudle.	26	Juilee
14	Jyoti	17	Jyoti
15	Jadhav Kiran	23	
16	Rohit Bhande	5	Bhan
17	Mr Pankaj Rodage	44	Rokade
18	Vaishnavi Kohinkar	29	Kohinkar
19	Nikita Chandrapatle	27	Patle
20	Manish Mathinkar	33	Manish
21	Bhageshri Khare	28	Bhageshri
22	Sneha menon.	24	sneha.
23	Rugved Durbade	09	

Head
Dept. of Computer Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

Bharati Vidyapeeth's College of Engineering

Lavale, Pune- 412 115, Maharashtra State.
Phone: (020) 6500 3345, Website: bvcoe.bharatividyapeeth.edu

Department of Mechanical Engineering

Date:- 14/06/2018

To,

The Principal
BVCOE, Lavale
Pune-15

Subject: - Permission to arrange Institutional Solidworks Course .

Dear Sir,

With reference to above subject, Institutional Solidworks Course for Mechanical Students is proposed from 18/8/2018 to 6/10/2018 (48Hrs) in association with CADD Centre Pune.

Kindly permit us for the same.

Thanking You,

Yours Sincerely

H. O. D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

HOD (mech)
Pl. Discuss the proposal in person.
RNPatil
15.6.18

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

Permitted
RNPatil
22.6.18

Bharati Vidya eeth's College of Engineering
Lavale, Pune- 412 115, Maharashtra State.
Phone: (020) 700 3345, Website: bvcoe.bharatividyapeeth.edu
Department of Mechanical Engineering

Date: 20/06/2018

Notice

All the Students of SE and BE Mechanical are herby informed that the Solidworks Course (2018-19) is scheduled from August 2018 to October 2018.Total duration of the course is 48 Hrs. Interested students should register your name to Prof.Shankar Kadam on or before 2/7/2018.

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

Bharati Vidyapeeth's College of Engineering

Lavale, Pune- 412 115

REPORT OF SOLIDWORKS COURSE 2018-19

Program Code : BVCOE/Mech/SE/001

Program Name : MECHANICAL CADD

Course : SOLIDWORKS

Date of MoU : 2017

Session and Total Duration : 18th Aug 2018- 6th Oct 2018 (48Hrs)

Program Co-ordinator : Prof.SAGAR P DHAMONE & Prof.S.N.Kadam

Company Name : CADD CENTRE, PUNE

Company Co-ordinator : Mr.kaustubh Panse

Course Details : To Facilitate the college with professional training centers / Industry in CAD/CAM/CAE software,Certificative Course arranged by BVCOEL Mechanical Department. With course objective to developed technical aptitude so that students can able to crack or success in model & 2D CAD ; classes started from 18th Aug 2018 and successfully accomplished on 6th Oct 2018. Expert from CADD CENTRE Pune delivered lectures as well as practical session with industrial exposure & live project. The course includes basic engineering concepts, 2D sketch, 3D part Design, Assembly, drafting, sheet metal design & surfacing reading special session on GD & T and its application in an Industry etc. Certification has been done after the successful completion of the course to the registered candidates.

1.
2. S N Kadam
Faculty Coordinator

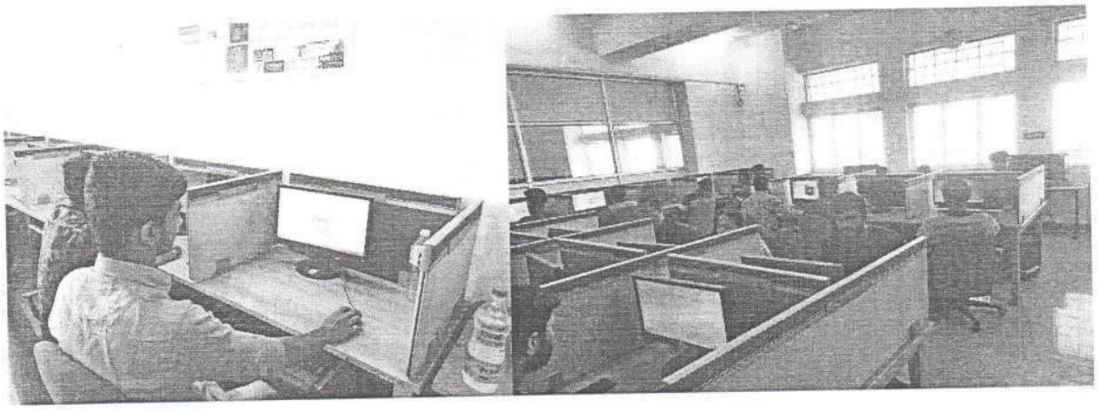
H. O. D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

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Mechanical Engineering
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College Of Engineering, Lavale Pune

Bharati Vidyapeeth's College of Engineering

Lavale, Pune- 412 115

Glimpse of the Course



Students exploring solidworks Knowledge



Practical Session Solidworks Course

Bharati Vidyapeeth's College of Engineering

Lavale, Pune- 412 115

Department Of Mechanical Engineering

List of Students for Solidworks Course (2018-19)

Sr. No.	Name	Year
1	Pavan Thorat	SE
2	Kunal mandlik	SE
3	Omkar jamdhar	SE
4	Virkar samadhan	SE
5	Abhijeet biradar	SE
6	Harshad sule	SE
7	Koli sumit	SE
8	Ashitosh kshirsagar	SE
9	Anish jadhav	SE
10	Varadroj jagdale	SE
11	Ashish pathak	SE
12	Vishal karpe	SE
13	Omkar kadam	SE
14	Pravin sutar	SE
15	Prasad wange	SE
16	Shubham more	SE
17	Prajval patil	SE
18	Mahima naik	SE
19	Hrithik inamdar	SE
20	Chetan change	SE
21	Yogesh Khalane	SE
22	Omkar patil	SE
23	Vaibhav borakar	SE
24	Amey mashrom	SE
25	Vishesh bhimte	SE
26	Amol anhad	BE
27	Vaibhav amritkar	BE
28	Pramod Yenare	BE
29	Kuldharan yogesh	BE
30	Musale paresh	BE
31	Sandesh gaikwad	BE
32	Pasalkar aniket	BE

SN Kodam
Faculty Coordinator

HOD
H. O. D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, LAVALE,PUNE-15
DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

Activities conducted in yr. 2018-19

Sr. No.	Date	Name of Event	Guest of Honor / Organization	Participants
1	05/09/2018	Teachers Day	BETA	All E&Tc Students
2	21/01/2019 to 25/01/2019	5 Days Workshop on - Machine Learning with Python	Ms. SumedhaSahasrabudhe (Director, eMaestro Academy, Pune), Ms. KalpanaKothawade (Trainer, eMaestro Academy, Pune)	93
3	25/02/2019	Guest Lecture on Three Phase Inverter and Converter	Dr. D. E. Upasani (HOD, Subject Chairman, SITS, Narhe, Pune)	18
4	19/03/2019	Industrial Expert Lecture on - Art of reading Electricity bill	Mr.YogendraTalwar (Director Strom Energie Pvt. Ltd. Kothrud, Pune)	27
5	29/03/2019	Industrial Visit	Ropes Tech Pvt. Ltd	35

HOD

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

19-20

Workshop on

Industrial IOT

&

AI

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, LAVALE, PUNE-15
Department of Electronics and Telecommunication Engineering

Date:-30/09/2019

Report: - 5 Days Workshop on - **"Industrial IOT and Artificial Intelligence"**
Date: - 23/09/19 to 27/09/19

Bharati Vidyapeeth's College of Engineering, Lavale always aims for a better career of each student. Considering the future requirements and career scope, Department of Electronic and Telecommunication in association with INNOVURA Academy had arranged a 5 days workshop on the topic "Industrial IOT and Artificial Intelligence".

The workshop was inaugurated on 23rd September 2019 by respected Chief Guest Mrs. Kalpana Kothawade (Director of INNOVURA Academy) and Mr. Pritesh Shirsath(Trainer) in presence of HOD's of all department, Faculty members and Students of E&TC Department.

The workshop was conducted for 5 days from 23rd Sept to 27th Sept 2019 and the trainers are Mrs. Kalpana Kothawade (Director of INNOVURA Academy) and Mr. Pritesh Shirsath. Total **49 Students** from SE, TE and BE E&TC were eagerly participated and completed this 30 Hours workshop and were felicitated with certificate of participation on the day of conclusion (27th Sept. 2019).

The trainer taught the students all concepts of Industrial IOT (Internet of things) and Artificial Intelligence as per the Syllabus for 5 day workshop designed by them. Hands on of microcontroller NodeMCU and practical demonstrations also included in workshop which make understanding easier for students.

At the end of this workshop all the technology hungry participant's get knowledge about important parameters and concepts of Industrial IOT and Artificial Intelligence.

7/10/19
Workshop Incharge

Prof. S.G. Gawhale

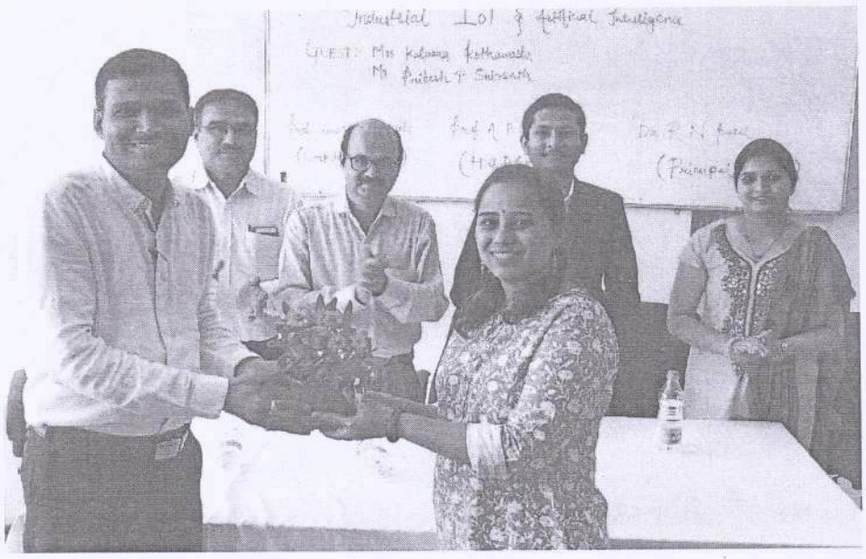
7/10/19.
HOD

Prof.A.B.Wani

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's College of Engineering, Lavale, Pune - 412 115.

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's College of Engineering, Lavale, Pune - 412 115.


BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING


Industrial IoT & Artificial Intelligence
GUEST: Mrs Kalpana Kothawale
Mr Pritesh P Satpathi





Head
Dept. of Electronics & Telecommunication
Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale. Pune - 412 115.

INVOICE

Innovura Academy
R H No.5, Ujwal Regalia, Baner-Mhalunge Road, Baner, Pune-45

Date: 27 Sept 19
Invoice No.: 2019-20/13

To,
The Principal,
Bharti Vidyapeeth COE,
Lavale, Pune

With kind attention to:
The HOD,
E&Tc Engg.,
BVCOEL, Pune

Invoice for the workshop held on "**Industrial Internet of Things and Artificial Intelligence**" from **23rd Sept 19 to 27th Sept 19.**

Sr. No.	Description	No. of students	Rate per student (Rs.)	Amount (Rs.)
1	5 days workshop	49	400	19600
			Total	**19600/-**

In words: Rs. Nineteen Thousand Six Hundred only

Terms and conditions:

1. Total payment due in 30 days.
2. Cheque to be issued in favour of "Innovura Academy"

INNOVURA ACADEMY * Baner, Pune-45 *

Kothawade
Director
Innovura Academy,
Baner, Pune

Date:- 19/11/2019

To ,

The Principal,

BVCOEL,Pune

Subject:- Issueing the cheque to Innovura Academy for conducting 5 days Workshop on Industial IOT and AI.

Respected Sir,

Department of E & Tc have successfully completed the Workshop on Industial IOT and AI. The workshop was conducted for 5 days from 23rd Sept to 27th Sept 2019 and the trainers are Mrs. Kalpana Kothawade (Director of INNOVURA Academy) and Mr. Pritesh Shirsath. Total 49 Students from SE, TE and BE E&TC participated and completed this 30 Hours workshop and were felicitated with certificate of participation on the day of conclusion (27th Sept. 2019).

The trainer taught the students all concepts of Industrial IOT (Internet of things) and Artificial Intelligence as per the Syllabus for 5 day workshop designed by them. Overall feedback from the students was satisfactory for this workshop.

So on behalf of E & Tc department we request you to issue the Cheque of amount 19600/- (Nineteen Thousand Six Hundred Only) as their workshop fees for successfully conducting 5 days workshop from the college BETA account.

Cheque to be issued in favour of " Innovura Academy"

Thanking you,

Your's Sincerely,

19/11/19

Prof. L.P.Chaudhari

(Vice Chairman, BETA)

19/11/19

Prof. A.B.Wani

(Chairman, BETA)

Shri. Mulik,
for Necessay action.
20.11.19

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

INVOICE

Innovura Academy
R H No.5, Ujwal Regalia, Baner-Mhalunge Road, Baner, Pune-45

Date: 27 Sept 19
Invoice No.: 2019-20/13

To,
The Principal,
Bharti Vidyapeeth COE,
Lavale, Pune

With kind attention to:
The HOD,
E&Tc Engg.,
BVCOEL, Pune

Invoice for the workshop held on **"Industrial Internet of Things and Artificial Intelligence"** from **23rd Sept 19 to 27th Sept 19.**

Sr. No.	Description	No. of students	Rate per student (Rs.)	Amount (Rs.)
1	5 days workshop	49	400	19600
			Total	**19600/-**

In words: Rs. Nineteen Thousand Six Hundred only

Terms and conditions:
1. Total payment due in 30 days.
2. Cheque to be issued in favour of "Innovura Academy"

INNOVURA ACADEMY * Baner, Pune-45 *

Director
Innovura Academy,
Baner, Pune

R.N.Patil
20.11.19

Bharati Vidyapeeth's College of Engineering
Lavale, Pune- 412 115, Maharashtra State.
Phone: (020) 6500 3345, Website: bvcoe.bharatividyapeeth.edu
Department of Electronics and Telecommunication Engineering

Date: 16/09/2019

To

The Principal,
Bharati Vidyapeeth's College of Engineering,
Lavale, Pune.

Subject: Grant Permission to organize workshop on Industrial IOT & Artificial Intelligence in the Department of Electronics & Telecommunication Engineering.

Dear Sir,

We all the Department of Electronics & Telecommunication Engineering faculty willing to organize **Workshop on Industrial IOT & Artificial Intelligence** dated on **23rd September 2019 to 27th September 2019 ie. Monday to Fridayat at 9.30 am to 4.30 pm** . The guest of honor for this program is Mrs. Kalpana Kothawade(Owner).For the workshop total 41 students has been registered till date and Rs. 500/students amount is to be charged.

Request you to kindly grant us the permission.

Thanks.

Prof. S.G. Gawhale
Workshop Incharge

Prof. A.B. Wani
HOD
Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's College of Engineering, Lavale, Pune - 412 115.

Permitted.
16.9.19

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's College of Engineering,
Lavale, Pune - 412 115

innovura
ACADEMY
INNOVATION STARTS HERE

Workshop on Industrial IoT and Artificial Intelligence

Certificate Of Appreciation

is hereby granted to:

Department of Electronics & Telecommunication

Bharati Vidyapeeth's College Of Engineering

Lavale, Pune - 412115

Date: 23rd Sept 19 to 27th Sept 2019.

Date of Issue : 27th Sept 2019

INNOVURA ACADEMY Baner, Pune-45

Kothawade.

Kalpana Kothawade
Director
Innovura Academy, Pune

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ACADEMY
INNOVATION STARTS HERE

Industrial IOT & Artificial Intelligence

Day 1 (IOT)

Introduction to IOT, Difference between IOT and Industrial IOT

Choosing Right Hardware/Controller:

Industry approved SOC's, SOB's (eg. Tordax, NXP, Nvida) vs. Arduino, Raspberry/Orange/Banana Pi.

Communication Protocols:

Electronics: I2C, SPI, GPIB/HPIB, Serial protocols.

Cloud: MQTT, Web Sockets, WRTC, Signal R.

IOT Stream Line.

Arduino interfacing with some sensors

Selection criteria of controller

Cloud Computing.

Q &A Sessions

DAY 2 (IOT in Automotive)

Concept to Reality (Product Flow):

Introduction to designing, concepts, design flow, various approaches/methods of product design.

Prototype formation.

Emerging new technologies of Automobiles: *(I think it's important to cover most of the points from this section as 'Electric vehicles' are developing and launch, within a couple of years.)*

Connected Cars, Shared Mobility, Advanced driver assistance systems (ADAS), Dual-Band, Multi-role Concurrency, WLAN VSDB vs. RSBD Architecture & Throughput (802.11ac Mode), Automotive Wireless Product Portfolio, Bluetooth-Based RKE/PEPS: Advantages, Mega Trends Force Vehicle Architecture Transformation, Vehicle Electrification: Diversity of Approaches, Accelerated EV System Development, Automotive BMS, (Battery Cell Controller).

DAY 3:

Case Studies:

1. Architectures for Automotive Matrix Headlight, LED, Matrix Manager, Buck LED Driver: EMI/EMC performance, Automotive Infotainment Use-Case, Basic Keyless Entry, Passive Keyless Entry: BT + WLAN solutions, Localization using RSSI. *(Using only Videos, PPT's, And might be give an example using Arduino LED Control).*

2. Using NodeMCU dev Kit and Ada-fruit beta site, for simple hands on cloud based GUI interface to control led brightness/intensity, updating digital I/O activity. **(Hands-on)**

3. Product Development / design flow Example, using Nodemcu to make anything wired RS-232 communication device to make devices wireless as well as connect to cloud/internet.

Industrial: LVDT sensor & its Read out Unit (DRO), Inductive Proximity Distance Sensor, Solenoid valves, Compact Automotive Relays.

Sensors modules: Ultrasonic Distance sensor, Photo-Electric Position Sensor, PIR Sensor, etc.

DAY 4:

Introduction to AI.

Original Definition/ Concept of AI & The 7 Aspects of AI.

Some of the Most Important Factors of AI.

Examples of AI- Machine Learning, Computer Vision, Natural Language Processing, Pattern Recognition, Robotics & Knowledge Management. with brief detailed description of each.

Industrial artificial intelligence.

Expert System.

Q & A

DAY 5:

Development Flow- Problem formulation, Propositional logic, First order predicate logic

Different Approaches- Eg. Fuzzy Logic, Pattern Recognition, Distance Based Neural Networks, Multilayer Neural Networks, Decision Trees, Population Based Search

Algorithmus & Programing Languages. (eg. Simple Regression, SVM (Support Vector Machine), Bayesian Classifiers, Clustering, PCA (Principal Component Analysis),etc..)

Case Studies:

1. Various Case Studies Eg: Alexa, Google Duplex AI,....
2. Hands on machine learning using Arduino.

innovura
ACADEMY
INNOVATION STARTS HERE

Requirement:

1. Computer lab
2. Arduino boards -5
3. ESP 8266 module-5

Note: 5 kits will be provided by us but not sufficient for 50 students.

Quotation: 600/- per student (min. 50 students)

Feedbak Report on Industrial IoT and Artificial Intellegence Wprkshop

Timestamp	Name of student	Class	A.The content was as described in publicity materials	B.The workshop was applicable to our academic	C.The program was well paced within the allotted time	D.The instructor was a good communicator	E.The material was presented in an organized manner	F.The Trainer/Speaker was knowledgeable on the topic	G.I would be interested in attending a follow-up, more advanced workshop on this same subject	H.Please rate the following:Visuals,Acoustics,Hall arrangement, The program overall	I.What did you most appreciate/enjoy/think was best about the course? Any suggestions for improvement?
9/26/2019 7:36:06	Akash watgure	Se	4	4	4	4	3	4	4	5	Got to explore concepts that existing in industry. Visualization to the IOT and AI in brief manner.
9/26/2019 8:04:03	Ayush Shukla	B.e	3	4	3	2	4	3	2	4	No suggestions
9/26/2019 8:06:00	Kartikey vaish	BE	3	4	4	2	3	3	2	4	No
9/26/2019 10:34:15	Mrunal Uday Battise	T.E.	4	5	5	4	5	4	4	5	The overall workshop is very good and informative. The 5 day workshop can enhance one's skill if he/she go through theory concept one more time at home and practice the hands on taught by trainer by their own. It usual that while teaching/learning some particular theory concept some students get distracted as they are not getting the things clearly. In such case you can implement alternative effective teaching techniques.
9/26/2019 23:26:22	Rutik shrikant Wadnerkar	SE E&TC	4	5	5	4	5	5	5	5	N
9/27/2019 0:27:59	Paritosh Pal	SE	3	3	2	4	3	5	3	4	Time management wasn't good .. Overall the program was good...
9/27/2019 0:31:35	Md Maaz	SE	4	4	4	4	4	4	4	4	Operating NODEMCU and learning about it.
9/27/2019 1:23:44	Saurabh jaiswal	T.E	4	4	4	5	4	5	5	3	Well it was useful from the industry perspective
9/27/2019 3:14:57	Abhishek	Se	3	3	2	2	2	3	1	3	Node mcu
9/27/2019 3:19:12	Manas	SE	3	3	3	2	1	3	3	3	Provide arduino boards
9/27/2019 4:23:27	Tejas S. Patil	T.E E&TC	4	4	4	4	4	4	3	4	Requirement of Laptops was to be told before the Workshop
9/27/2019 4:41:36	Sharwari	Se	2	1	2	1	2	3	1	3	Node MCU
9/27/2019 4:52:07	Hrutwik Sanjay Jiddewar	SE	4	5	4	4	4	4	4	4	Hands on session was great and got lots to learn in the workshop
9/27/2019 5:01:02	SHIPRA dorlikar	TE ENTC	3	3	3	3	2	3	2	2	N/A
9/27/2019 5:01:35	Amey Raghatate	Te	3	3	3	2	3	3	3	2	N/A
9/27/2019 5:09:46	Megha Tamrakar	Se entc	5	5	5	5	4	5	5	5	Nothing
9/27/2019 5:11:18	Atharva wanjari	Se	4	5	5	5	5	5	5	5	No suggeations
9/27/2019 5:13:48	Kalpesh Vijay Toraskar	SE	3	4	4	3	4	3	4	5	Good
9/27/2019 5:14:37	Kajal Hanumant Raut	SE	4	4	4	4	3	4	3	5	Robotics topic
9/27/2019 5:31:55	Rushi Yashwant Khandetod	SE	4	5	5	4	4	4	5	5	The session was great. More hands on session would have been great
9/27/2019 7:24:37	Nehal Sanjay Gajbhiye	TE	4	4	3	4	4	5	5	1	Hands on experience and visible. Results
9/27/2019 8:11:13	Nayan Vyas	TE	3	3	3	2	3	3	2	3	The workshop was gud but if it would have been a bit lesser in terms of duration den it would have been more better. The data provided was helpful and we got to learn more about various aspects of industrial requirements.
9/27/2019 22:26:23	Rahul chavan	TE	4	4	4	3	3	3	4	3	Vist
	Average		3.565217391	3.869565217	3.695652174	3.347826087	3.434782609	3.826086957	3.434782609	3.782608696	

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

* (46) out of (44) ⇒ 2 absent

(49) out of (45) ↓↓ (4) absent

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING ,LAVALE,PUNE

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Day (1)

WORKSHOP ON INDUSTRIAL IOT AND AI

Attendance sheet Date: 23-9-19

Sr. No.	PC No.	NAME OF STUDENT	CLASS	SESSION 1	SESSION 2	SESSION 3
1		Sharwari Bhosale	SE	Sharwari	Sharwari	Sharwari
2		Manas nil8i	SE	Manas	Manas	Manas
3		Jaiswal Saurabh Basantlal	T.E	Saurabh	Saurabh	Saurabh
4		Amey Raghatate	T.E	Amey	Amey	Amey
5		Nayan Vyas	TE	Nayan	Nayan	Nayan
6		Rushi Khandetod	SE	Rushi	Rushi	Rushi
7		Abhishek Kumar Yadav	S.E	Abhishek	Abhishek	Abhishek
8		Md Maaz	SE	Maaz	Maaz	Maaz
9		Hrutwik Jiddewar	Se	Hrutwik	Hrutwik	Hrutwik
10		Akshay Ankush Walunj	DSE	Akshay	Akshay	Akshay
11		Rahul Shaha	BE	Rahul	Rahul	Rahul
12		Nikita chavhan	Be	Nikita	Nikita	Nikita
13		Kartikey Vaish	BE	Kartikey	Kartikey	Kartikey
14		Ayush Shukla	B.E	Ayush	Ayush	Ayush
15		~~Kunjan Kanse~~ Devesh Talwar	BE	A	A	A
16		Chandrakant Desai	Te	CSDesai	CSDesai	CSDesai
17		Priyanka Firke	SE	P. Firke	P. Firke	P. Firke
18		Kajal raut	SE	KajalRaut	KajalRaut	KajalRaut
19		Harshal Kolhe	BE	Harshal	Harshal	Harshal
20		Nehal Sanjay Gajbhiye	TE			
21		Sujal Golar	TE	Sujal	Sujal	Sujal
22		Himanshu Pardeshi	TE	Himanshu	Himanshu	Himanshu
23		Jay Panari	TE	Jay	Jay	Jay
24		Pranita sawant	TE	P.C.Sawant	P.C.Sawant	P.C.Sawant
25		Rohit Ramdas Kumbhar	BE	Rohit	Rohit	Rohit
26		Megha tamrakar	SE	Megha	Megha	Megha
27		Mrunal Uday battise	TE	Mrunal	Mrunal	Mrunal
28		Atharva wanjari	S.E.	Atharva	Atharva	Atharva
29		Rahul Lokesh Chavan	TE	Rahul	Rahul	Rahul
30		Mayuri Wagh	Be	Mayuri	Mayuri	Mayuri
31		Paritosh Pal	SE	Paritosh	Paritosh	Paritosh
32		Prashant Dilip Shaha	B.E.	Shaha	Shaha	Shaha
33		Akash watgure	SE	Akash	Akash	Akash
34		Ajinkya wadbude	SE	Ajinkya	Ajinkya	Ajinkya
35		Omkar Laxman Mhadgut	SE	Omkar	Omkar	Omkar
36		Ritesh Gole	SE	Ritesh	Ritesh	Ritesh
37		Rutik shrikant Wadnerkar	SE	Rutik	Rutik	Rutik
38		Utpalkant Sahu	SE	Utpalkant	Utpalkant	Utpalkant
39		Kalpesh Vijay Toraskar	SE	Kalpesh	Kalpesh	Kalpesh
40		Koithodathu Godson Abraha	SE	Godson	Godson	Godson
41		vaibhavi patil	TE	Vaibhavi	Vaibhavi	Vaibhavi
42		Suprobaha Chowdhury	BE			
43		Shipra Dorlikar	TE	Shipra	Shipra	Shipra
44		Tejas Patil	TE	Tejas	Tejas	Tejas
45		Gaurav Gavade	BE	Gaurav	Gaurav	Gaurav
46		Tanmay Vetal	SE	Tanmay	Tanmay	Tanmay
~~47~~		~~Mayuri Wagh~~	~~BE~~	~~Mayuri~~	~~Mayuri~~	
48		Pratik Chandurkar	BE	A	A	A
~~48~~ 49		Hemant Kakde Ashwini Shitole	BE BE	A A	A A	A A

* 49 out of 49 present

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING ,LAVALE,PUNE

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

WORKSHOP ON INDUSTRIAL IOT AND AI

Day 2

Attendance sheet Date: 24-9-19

Sr. No.	PC No.	NAME OF STUDENT	CLASS	SESSION 1	SESSION 2	SESSION 3
1	51	Sharwari Bhosale	SE ENTC	Sharwari	Sharwari	Sharwari
2	85	Manas nile	SE	Manas	Manas	Manas
3	50	Jaiswal Saurabh Basantlal	T.E	Saurabh	Saurabh	Saurabh
4		Amey Raghatate	T.E			
5		Nayan Vyas	TE EnTc	Nayan	Nayan	Nayan
6	72	Rushi Khandetod	SE EnTC	Rushi	Rushi	Rushi
7		Abhishek Kumar Yadav	S.E	Abhishek	Abhishek	Abhishek
8		Md Maaz	SE	Maaz	Maaz	Maaz
9	71	Hrutwik Jiddewar	Se	Hrutwik	Hrutwik	Hrutwik
10		Akshay Ankush Walunj	DSE			
11		Rahul Shaha	BE ENTC	Rahul	Rahul	Rahul
12		Nikita chavhan	Be			
13		Kartikey Vaish	BE	Kartikey	Kartikey	Kartikey
14		Ayush Shukla	B.E	Ayush	Ayush	Ayush
15		~~Kunjan Kanse~~ Devesh Talw	~~BE~~	Devesh	Devesh	Devesh
16		Chandrakant Desai	Te	Desai	Desai	Desai
17		Priyanka Firke	SE E&TC	Priyanka	Priyanka	Priyanka
18		Kajal raut	SE-ENTC	KajalRaut	KajalRaut	KajalRaut
19		Harshal Kolhe	BE	Harshal	Harshal	Harshal
20		Nehal Sanjay Gajbhiye	TE			
21		Sujal Golar	TE EnTc	Sujal	Sujal	Sujal
22		Himanshu Pardeshi	TE ENTC class	Himanshu	Himanshu	Himanshu
23		Jay Panari	TE ENTC class			
24	52	Pranita sawant	Entc (TE)	P.C.Sawant	P.C.Sawant	P.C.Sawant
25		Rohit Ramdas Kumbhar	BE E& TC	Rohit	Rohit	Rohit
26		Megha tamrakar	SE E&TC	Megha	Megha	Megha
27		Mrunal Uday battise	TE	Mrunal	Mrunal	Mrunal
28	80	Atharva wanjari	S.E.	Atharva	Atharva	Atharva
29		Rahul Lokesh Chavan	TE ENTC	Rahul	Rahul	Rahul
30		Mayuri Wagh	Be	Mayuri	Mayuri	Mayuri
31		Paritosh Pal	SE (E&TC)	Paritosh	Paritosh	Paritosh
32		Prashant Dilip Shaha	B.E. E&TC	Prashant	Prashant	Prashant
33		Akash watgure	SE	Watgure	Watgure	Watgure
34		Ajinkya wadbude	SE ENTC	Ajinkya	Ajinkya	Ajinkya
35	76	Omkar Laxman Mhadgut	SE E&TC	Omkar	Omkar	Omkar
36	49	Ritesh Gole	SE	Ritesh	Ritesh	Ritesh
37		Rutik shrikant Wadnerkar	SE	Rutik	Rutik	Rutik
38		Utpalkant Sahu	SE ENTC	Utpalkant	Utpalkant	Utpalkant
39	72	Kalpesh Vijay Toraskar	SE	Kalpesh	Kalpesh	Kalpesh
40		Koithodathu Godson Abraha	E&TC SE			
41	54	vaibhavi patil	TE	Vaibhavi	Vaibhavi	Vaibhavi
42		Suprobaha Chowdhury	BE	Suprobaha	Suprobaha	Suprobaha
43		Shipra Dorlikar	TE	Shipra	Shipra	Shipra
44	47	Tejas Patil	TE	Tejas	Tejas	Tejas
45		Gaurav Gavade	BE	Gaurav	Gaurav	Gaurav
46		Tanmay Vetal	SE	Tanmay	Tanmay	Tanmay
47.		pratik chandurkar	BE	Pratik	Pratik	Pratik
48.		Hemant Kalede	BE	Hemant	Hemant	Hemant
49.		Ashwini Shitole	BE	Ashwini	Ashwini	Ashwini
~~50~~		~~Mayuri Wagh~~ ~~Shipra Dorlikar~~	~~BE~~ TE	~~Mayuri~~ Shipra	Shipra	Shipra

⇒ 49 out of 40 ⇐
(9) absent

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING ,LAVALE,PUNE

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Day 3

WORKSHOP ON INDUSTRIAL IOT AND AI

Attendance sheet Date: 25-09-19

Sr. No.	PC No.	NAME OF STUDENT	CLASS	SESSION 1	SESSION 2	SESSION 3
1	51	Sharwari Bhosale	SE	Sharwari	Sharwari	Sharwari
2	85	Manas nil8i	SE	Manas	Manas	Manas
3		Jaiswal Saurabh Basantlal	T.E	Saurabh	Saurabh	Saurabh
4		Amey Raghatate	T.E	A	A	A
5		Nayan Vyas	TE	A	A	A
6	72	Rushi Khandetod	SE	Rushi	Rushi	Rushi
7	77	Abhishek Kumar Yadav	S.E	Yadav	Abhishek	Abhishek
8	79	Md Maaz	SE	Maaz	Maaz	Maaz
9	71	Hrutwik Jiddewar	Se	Hrutwik	Hrutwik	Hrutwik
10	66	Akshay Ankush Walunj	DSE	Akshay	Akshay	Akshay
11		Rahul Shaha	BE	Rahul	Rahul	Rahul
12		Nikita chavhan	Be	A	A	A
13		Kartikey Vaish	BE	A	A	A
14		Ayush Shukla	B.E	A	A	A
15		~~Kunjan Kanse~~ Devesh Talwar	BE	Devesh	Devesh	Devesh
16		Chandrakant Desai	Te	Chandrakant	Chandrakant	Chandrakant
17		Priyanka Firke	SE	P.Firke	P.Firke	P.Firke
18		Kajal raut	SE	KajalRaut	KajalRaut	KajalRaut
19		Harshal Kolhe	BE	A	A	A
20		Nehal Sanjay Gajbhiye	TE			
21		Sujal Golar	TE	Sujal	Sujal	Sujal
22		Himanshu Pardeshi	TE	Himanshu	Himanshu	Himanshu
23		Jay Panari	TE	Jay	Jay	Jay
24	53	Pranita sawant	TE	P.C.Sawant Rohit	P.C.Sawant Rohit	P.C.Sawant Rohit
25		Rohit Ramdas Kumbhar	BE			
26	86	Megha tamrakar	SE	Megha	Megha	Megha
27		Mrunal Uday battise	TE	Mrunal	Mrunal	Mrunal
28	80	Atharva wanjari	S.E.	Atharva	Atharva	Atharva
29		Rahul Lokesh Chavan	TE	Rahul	Rahul	Rahul
30		Mayuri Wagh	Be	Mayuri	Mayuri	Mayuri
31	52	Paritosh Pal	SE	Paritosh	Paritosh	Paritosh
32		Prashant Dilip Shaha	B.E.	Prashant	Prashant	Prashant
33	81	Akash watgure	SE	Akash	Akash	Akash
34	84	Ajinkya wadbude	SE	Ajinkya	Ajinkya	Ajinkya
35	76	Omkar Laxman Mhadgut	SE	Omkar	Omkar	Omkar
36		Ritesh Gole	SE	Ritesh	Ritesh	Ritesh
37	83	Rutik shrikant Wadnerkar	SE	Rutik	Rutik	Rutik
38	75	Utpalkant Sahu	SE	Utpal	Utpal	Utpal
39	73	Kalpesh Vijay Toraskar	SE	Kalpesh	Kalpesh	Kalpesh
40	65	Koithodathu Godson Abraha	SE			
41	54	vaibhavi patil	TE	Rahi		
42		Suprobaha Chowdhury	BE			
43		Shipra Dorlikar	TE	A	A	A
44		Tejas Patil	TE	Tejas	Tejas	Tejas
45		Gaurav Gavade	BE	Gaurav	Gaurav	Gaurav
46		Tanmay Vetal	SE	Tanmay	Tanmay	Tanmay
47		Pratik Chandurkar	BE	A	A	A
48		Hemant Kakde	BE	A	A	A
49		Ashwini Shitole	BE	Ashwini	Ashwini	Ashwini

(42) Out of (49) (7) ⇒ absent

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING ,LAVALE,PUNE

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Day (5)

WORKSHOP ON INDUSTRIAL IOT AND AI

Attendance sheet **Date:** 26-09-19

Sr. No.	PC No.	NAME OF STUDENT	CLASS	SESSION 1	SESSION 2	SESSION 3
1		Sharwari Bhosale	SE			
2		Manas nil8	SE			
3		Jaiswal Saurabh Basantlal	T.E			
4		Amey Raghatate	T.E			
5		Nayan Vyas	TE			
6		Rushi Khandetod	SE			
7		Abhishek Kumar Yadav	S.E			
8		Md Maaz	SE			
9		Hrutwik Jiddewar	Se			
10		Akshay Ankush Walunj	DSE			
11		Rahul Shaha	BE			
12		Nikita chavhan	Be			
13		Kartikey Vaish	BE	A	A	A
14		Ayush Shukla	B.E		A	A
15		Kunjan Kanse Devesh Talwar	BE			
16		Chandrakant Desai	Te			
17		Priyanka Firke	SE			
18	52	Kajal raut	SE			
19		Harshal Kolhe	BE			
20		Nehal Sanjay Gajbhiye	TE			
21		Sujal Golar	TE	A		
22		Himanshu Pardeshi	TE			
23		Jay Panari	TE			
24	53	Pranita sawant	TE			
25		Rohit Ramdas Kumbhar	BE			
26	86	Megha tamrakar	SE			
27		Mrunal Uday battise	TE			
28		Atharva wanjari	S.E.			
29		Rahul Lokesh Chavan	TE			
30		Mayuri Wagh	Be	A	A	A
31		Paritosh Pal	SE			
32		Prashant Dilip Shaha	B.E.			
33	81	Akash watgure	SE			
34	84	Ajinkya wadbude	SE			
35	76	Omkar Laxman Mhadgut	SE			
36		Ritesh Gole	SE			
37	83	Rutik shrikant Wadnerkar	SE			
38		Utpalkant Sahu	SE			
39		Kalpesh Vijay Toraskar	SE			
40	66	Koithodathu Godson Abraha	SE			
41	54	vaibhavi patil	TE			
42		Suprobaha Chowdhury	BE			
43		Shipra Dorlikar	TE			
44	47	Tejas Patil	TE			
45		Gaurav Gavade	BE			
46		Tanmay Vetal	SE			
47		Prathik Chandrakar	BE	A	A	A
48		Hemant kakde	BE	A	A	A
49		Ashwini Shitole	BE	A	A	A

(2) absent

(47) out of (49)

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING ,LAVALE,PUNE

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Day (5)

WORKSHOP ON INDUSTRIAL IOT AND AI

Attendance sheet Date: 27-09-19

Sr. No.	PC No.	NAME OF STUDENT	CLASS	SESSION 1	SESSION 2	SESSION 3
1		Sharwari Bhosale	SE			
2		Manas nil8	SE			
3		Jaiswal Saurabh Basantlal	T.E			
4		Amey Raghatate	T.E			
5		Nayan Vyas	TE			
6		Rushi Khandetod	SE			
7		Abhishek Kumar Yadav	S.E			
8		Md Maaz	SE			
9		Hrutwik Jiddewar	Se			
10		Akshay Ankush Walunj	DSE			
11		Rahul Shaha	BE			
12		Nikita chavhan	Be			
13		Kartikey Vaish	BE			
14		Ayush Shukla	B.E			
15		Kunjan Kanse Devesh Talwar	BE			
16		Chandrakant Desai.	Te			
17		Priyanka Firke	SE			
18		Kajal raut	SE			
19		Harshal Kolhe	BE			
20		Nehal Sanjay Gajbhiye	TE			
21		Sujal Golar	TE			
22		Himanshu Pardeshi	TE			
23		Jay Panari	TE			
24		Pranita sawant	TE			
25		Rohit Ramdas Kumbhar	BE			
26		Megha tamrakar	SE			
27		Mrunal Uday battise	TE			
28		Atharva wanjari	S.E.			
29		Rahul Lokesh Chavan	TE			
30		Mayuri Wagh	Be			
31		Paritosh Pal	SE			
32		Prashant Dilip Shaha	B.E.			
33		Akash watgure	SE			
34		Ajinkya wadbude	SE			
35		Omkar Laxman Mhadgut	SE			
36		Ritesh Gole	SE			
37		Rutik shrikant Wadnerkar	SE			
38		Utpalkant Sahu	SE			
39		Kalpesh Vijay Toraskar	SE			
40		Koithodathu Godson Abraha	SE			
41		vaibhavi patil	TE			
42		Suprobaha Chowdhury	BE			
43		Shipra Dorlikar	TE			
44		Tejas Patil	TE			
45		Gaurav Gavade	BE			
46		Tanmay Vetal	SE			
47		Pratik Chandurkar	BE			
48		Hemant kakde	BE			
49		Ashwini Shitde	BE			

Bharati Vidyapeeth's

COLLEGE OF ENGINEERING

Lavale,Pune-412115

(Accredited by NAAC , Affiliated to SPPU, Approved by A.I.C.T.E., New Delhi)

Department of Electronics and Telecommunication Engineering

Certificate

This is to certify that

Kuprakasha Chowdhury

has successfully completed Five days workshop on

"Industrial IoT and Artificial Intelligence",

organized by **Bharati Vidyapeeth College of Engineering, Lavale, Pune**

in association with **Innovura Academy, Pune** from 23rd Sept 19 to 27th Sept 2019.

Kalpana Kothawade Director Innovura Academy, Pune	**Prof. A.B. Wani** HOD Department of Electronics and Telecommunication Engineering	**Dr. R.N. Patil** Principal BVCOEL, Pune

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's College of Engineering, Lavale, Pune - 412 115

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEEERING, LAVALE, PUNE 412 115.
Recognized by AICTE, New Delhi

Founder:
& DTE Mumbai.
Dr. PatangraoKadam*Affiliated to SavitribaiPhule Pune University.*
M.A., L.L.B., Ph.D.

Report on Cultural Event 2021-2022

In order to search the hidden talent among the students, cultural platform is one of the best way to express themselves. Various Cultural Activities, Technical and Non Technical events were organized during the academic year 2021-22. All events were successfully organized and celebrated under the guidance of Principal Sir and with the cooperation of all students of the College and Cultural Committee.

List Events Organized:-

- Technical Events
  - Engineering Dokyality
  - Poster Presentation
- Non Technical Events
  - Chess Competition
  - Treasure Hunt
  - Photography
  - Dare a minute
- Cultural
  - Traditional Day
  - Dance
  - Singing
  - Alumni Meet
  - Poetry
  - Beat Boxing
  - Fashion Show
- Sports
  - Cricket
  - Volleyball

The above mention events were carried out successfully with the hard work done by all the committee members (Teaching, Non Teaching Staff & Students) and volunteers. In alumni meet 46 students were present. In Cultural activity, above 160 students participated in various events. The number of volunteers for the program was above 100 to make the program succcssful

Details are given as follows.

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING
LAVALE, PUNE – 431 003

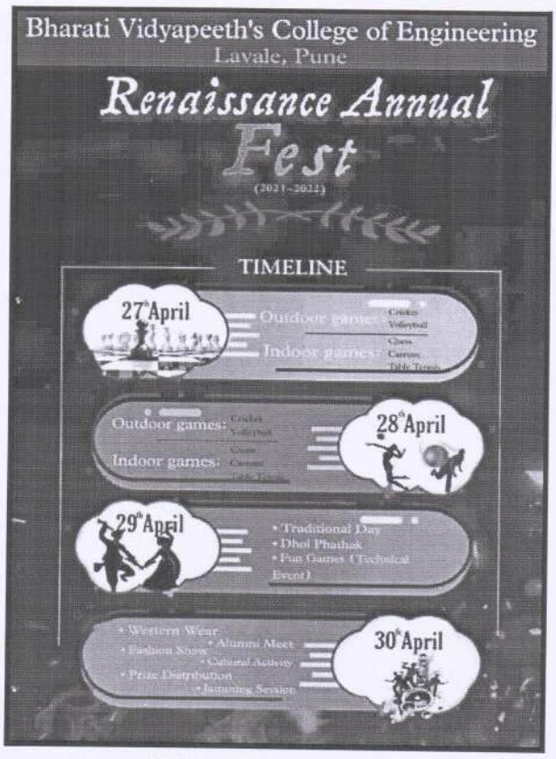
Alumni meet and Culyural event 2021-22

Co-ordinator List

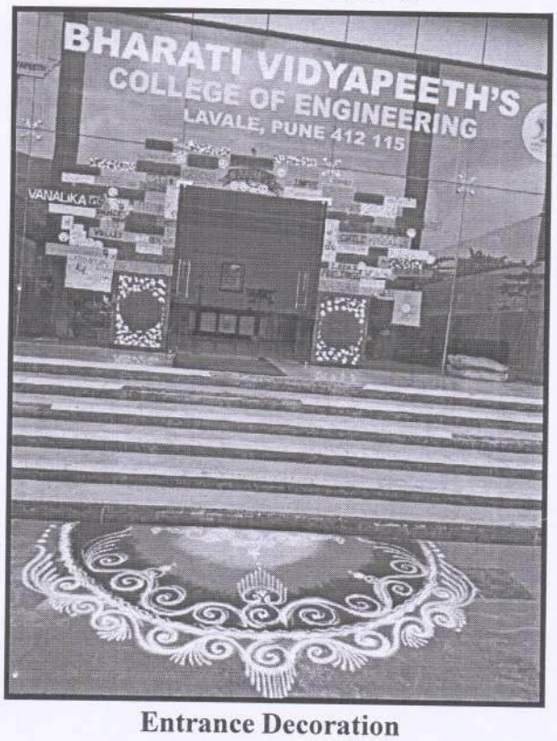
DEPARTMENT	FACULTY CO-ORDINATOR	STUDENT CO-ORDINATOR	NO. OF VOLUNTEER
Discipline	1. Prof. Dev Mokashi 2. Prof. Santosh Hasarmani 3. Prof. Pramod Rahate 4. Prof. Yogesh Kadam 5. Prof. Neeraj Gangurde 6. Prof. Ajit Patil	1. Abhishek Hanumant Patil 2. Nihal Tonpe 3. Hritik Jiddewar 4. Himanshu Dethe 5. Adarsh Gaikwad 6. Om 7. Saurabh Babasaheb Gaikwad	50
Decoration	1. Prof. Dr. Shikha Baradwaj 2. Prof. Leena Chaudhari	1. Sandesh Zore 2. Anirudh Patil 3. Saurabh Babasaheb Gaikwad 4. Aman Mogare 5. Reshu Singh	20
Cultural	1. Prof. Pradeep Atre 2. Prof. Sanket Pawar 3. Prof. Nilesh Singh 4. Prof. Avinash Datarkar 5. Prof. Prajakta Pawar 6. Prof. Jyoti Dhanake	1. Himanshu Dethe 2. Manoj Naikwadi 3. Anish Jadhav 4. Godson Koithodathu 5. Vaishnavi Maudhalkar 6. Soumya Nagarale	30
Sport	1. Prof. Dr. Uday Patil	1. Abhishek Hanumant Patil 2. Ishwari Shinde 3. Pushkaraj Vernekar 4. Manish Somwanshi	10
Day Co-ordinator	1. Prof. Atish Mane 2. Prof. Swati Gavhale	1. Anish Jadhav 2. Manoj Naikwadi 3. Saurabh Gaikwad 4. Sakshi Shinde 5. Muskan Kumari	10

Technical	1. Prof. Avinash Datarkar 2. Prof. Pramod Rahate	1. Nihal Tonpe 2. Himanshu Dethe 3. Saurabh Babasaheb Gaikwad	3
Alumni	1. Prof. Ajay Katkar 2. Prof. Lalita Wani 3. Prof. Pranita Chate 4. Prof. Swapnil Mane 5. Prof. Nilesh Raut	1. Huzaif Mujawar	5
Stall	1. Prof. Yogesh Kadam 2. Prof. Avinash Ingole	1. Abhishek Hanumant Patil 2. Anish Jadhav 3. Sandesh Zore	5
Media	1. Prof. Avinash Ingole 2. Prof. Lalita Wani 3. Prof. Jyoti Dhanake	1. Anirudh Patil	5

Photo Gallery of Event
Celebration of various days



Schedule For Events



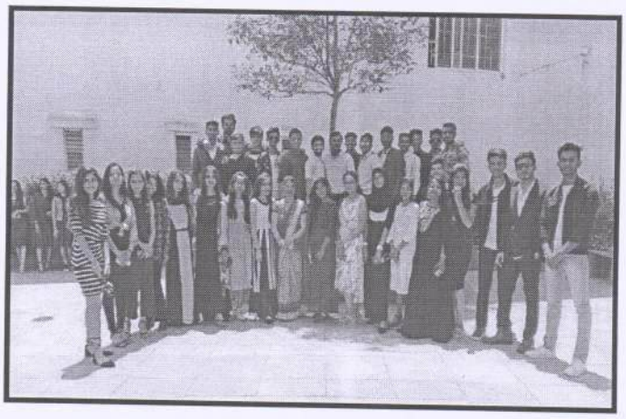
Entrance Decoration



Traditional Day



Saree Day

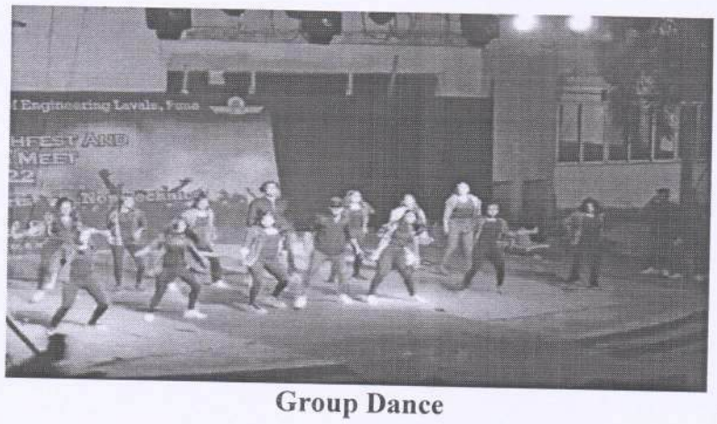


Western Day

Photo Gallery of Event
Celebration of various days



Event Main Poster



Group Dance



Duet Dance

(Adsule P. P.)
(Cultural Co-ordinator)

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Invoice No	TI-S-11190
Date	31-12-2022
Sales Order No.	SO-10819
Sales Order Date	25-12-2022
E-Way Bill No	32 6209 3544 40

Prod_Code	Ref_Code	Product Description	Brand	HSN	Qty	Act Rate	Dis %	Discount	Rate	Amount
T29973	None	AiO Computer (ADPM) 189.3cm (75") IFPD A11 - V1 (3 Year Warranty)	Trueview	84714190	4	₹92344.00	0.0%	₹0.00	₹92344.00	₹369376.00
T29996	None	OPS - Core i5 11th Gen / 8GB / 256GB SSD + 1TB SATA HDD	Trueview	84713010	4	₹25300.00	0.0%	₹0.00	₹26300.00	₹105200.00

HSN/SAC	Qty	Taxable Amount	CGST	SGST
84714190	4	₹ 3,69,376.00	(9.0%) ₹ 33,243.84	(9.0%) ₹ 33,243.84
84713010	4	₹ 1,05,200.00	(9.0%) ₹ 9,468.00	(9.0%) ₹ 9,468.00

Total:	₹474576.00
Freight Charges:	₹0.00
CGST:	₹42711.84
SGST:	₹42711.84
Net Payable:	₹559999.68
Round Off:	₹560000.00

Amount In Words: INR Five Lakh, Sixty Thousand only.
Total Qty: 8.0
Gross Consignment Weight: 264.0 KG

For Warner Electronics (I) Pvt. Ltd.

Authorised Signatory

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5) Interest will be charged 24 % if the bill is not paid by due date
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Pune-411 043

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Pune
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India

Estimate# VM23035
Estimate Date 28/06/2023

Place Of Supply: Maharashtra (27)

#	Item	Description	HSN/SAC	Amount
1	India's Unique Integrated OBE-Accreditation, Academic Management, and Office Automation Software	Due invoice as per details against the PO number BV/Purchase/16742 /2022-23	998319	2,17,000.00

Sub Total (Tax Inclusive)	2,17,000.00
CGST9 (9%)	16,550.85
SGST9 (9%)	16,550.85
Total	**₹2,17,000.00**

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411044
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Inward No. 16
Date 07/07/2023
Sign

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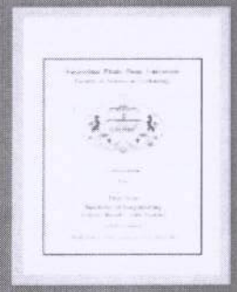
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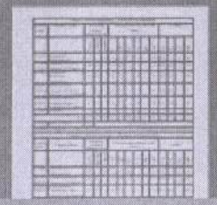
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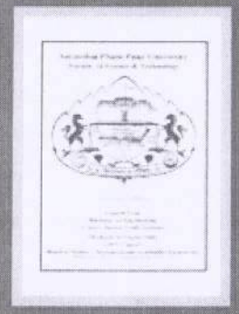
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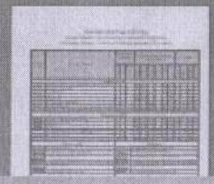
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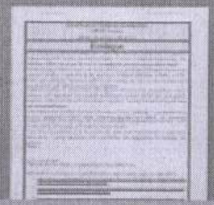
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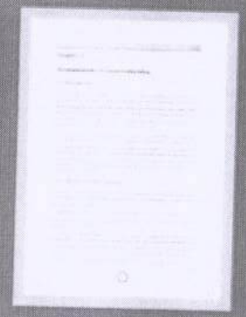
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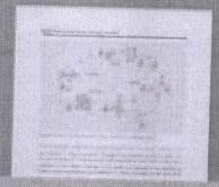
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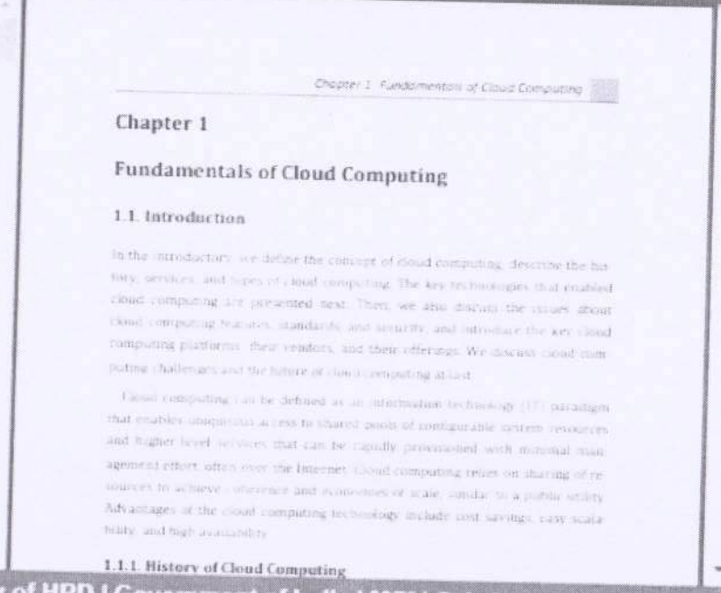
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1





Chapter 1. Fundamentals of Cloud Computing

Chapter 1

Fundamentals of Cloud Computing

1.1. Introduction

In the introductory, we define the concept of cloud computing, describe the history, services, and types of cloud computing. The key technologies that enabled cloud computing are presented next. Then, we also discuss the issues about cloud computing features, standards, and security, and introduce the key cloud computing platforms, their vendors, and their offerings. We discuss cloud computing challenges and the future of cloud computing at last.

Cloud computing can be defined as an information technology (IT) paradigm that enables ubiquitous access to shared pools of configurable system resources and higher-level services that can be rapidly provisioned with minimal management effort, often over the Internet. Cloud computing relies on sharing of resources to achieve coherence and economies of scale, similar to a public utility. Advantages of the cloud computing technology include cost savings, easy scalability, and high availability.

1.1.1. History of Cloud Computing

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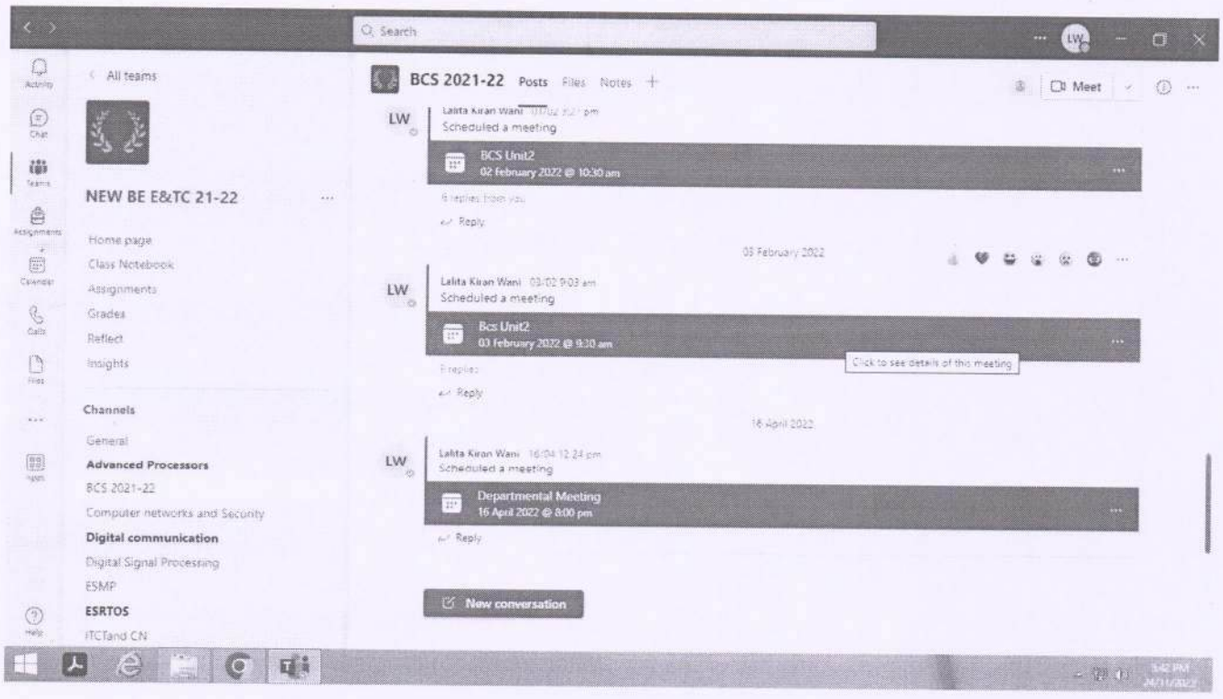
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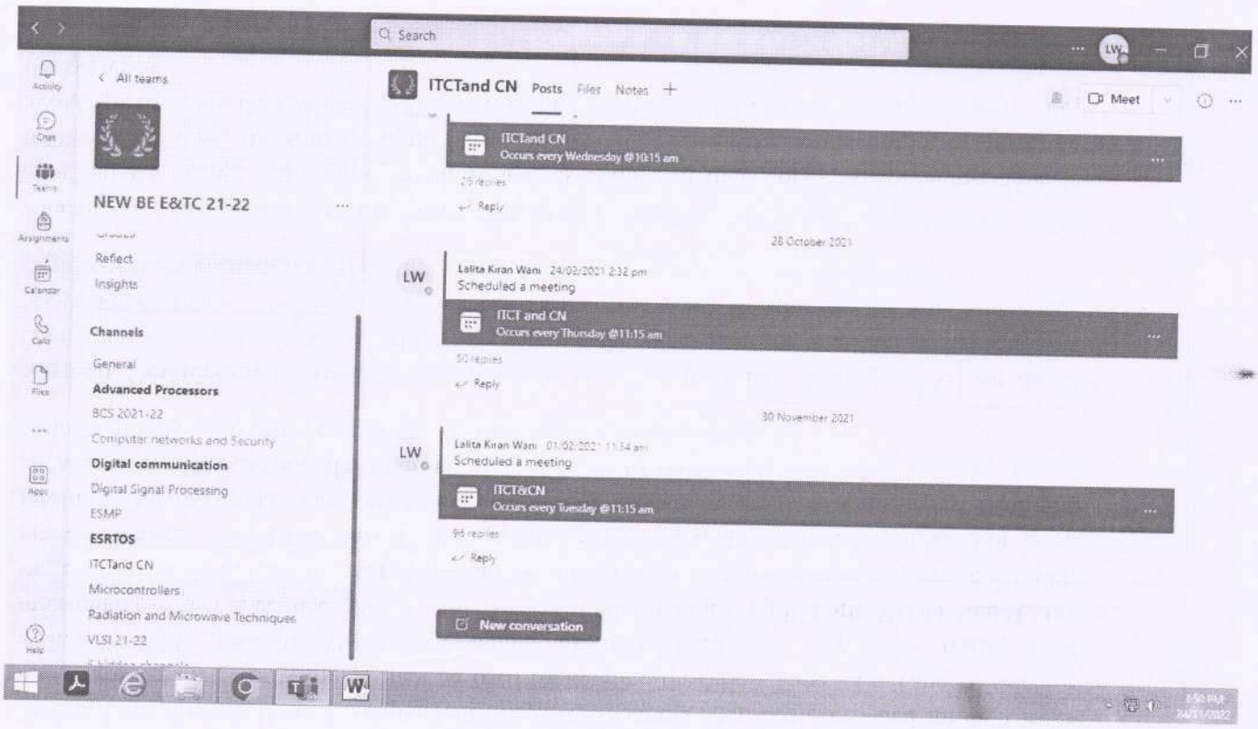
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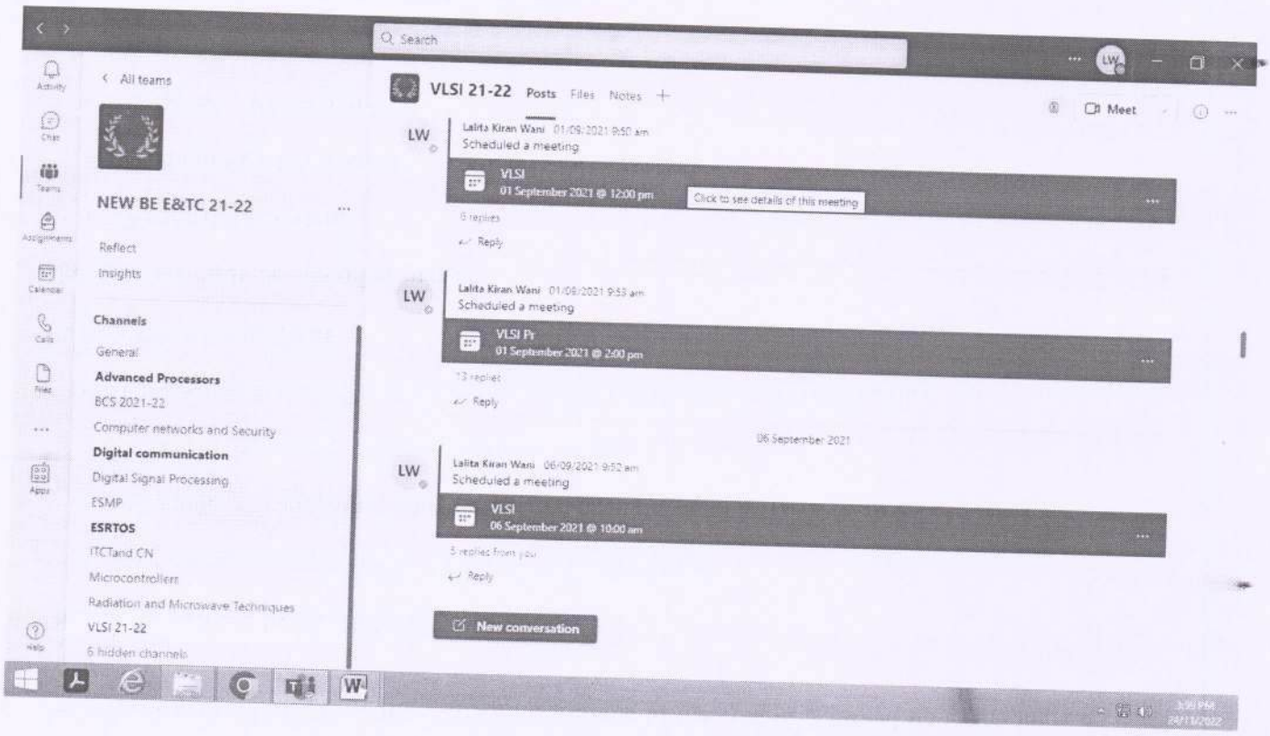
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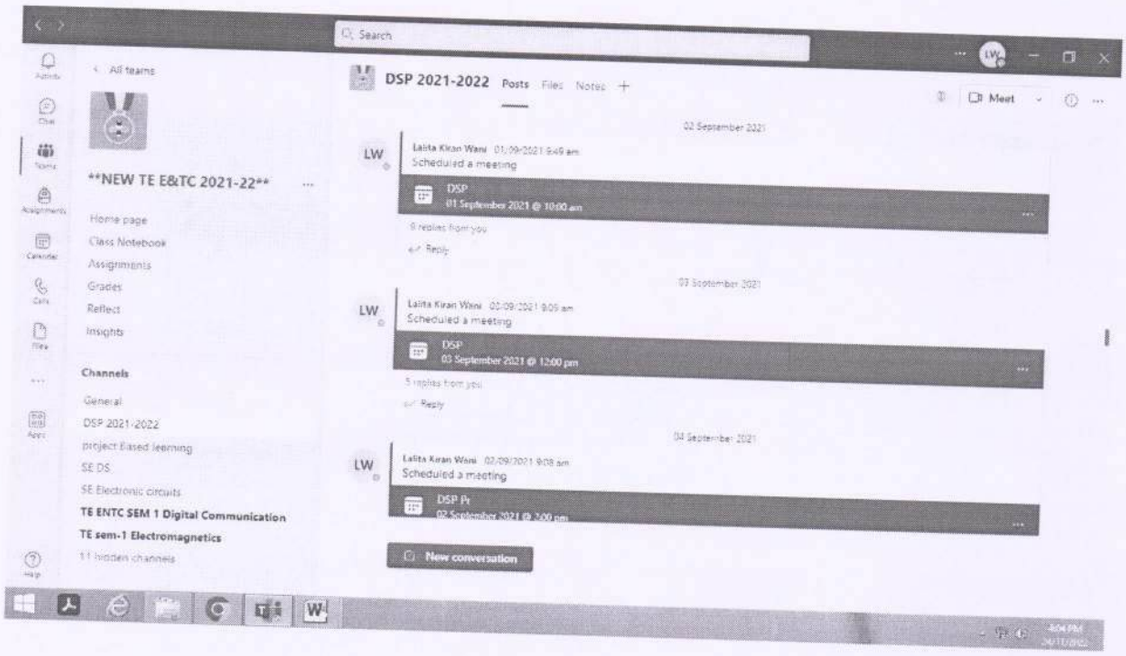
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DIGITAL ELECTRONIC CIRCUITS

Analysis and Synthesis of Arithmetic Expressions using Adders/Subtractors

INTRODUCTION THEORY OBJECTIVE PROCEDURE SIMULATOR QUIZZES REFERENCE

Introduction

About the Experiment

This experiment enables a student to learn

- How to realize the functionality of IC 7483, a 4 bit binary full adder
- How to realize the functionality of 8 bit full adder by carcading two 7483 chips(two 4 bit full adder)
- how to implement a 4 bit adder/substractor.

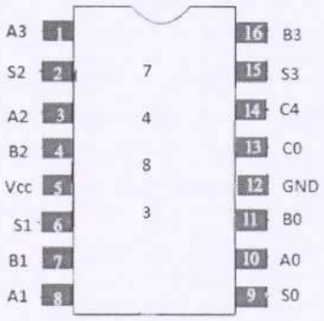
Analysis and Synthesis of Arithmetic Expressions using Adders/Subtractors

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Theory

Part I

IC 7483 is 4-bit binary full adder which accepts two 4-bit binary words $A_3A_2A_1A_0$ and $B_3B_2B_1B_0$ and a carry input (C_0) as inputs and produces a 4-bit binary sum output $S_3S_2S_1S_0$ and a carry output C_4.



The students of virtual DEC Laboratory can verify the functionality of the 7483 chip.Although in principle,there can be 2^9=512 input paterns possible,the students can verify all zero,all one and some other patterns.

Part II

Cascading of two 7483 chips to achieve addition of two 8-bit numbers A = $A_8A_7A_6A_5A_4A_3A_2A_1$ and B = $B_8B_7B_6B_5B_4B_3B_2B_1$ to produce Sum = $S_8S_7S_6S_5S_4S_3S_2S_1$ and carry output C_9 of the 2^{17} input patterns possible , the students can test the 8bit adder for all zeros , all ones and some other input patterns.

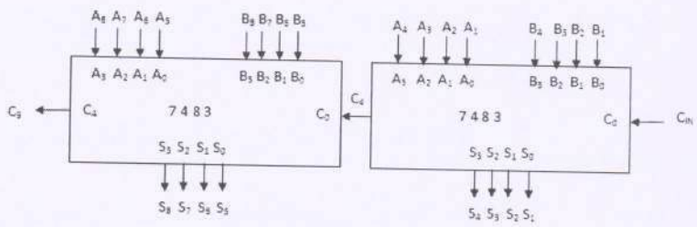


Figure 2

Part III

To implement a 4 bit adder/subtractor using 2's complement number system.Students learnt the use of 7486 (qued 2-input Ex-OR gates)in experiment 3.Using a 7483(parallel adder) and a 7486 chip one can realize 4 bit adder/subtractor.If ADD/SUB = "0" normal addition S = A + B performed.On the other hand if ADD/SUB = "1" then S = A + [B] + 1 where [B] = 1's complement of B. For example,if A = 0111(7) and B = 0101(5) then [B] = 1010 and S = 0010 or 2 neglecting carry out C_4.If however A = 0101(5) and B = 0111(7) then B = 1000; or S = 1110 which represents -2 in 2's complement number system.

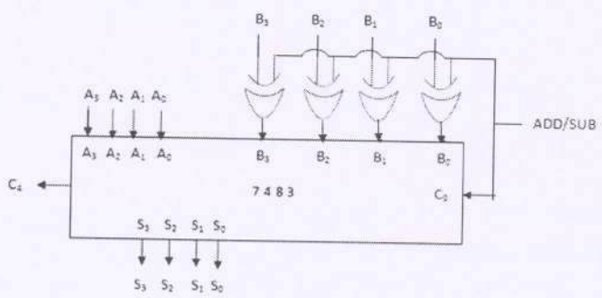


Figure 3

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DIGITAL ELECTRONIC CIRCUITS

Analysis and Synthesis of Arithmetic Expressions using Adders/Subtractors

INTRODUCTION THEORY OBJECTIVE PROCEDURE SIMULATOR QUIZZES REFERENCE

Objective

Aim of the Experiment

The objective of part 1 of the experiment is to fully understand the functionality of 4 bit binary full adder.
The objective of part 2 of the experiment is to fully understand the functionality of 8 bit full adder by carcading to 7483 chips(two 4 bit full adder).
The objective of part 3 of the experiment is to fully understand the functiponality and implementation of 4 bit adder/subtractor.

Virtual Labs

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DIGITAL ELECTRONIC CIRCUITS

Home > Digital Electronic Circuits > Analysis and Synthesis of Arithmetic Expressions using Adders/Subtractors

Analysis and Synthesis of Arithmetic Expressions using Adders/Subtractors


INTRODUCTION


THEORY


OBJECTIVE


PROCEDURE


SIMULATOR


QUIZZES


REFERENCE

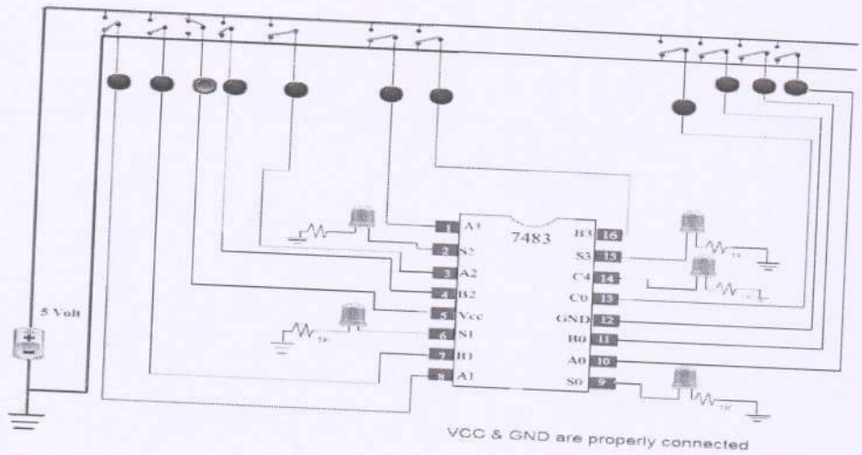
Procedure

Please follow these steps to do the experiment.

Please follow these steps to do the experiment(Part-I)

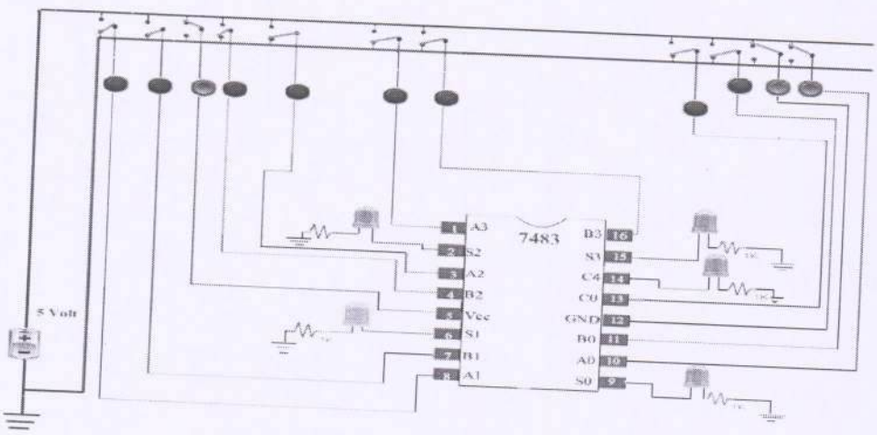
1. At first click on the V_{cc} switch that means V_{cc} = 1 and GND = 0 , show message Vcc & GND properly connected.

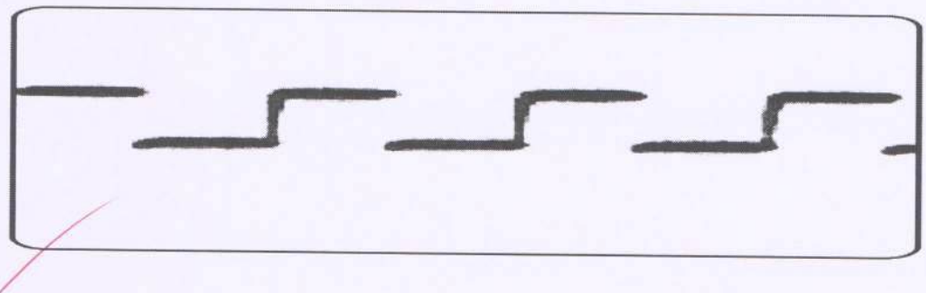
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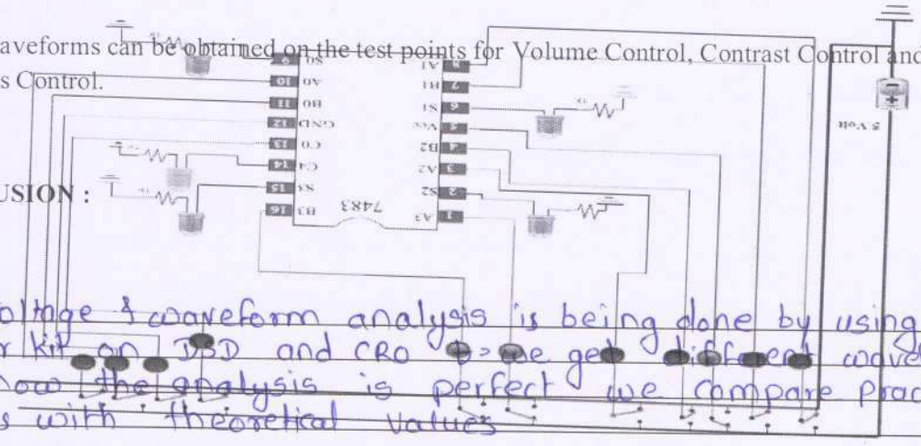
VCC & GND are properly connected

2. Next, $A_0 = 1$, $A_1 = 0$, $A_2 = 0$, $A_3 = 0$ and $B_0 = 1$, $B_1 = 0$, $B_2 = 0$, $B_3 = 0$ now you can see the output result of $S_0 = 0$, $S_1 = 1$, $S_2 = 0$, $S_3 = 0$ and $C_4 = 0$.



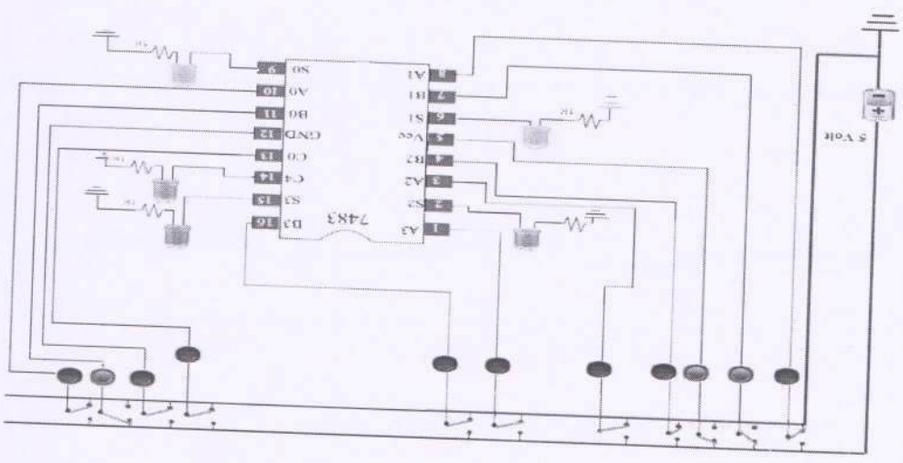


Similar waveforms can be obtained on the test points for Volume Control, Contrast Control and Brightness Control.



CONCLUSION :

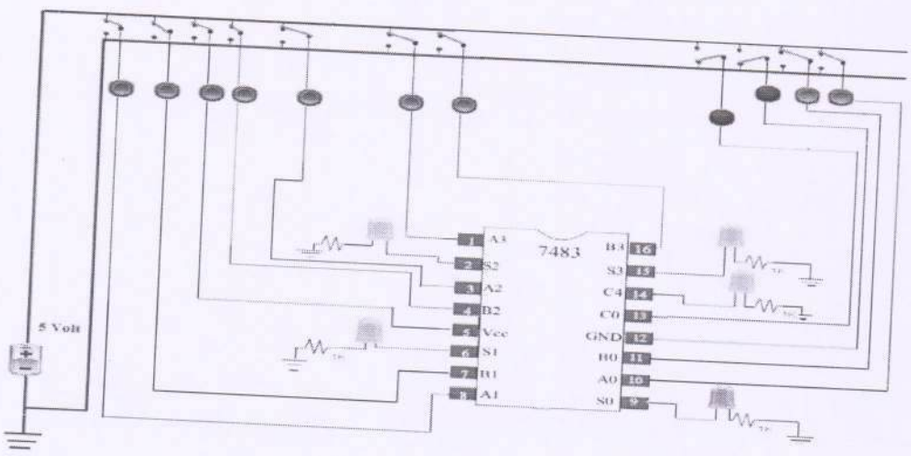
The voltage & waveform analysis is being done by using colour kit on DSD and CRO we get different waveform in know the analysis is perfect we compare practical values with theoretical values



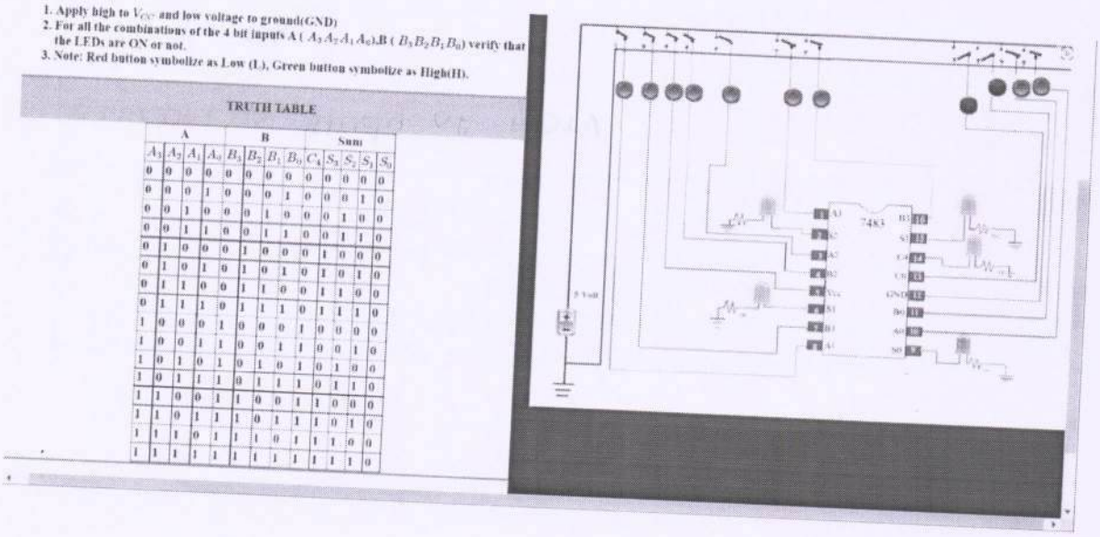
4. Next, $A_0 = 0$, $A_1 = 0$, $A_2 = 0$, $A_3 = 1$ and $B_0 = 0$, $B_1 = 0$, $B_2 = 0$, $B_3 = 1$ now you can see the output result of $S_0 = 0$, $S_1 = 0$, $S_2 = 0$, $S_3 = 0$ and $C_4 = 1$.

1, $S_1 = 1$, $S_2 = 0$, $S_3 = 0$ and $C_4 = 0$.

5. Next, $A_0 = 1$, $A_1 = 1$, $A_2 = 1$, $A_3 = 1$ and $B_0 = 1$, $B_1 = 1$, $B_2 = 1$, $B_3 = 1$ now you can see the output result of $S_0 = 0$, $S_1 = 1$, $S_2 = 1$, $S_3 = 1$ and $C_4 = 1$.



OUTPUT:- PART 1



1. Apply high to V_{CC} and low voltage to ground(GND)
2. For all the combinations of the 4 bit inputs A ($A_3A_2A_1A_0$),B ($B_3B_2B_1B_0$) verify that the LEDs are ON or not.
3. Note: Red button symbolize as Low (L), Green button symbolize as High(H).

TRUTH TABLE

A				B				Sum			
A_3	A_2	A_1	A_0	B_3	B_2	B_1	B_0	C_4	S_3	S_2	S_1	S_0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	1	0	0	0	1	0
0	0	1	0	0	0	1	0	0	0	1	0	0
0	0	1	1	0	0	1	1	0	0	1	1	0
0	1	0	0	0	1	0	0	0	1	0	0	0
0	1	0	1	0	1	0	1	0	1	0	1	0
0	1	1	0	0	1	1	0	0	1	1	0	0
0	1	1	1	0	1	1	1	0	1	1	1	0
1	0	0	0	1	0	0	0	1	0	0	0	0
1	0	0	1	1	0	0	1	1	0	0	1	0
1	0	1	0	1	0	1	0	1	0	1	0	0
1	0	1	1	1	0	1	1	1	0	1	1	0
1	1	0	0	1	1	0	0	1	1	0	0	0
1	1	0	1	1	1	0	1	1	1	0	1	0
1	1	1	0	1	1	1	0	1	1	1	0	0
1	1	1	1	1	1	1	1	1	1	1	1	0

Subject – Power Electronics. (2015 Pat)

Assignment on CO1

1. Draw & explain the V – I characteristics of SCR.
2. Explain with diagram the construction & operation of Power MOSFET.
3. Describe the constructional details of IGBT & explain its operation. Draw the characteristics & mention its applications.
4. Explain the Transistor – Transistor analogy of an SCR.
5. Draw & explain the turn on characteristics of an SCR.

Assignment on CO2

1. Draw the power circuitry for a single phase half controlled converter & explain its operation with relevant waveforms. Derive the expression for average load voltage assuming continuous current operation.
2. Describe the working of 3 ϕ fully controlled bridge converter in the Rectifying mode and inversion mode. And derive the expressions for average output voltage and rms output voltage.
3. Describe the principle of step-up chopper. Derive an expression for the average output voltage in terms of input dc voltage & duty cycle.
4. Explain the operation of 3 ϕ bridge inverter for 180 degree mode of operation with aid of relevant phase and line voltage waveforms.
5. What are the different methods of firing circuits for line commutated converter?

Assignment on CO3

1. Explain the operation of multistage control of AC voltage controllers with neat diagram.
2. Explain ON-line and OFF line UPS
3. Draw the LED Lamp with Driver Circuit
4. Explain Single phase separately excited DC motor drive, stepper motor drive, BLDC motor drive.
5. Explain Variable voltage & variable frequency three phase induction motor drive.

Assignment on CO4

1. Explain the need for Resonant converters
2. Explain the Concept of Zero current switching (ZCS) and Zero voltage switching (ZVS) resonant converters.
3. Explain over voltage protection circuits
4. Explain over voltage protection circuits
5. Explain electromagnetic interference, sources, minimizing techniques, shielding techniques for EMI

Subject Coordinator
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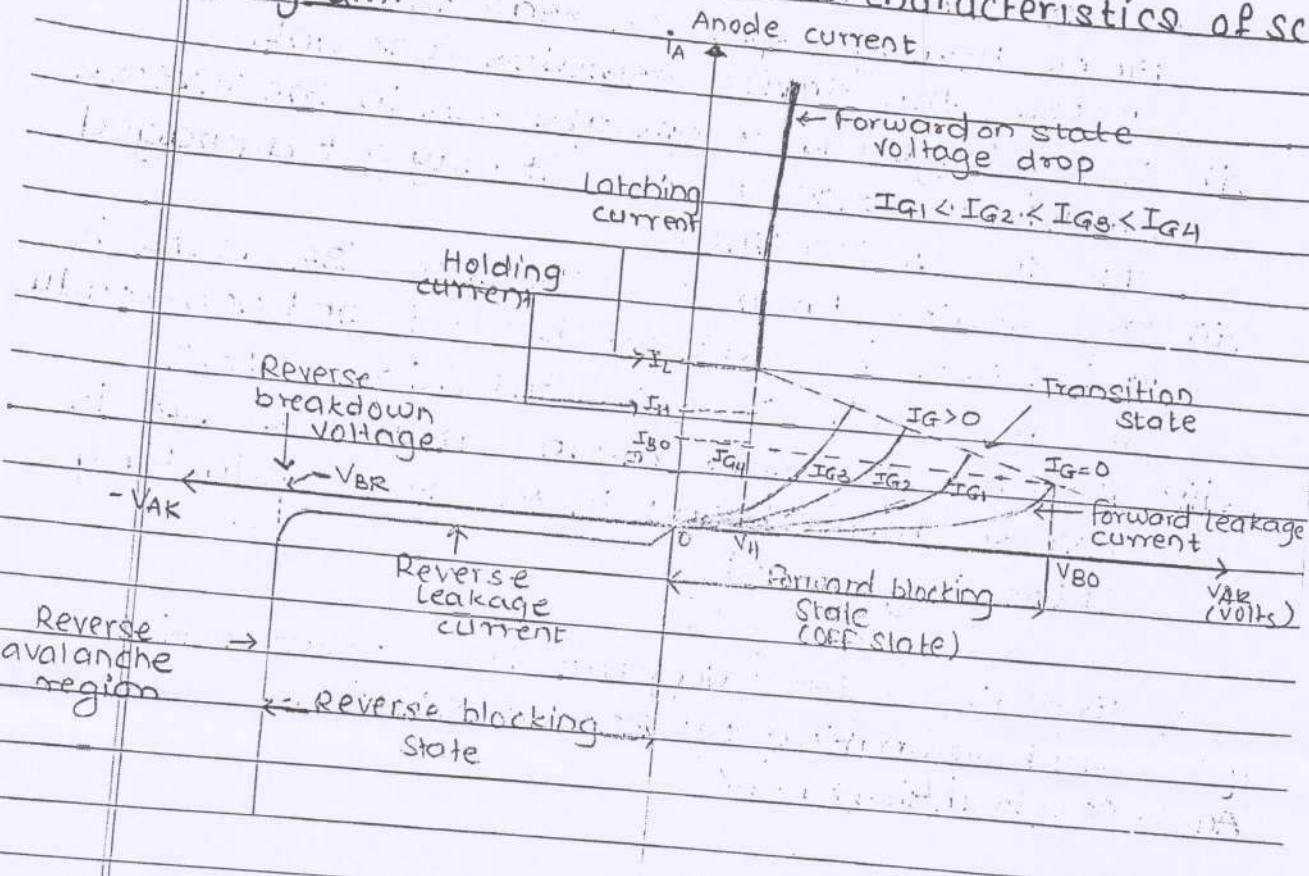
PE Assignment.

PAGE No. 1
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Assignment 1.

1) Draw and explain the V-I characteristics of SCR.

Ans: A) Diagram:



B) Explaination:

i) The V-I characteristics of SCR is a graph of anode current (i_A) on Y-axis and anode to cathode voltage plotted on the x-axis.

ii) The V-I characteristics can be split into two parts namely the forward characteristics & reversed characteristics.

iii) The characteristics in the reverse direction (anode to cathode voltage negative) is similar to a reverse biased diode.

iv) For small reverse voltage a small reverse leakage current flows until the avalanche break

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down takes place at reverse breakover voltage V_{BR}

v) As soon as the reverse breakdown takes place due to avalanche breakdown, a large current flows through SCR whereas the voltage across the device remains constant.

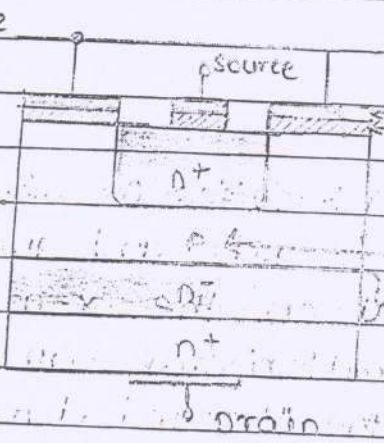
vi) It is dangerous to operate SCR in the reverse breakdown state because it may get damaged due to overloading.

vii) The region from 0 volts upto V_{BR} volts in which SCR is reversed biased and non-conducti is called as "reverse blocking state".

viii) Reverse blocking means that the SCR is reverse biased and in the non-conducting (blocking state).

2) Explain with diagram the construction and operation of power MOSFET.

Ans:) construction:



a) The power MOSFETs are generally enhancemen type. In order to increase the voltage rating of enhancement MOSFET, a drift layer is includ

b) The power MOSFET has the vertically oriented four layer structure of alternate p & n layer

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c) The vertically oriented structure is used to minimize the area of current flow.

d) This reduces the on-state resistance and therefore on-state loss are also reduced.

e) The p-type middle layer is termed as "body". The n-type layer is "drift region" and it is ~~highly~~ lightly doped as compared to the drain & source layers. This drift region determines the breakdown voltage of the power MOSFET.

2) Operation: The operation of power MOSFETs can be divided into 2 parts ① formation of depletion region ② Creation of inversion layer.

i) Formation of depletion region:

a) The MOSFET is forward biased by connecting a positive voltage to its drain terminal with respect to source terminal and the gate is made positive with respect to the body layer.

b) The "p" layer consists of a large number of holes and few electrons.

c) The holes are majority carriers

d) Hence they outnumber the electrons which are minority carriers, still the number of electrons present in the "p" layer is sufficiently large.

e) Due to positive voltage applied between gate and body, these electrons are attracted towards the gate & gather below the SiO_2 layer and produce depletion layer by combining with the holes that are present there.

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2) Creation of inversion layer:

i) If the positive gate voltage is increased further, the no. of electrons below SiO_2 layer will be greater than the no. of holes.

ii) Thus the conductivity of the part of P-layer close to SiO_2 layer will change from positive to negative.

iii) That means an n-type of sub-layer is formed below the SiO_2 layer.

iv) This process is known as creation of the inversion layer, and the process of generation of an inversion layer due to the externally applied gate voltage is known as the "Field effect".

v) The inversion layer is also called as the induced channel. This induced channel will connect the two n^+ layers on either side of the P-region.

vi) In this way now the n-type channel gets created in the P-type body layer and conduction take place through this layer.

vii) The resistance of the induced channel is dependent on the magnitude of gate to base (body) voltage. Higher the gate voltage less is resistance.

viii) The MOSFET acts as a variable resistor.

ix) With increase in the gate to body voltage, the resistance will decrease.

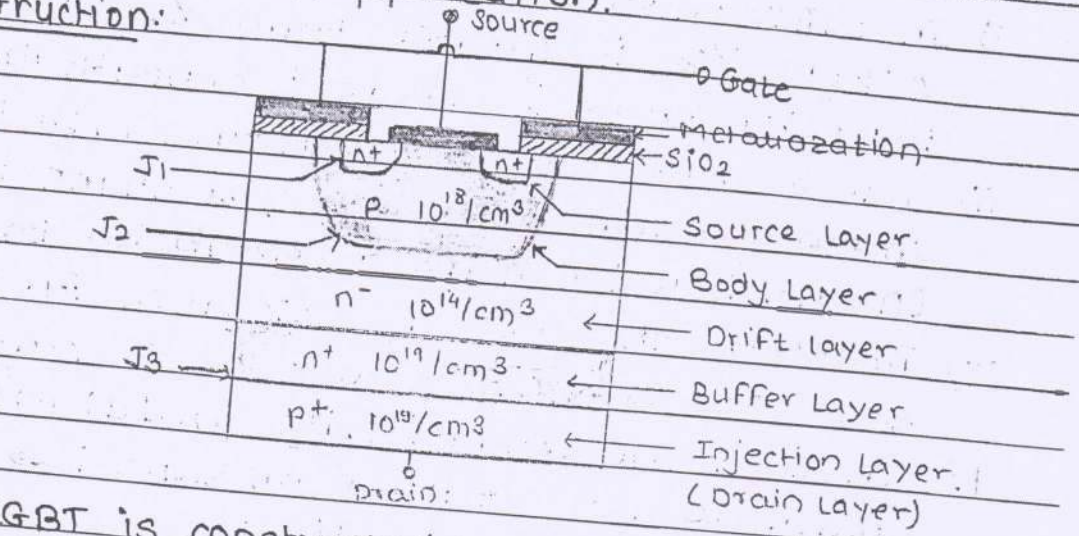
x) However this resistance cannot decrease below a certain minimum value, even with increase in the gate to body voltage.

xi) If the maximum specified value of gate voltage is exceeded then the SiO_2 layer will breakdown.

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8) Describe the constructional details of IGBT & explain it's operation. Draw the characteristics & mention its application.

Ans: a) Construction:



1) An IGBT is constructed on a p^+ layer substrate a high resistivity n-layer is epitaxially grown.
2) As in other semi-conductor devices, the thickness of n-layer determines the voltage blocking capability of IGBT.
3) On the other side of p^+ substrate, a metal layer is deposited to form the collector (C) terminal.
4) Now p regions are diffused in the epitaxially grown n-layer. Further n^+ regions are diffused in p region
5) An insulating layer of Silicon Dioxide (SiO_2) is grown on the surface.
6) This insulating layer is etched in order to embed metallic Emitter and Gate terminals.
7) The p^+ substrate is also called Injection layer because it injects holes into n-layer.
8) The n-layer is called drift region. The next p layer is called the body of IGBT. The n-layer in between the p^+ & p region serve to accomodate the depletion of layer of pn-junction i.e J_2.

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b) Operation: The operation can be divided into two parts

① Creation of inversion layer:-

i) In IGBTs also when the positive gate to source voltage V_{GS} is greater than V_{GS} (threshold), n-type inversion layer is created beneath the SiO_2.

ii) Due to the formation of n-type induction layer in the p-type body layer, a channel is formed ($n^+ n n^-$) which helps to establish the electron current.

iii) Therefore the on-state resistance $R_{DS}(on)$ & the hence the on-state power loss is very high MOSFET.

iv) In IGBT the conducitivity modulation takes place which reduces on state loss.

② Conductionxity modulation:

i) Conducitivity modulation takes place of the n^- drift layer takes place.

ii) Due to application of forward voltage between drain (collector) & source (emitter) the junction J_3 is forward biased. Due to the creation of inversion layer, electrons from the source are injected into the n^- drift layer via the $n^+ p n^-$ channel.

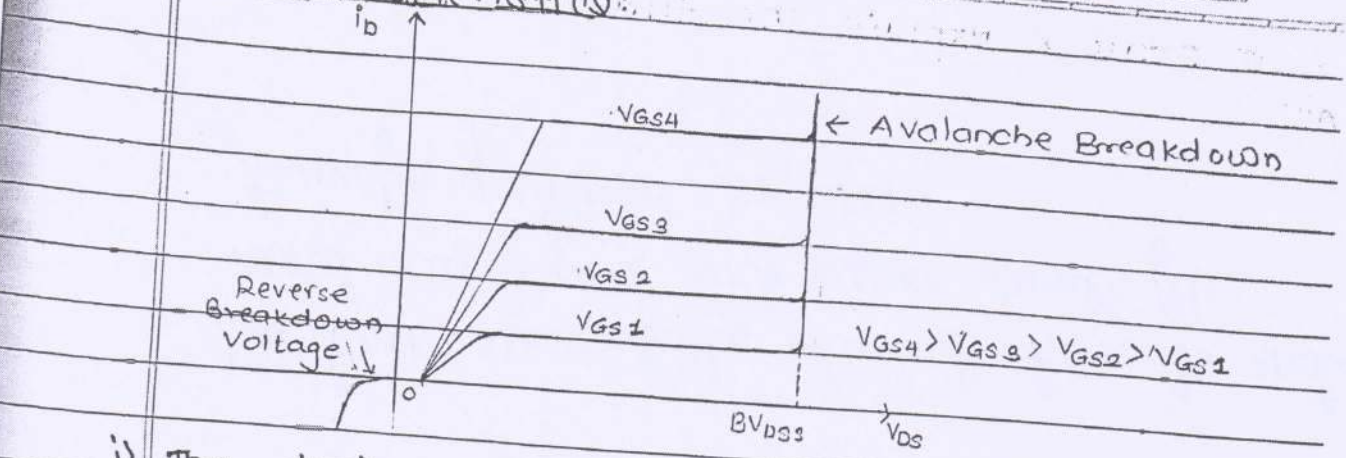
iii) As the junction J_3 are already forward biased it will inject holes into the n^+ buffer layer from p^+ layer. The electrons injected in the n^- drift layer create a space charge which will attract holes from the n^+ buffer layer which were injected by the p^+ layer.

iv) In this way "double injection" takes place into the n^- drift region from the both sides.

v) This increase the conducitivity of the drift region and reduces the resistance to it min. In this way the conductivity modulation will reduce the on-state voltage across the IGBT.

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c) V-I characteristics:



i) The drain current (or the collector current) increases with increase in the voltage between gate and source (V_{GS}).

ii) Also note that the gate to source voltage V_{GS} is positive. BV_{DSS} is the forward breakdown voltage.

iii) This is the value of V_{DS} at which the avalanche breakdown voltage.

iv) Therefore the power dissipated in the device will be very large and will damage it.

v) The device must be therefore operated below this voltage.

4) Explain the Transistor - Transistor analogy of SCR.

Ans: i) Two transistor analogy of SCR is a method of representing SCR in the form of two transistor model. This SCR is combination of PNP & NPN transist

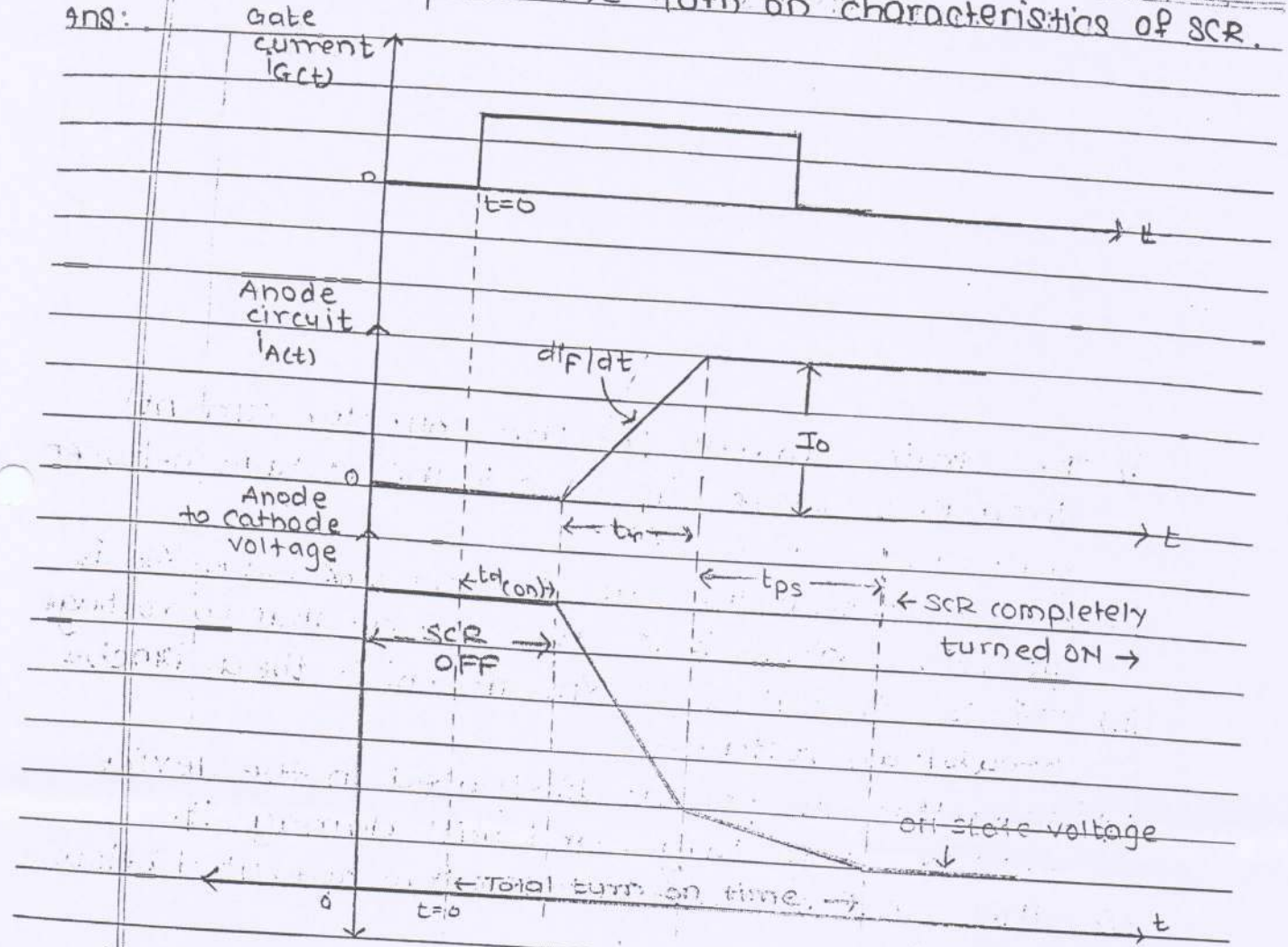
ii) SCR or thyristor is a three terminal semiconduct device which having P-N-P-N structure.

iii) The base of the transistor T1 is work as the collector of the transistor T2 & collector of transistor T1 work as the base of the transistor T2.

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5) Draw & explain the turn on characteristics of SCR.

Ans:



a) SCR is turned on by applying a current pulse of specified magnitude and duration to the gate of the device.

b) The gate current is applied at t=0. The waveforms for the anode current and anode to cathode voltage at the time of turn-on.

c) The forward anode current increases at a constant rate di_F/dt.

d) The total time taken by SCR to turn on completely can be subdivided into 3 time intervals i.e. turn-on delay time $t_{d(on)}$ (2) rise time (t_r) (3) spreading time (t_{ps})

$\therefore t_{on} = t_{d(on)} + t_r + t_{ps}$.

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Engineering Mechanics

Assignment

2018-19

Q1) A trolley is acted upon by two forces as shown in fig. If $\theta = 25°$ & the resultant of the two forces is vertical then determine the magnitude of force P & resultant R.

$\Sigma F(x) = 0$

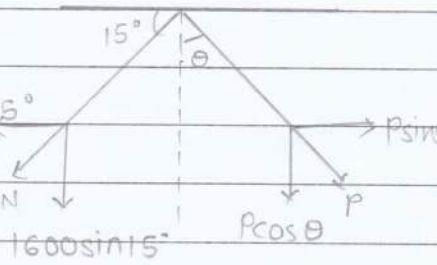
$\Sigma F(x) = -1600\cos 15 + P\sin\theta$.

$= -1545.48 + P\sin\theta = 0$.

$P\sin\theta = 1545.48$

$P = \frac{1545.48}{\sin 25}$

$\therefore P = 3656.92$



$\Sigma F_y = R$.

$-1600\sin 15° - P\cos\theta = -R$

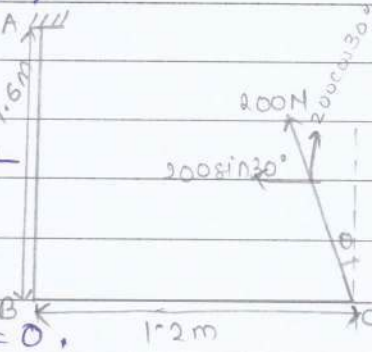
$-1600\sin 15 - 3656.92 \times \cos 25° = -R$

$R = 3728.40$.

Q2) The lever ABC fixed at A shown in fig is subjected to a 200 N force at C at $\theta = 30°$. Find the moment of this force about A. Also find the value of θ for which moment about A is zero.

$F(x) = -200\sin 30° = -100$

$F(y) = 200\cos 30° = 173.2$



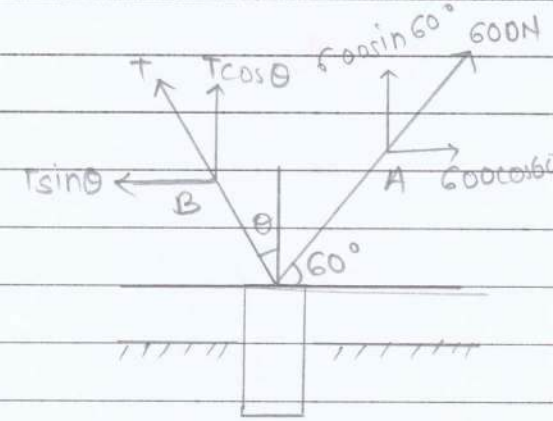
$\Sigma M_A = 0$.

$200 \times \cos 30 \times 1.2 - 100 \times 1.2 = 0$.

$207.84 - 160 = 0$

47.85 Nm

Q3) The post is to be pulled out of the ground using two ropes A & B as shown in fig. Rope of is subjected to a forces of 600 N & is directed to 60° from horizontal. If the resultant force acting on the part is to 1200 N vertically upward determine the force T & corresponding θ.



$$F(x) = 0$$

$$600\cos 60° - T\sin\theta = 0.$$

$$T\sin\theta = 300$$

$$F(y) = 0.$$

$$600\sin 60 + T\cos\theta = 1200$$

$$T\cos\theta = -519.61 + 1200$$

$$T\cos\theta = 680.385.$$

$$\frac{T\sin\theta}{T\cos\theta} = \frac{300}{680.385}$$

$$\tan\theta = 23.79°$$

$$T\sin\theta = 300.$$

$$T = \frac{300}{\sin(23.879)}$$

$$T = 743.41\ N.$$

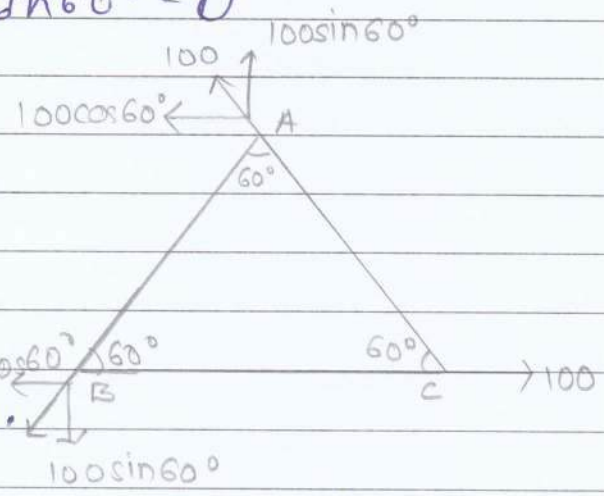
Q4) Determine the magnitude and direction of resultant with reference to point A for the force system as show in fig. if side of equilateral triangle is 1m.

~~Σf_x~~

$\Sigma F_x = 100 - 100\cos 60° - 100\cos 60° = 0.$

$\Sigma F_y = 100\sin 60° - 100\sin 60° = 0$

$\therefore R = 0.$



$\sin 60 = x$

$x = \sqrt{3}/2$

$\Sigma M_A = 100 \times AD$

$= 100 \times \sqrt{3}/2$

$\Sigma M_A = 86.56$ Nm.

Q5] The resultant of two forces P & Q is 1400 N vertical determine the force Q & corresponding $\angle\theta$ for the system of forces as shown in fig.

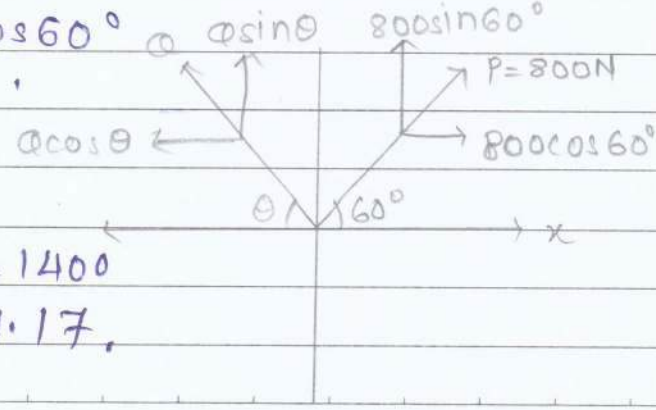
$\Sigma f(y) = k \quad \Sigma F_y = 0.$

$\{\Sigma F(x)\} = 0.$

$800\cos 60° - Q\cos\theta = 0.$

$Q\cos\theta = 800\cos 60°$

$Q\cos\theta = 400.$



$\Sigma F_y = 1400$

$800\sin 60° + Q\sin\theta = 1400$

$Q\sin\theta = 707.17.$

Divide (II) by (I).

$$\tan\theta = \frac{707.17}{400.}$$

$$\theta = 60.50^\circ$$

$$Q\cos\theta = 400$$

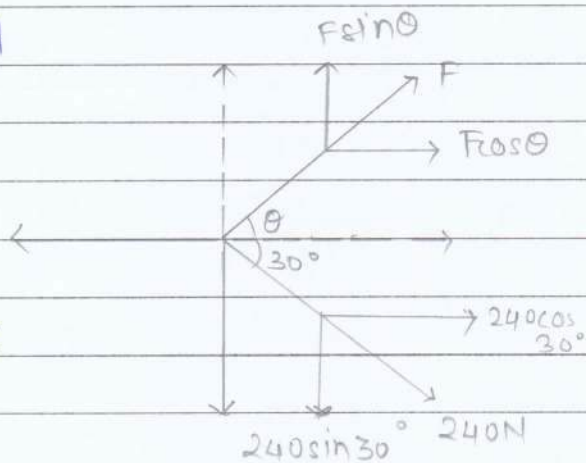
$$Q = \frac{400}{\cos 60.50}$$

$$Q = 812.30\,N$$

Q) The force system shown in fig resultant of 200N along +ve y axis determine the magnitude F & Force F

→ $\Sigma F(x) = 0.$ $\Sigma F(y) = 200N$

$\Sigma F(x) = 0.$



$$F\cos\theta + 240\cos 30^\circ = 0.$$

$$F\cos\theta = -207.84 + 500$$

$$\therefore F\cos\theta = 292.15 \quad - I$$

$$\Sigma F(y) = 200$$

$$F\sin\theta - 240\sin 30^\circ = 0$$

$$F\sin\theta = 320 \quad - II$$

Divide (II) by (I)

$$\frac{F\sin\theta}{F\cos\theta} = \frac{320}{292.15}$$

$$\tan\theta = 1.095$$

$$\theta = 47.59$$

$$F = \frac{292.12}{\cos 47.6}$$

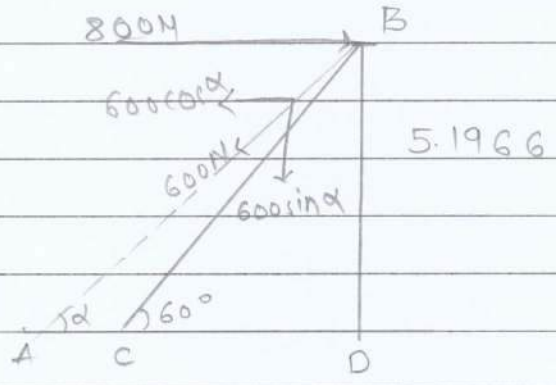
$$F = 433.26\ N$$

Q] Combine the two forces 800N & 600N, which act on the fixed dam structure at B into a single equivalent force R if AC = 3m, BC = 6m and $\angle BCD = 60°$.

→ In $\triangle BDC$,

$CD = 6\cos 60° = 3m$

$BD = 6\sin 60° = 5.2m$



Now In $\triangle BDA$.

$$\tan\alpha = \frac{BD}{AD} = \frac{5.2}{6}$$

$$\alpha = 40.91°$$

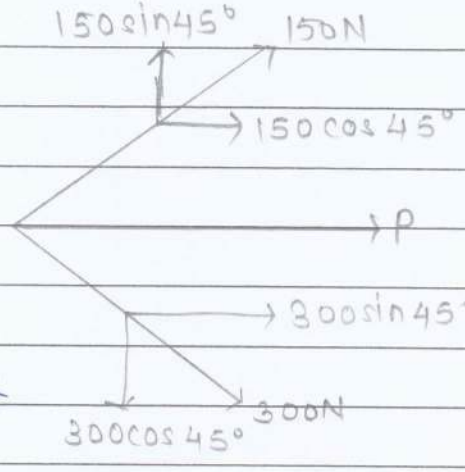
$$\Sigma F(x) = 800 - 600\cos(40.91)$$
$$= 346.5N$$

$$\Sigma F(y) = -600\sin(40.91)$$
$$= -392.92\ N$$

$$\therefore R = \sqrt{(\Sigma Fx)^2 + (\Sigma Fy)^2}$$
$$= \sqrt{(346.5)^2 + (-392.92)^2}$$
$$= 523.92\ N$$

$$\tan\theta = \frac{\Sigma Fy}{\Sigma Fx} \qquad \theta = 48.59° \text{ in } 4^{th} \text{ quadrant.}$$

07) Determine the magnitude of force P so that the resultant of the force system as shown in the fig. is vertical & Hence find magnitude of resultant force.



$\Sigma F_x = 0$

$150\cos 45^\circ + 300\sin 45^\circ + P = 0,$

$P = -318.2$

$P = 318.2\ N.$

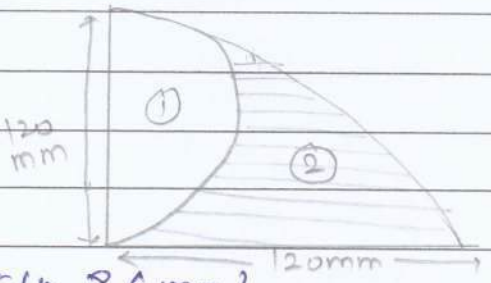
$\Sigma F_y = R$

$150\sin 45^\circ - 300\cos 45^\circ = R$

$R = -106.07$

$R = 106.07$

08) Locate the centroid of plane shaded areas shown in fig.



For ①

$r = 120/2 = 60\ mm.$

$A_1 = \frac{\pi r^2}{2} = \frac{\pi \times 3600}{2} = 5654.86\ mm^2$

$\bar{x}_1 = \frac{4r}{3\pi} = \frac{4 \times 60}{3 \times 3.14} = 25.46\ mm$

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$y_1 = 0$

for (II)

$$A_2 = \frac{\pi r^2}{4} = \frac{3.14 \times 120 \times 120}{4} = 11304 mm^2$$

$$x_2 = \frac{4r}{3\pi} = \frac{4 \times 120}{3 \times 3.14} = 50.92 mm$$

$$y_2 = \frac{4r}{3\pi} = \frac{4 \times 120}{3 \times 3.14} = 50.92 mm.$$

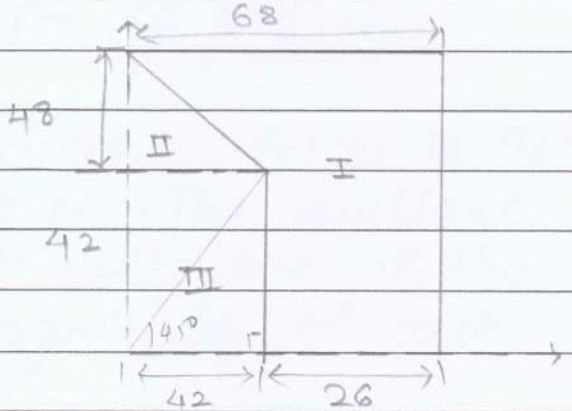
For shaded region.

$$\bar{x} = \frac{A_2 x_2 - A_1 x_1}{A_2 - A_1} \qquad \bar{y} = \frac{A_2 y_2 - A_1 y_1}{A_2 - y_1}$$

$$\bar{x} = \frac{11304 \times 50.92 - 5654.86 \times 25.46}{11304 - 5654.86} = 76.40 mm.$$

$$\bar{y} = \frac{575599.68 - 33291.6}{5649.14} = 41.830 mm.$$

Q9) Locate the centroid of shaded area as shown in fig.



For (I).

$$\tan 45^\circ = \frac{42}{x}$$

$A_I = 68 \times 90 = 6120 unit^2$

$x_1 = 68/2 = 34 unit \quad y_1 = \frac{90}{2} = 45 unit.$

FOR EDUCATIONAL USE

(d) D

$x_2 = a/2$

$y_1 = \frac{4a}{3\pi}$ $\quad y_2 = \frac{4r}{3\pi} = \frac{4(a/2)}{3\pi} = \frac{2a}{3\pi}$

$$\bar{x} = \frac{A_1x_1 - A_2x_2}{A_1 - A_2} = \frac{\frac{\pi a^2}{4} \times \frac{4a}{3\pi} - \frac{\pi a^2}{8} \times \frac{a}{2}}{\frac{\pi a^2}{4} - \frac{\pi a^2}{8}}$$

$$= \frac{a\left[\frac{1}{3} - \frac{\pi}{16}\right]}{\frac{\pi}{4} - \frac{\pi}{8}}$$

$$\bar{x} = 0.35a$$

$$\bar{y} = \frac{A_1y_1 - A_2y_2}{A_1 - A_2} = \frac{\frac{\pi a^2}{4} \times \frac{4a}{3\pi} - \frac{\pi a^2}{8} \times \frac{2a}{3\pi}}{a^2\left[\frac{\pi}{4} - \frac{\pi}{8}\right]}$$

$$\bar{y} = \frac{a\left[\frac{1}{3} - \frac{1}{12}\right]}{\frac{\pi}{4} - \frac{\pi}{8}}$$

$$\bar{y} = 0.63a$$

Ans: $(0.35a, 0.63a)$

a] Determine the position of centroid of shaded area with origin O as shown in fig.

→ $A_1 = 1/2 \times 100 \times 100 = 5000 mm^2$

$x_1 = 100/3 = 33.33 mm$

$y_1 = 100/3 = 33.33 mm$

$A_2 = \frac{(Diagonal)^2}{2} = \frac{(200)^2}{2} = 20,000$

$x_2 = 100 mm \quad y_2 = 100 mm$

$$\bar{x} = \frac{A_1x_1 + A_2x_2}{A_1 + A_2} = \frac{(5000 \times 33.33) + (20000 \times 100)}{(5000 + 20000)}$$

$$\bar{x} = 86.66 mm$$

$$\bar{y} = \frac{A_1y_1 + A_2y_2}{A_1 + A_2} = \frac{(5000 \times 33.33) + (20000 \times 100)}{(5000 + 20000)}$$

$$\bar{y} = 86.66 mm$$

$$(\bar{x}, \bar{y}) = (86.66 mm, 86.66 mm)$$

b) Determine y-co-ordinate of centroid of the shaded area as shown in fig.

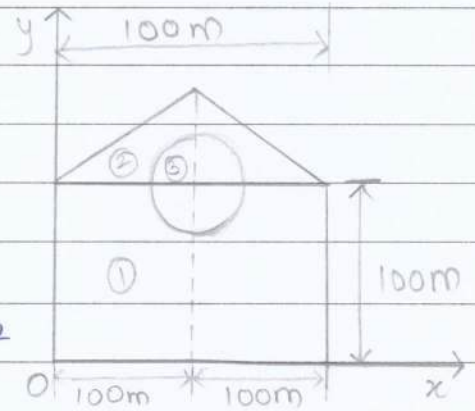
$A_1 = 200 \times 100 = 20000 m^2$

Symmetrical about Y axis

$\bar{x} = 100 mm$

$y_1 = \frac{100}{2} = 50 mm$

$A_2 = \frac{1}{2} \times 200 \times 100 = 10000 m^2$



$$y_2 = 100 + \frac{100}{3} = 133.33 \text{ mm}$$

$$A_3 = \pi r^2 = \pi \times 50^2 = 7853.98 \text{ mm}^2$$

$$y_3 = 100 \text{ mm}$$

$$\bar{y} = \frac{A_1 y_1 + A_2 y_2 - A_3 y_3}{A_1 + A_2 - A_3}$$

$$= \frac{(20{,}000 \times 50) + (10{,}000 \times 133.33) - (7853.98 \times 100)}{20000 + 10{,}000 - 7853.98}$$

$$\bar{y} = 69.89 \text{ mm}$$

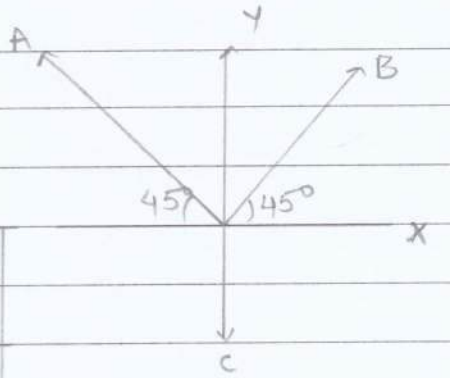
((100, 69.89 mm)

(c) A slender rod is wedded into a shape as shown in fig. locate the position of centroid of the rod with respect to origin O. If AO=BO=CO=50 mm.

→

rod symmetrical about y-axis

$\therefore \bar{x} = 0$.



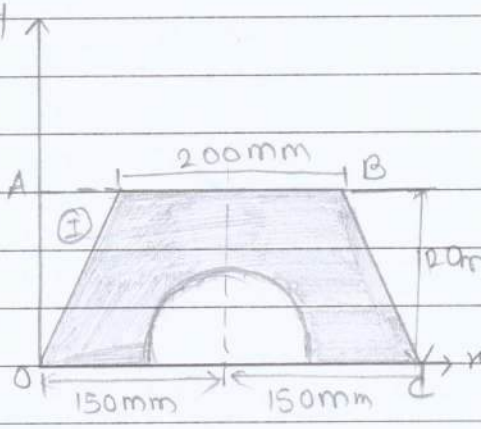
	Part	length of Part	y-cordinate
1.	line OA	50mm	25sin45°
2.	line OB	500mm	25sin45°
3.	line OC	50 mm	-25

$$\bar{y} = \frac{\Sigma(ty)}{\Sigma L} = \frac{50(25\sin 45°) + 50(25\sin 45°) + 50(-25)}{50+50+50}$$

$$\bar{y} = 3.45 \text{ mm}$$

C.G :- $(0, 3.45)$ mm

(d) A semicircular area is cut from a trapezium as shown in fig. Determine the centroid of the shaded portion w.r.t origin O.



→

Symmetry about y-axis $\bar{x} = 150$ mm

$OA = 300$ mm

Assuming radius of ~~circ~~ semicircular $= 75$ mm $\left[\frac{150}{2}\right]$

$A_1 = 300 \times 120 = 3600$

$A_2 = \frac{1}{2} \times 120 \times 50 = 3000$

$A_3 = \frac{\pi r^2}{2} = \frac{\pi \times (75)^2}{2} = 8835.72 \text{ mm}^2$

$y_1 = 60$ mm

$y_2 = \frac{2}{3} \times 120 = 80$ mm

$y_3 = \frac{4 \times 75}{3\pi} = 31.83$ mm

$$\bar{y} = \frac{A_1 y_1 - 2A_2 y_2 - A_3 y_3}{A_1 - 2A_1 - A_3}$$

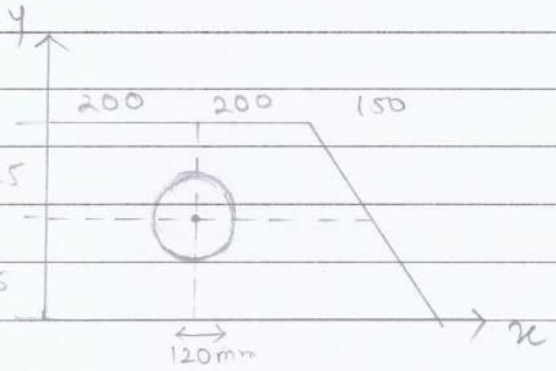
$$\bar{y} = \frac{(36000 \times 60) - (2 \times 8000 \times 80) - (8835.72 \times 31.83)}{36000 - 2 \times 3000 - 8835.72}$$

$$= \frac{2160000 - 480000 - 281240.96}{21164.28}$$

$$\bar{y} = \frac{1398759.04}{21164.28}$$

$$\bar{y} = 66.1 \text{ mm.}$$

e) Determine the x-coordinate of centroid w.r.t origin the shaded area.



$A_1 = 400 \times 250 = 100000 mm^2$

$A_2 = \frac{1}{2} \times 150 \times 250 = 18750 \text{ mm}^2$

$A_3 = \pi \times (60)^2 = 11309.73 \text{ mm}^2$

$x_1 = 200 \text{ mm}$

$x_2 = \frac{1}{3} \times 150 + 400 = 450 \text{ mm}$

$x_3 = 200 \text{ mm}$

$$\bar{x} = \frac{A_1 x_1 + A_2 x_2 - A_3 x_3}{A_1 + A_2 - A_3}$$

$$= \frac{100000 \times 200 + 18750 \times 450 - 11309.73 \times 200}{100000 + 18750 - 11309.73}$$

$$= 20000000 + 8437500 - 2261946 \,/\, 107440.2$$

$$\bar{x} = 234.90 \text{ mm}$$

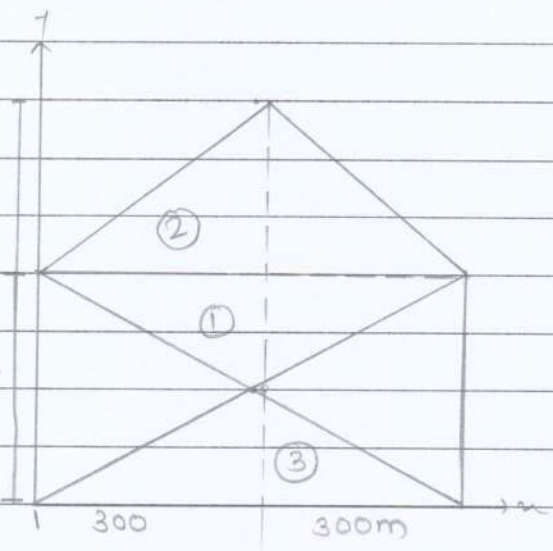
Q) Determine the co-ordinate of centroid of shaded area as shown in fig.

→

$A_1 = 600 \times 300 = 180000 mm^2$

$A_2 = \frac{1}{2} \times 600 \times 150 = 45000 mm^2$

$A_3 = \frac{1}{2} \times 600 \times 150 = 45000 mm^2$



$\bar{x} = 300mm$

$y_1 = 150mm$

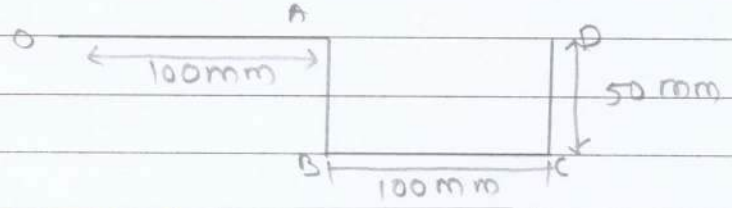
$y_2 = \frac{1}{3} \times 150 + 300 = 350mm$

$y_3 = \frac{1}{3} \times 100 = 50mm$

$$\bar{y} = \frac{A_1 y_1 + A_2 y_2 - A_3 y_3}{A_1 + A_2 - A_3} = \frac{180000 \times 150 + 45000 \times 350 - 45000 \times 50}{180000 + 45000 - 45000}$$

Ans: $(\bar{x}, \bar{y}) = (300, 225) mm$

Q) A thin rod is bend into shape of ABCD as shown in fig. Determine centroid of the bent rod w.r.t origin.



Sr. No.	Part	length of rod	x	y
1	OA	100	50	0
2	AB	50	100	-25
3	BC	100	150	-50
4	CD	50	200	-25

$$\bar{x} = \frac{\Sigma Lx}{\Sigma L} = \frac{L_1 \times 1 + L_2 \times 2 + L_3 \times 3 + L_4 \times 4}{4 + L_2 + L_3 + L_4}$$

$$\bar{x} = \frac{100 \times 50 + 50 \times 100 + 100 \times 150 + 50 \times 200}{100 + 50 + 100 + 50}$$

$$\bar{x} = \frac{35000}{300}$$

$$\bar{x} = 116.67 \text{ mm}$$

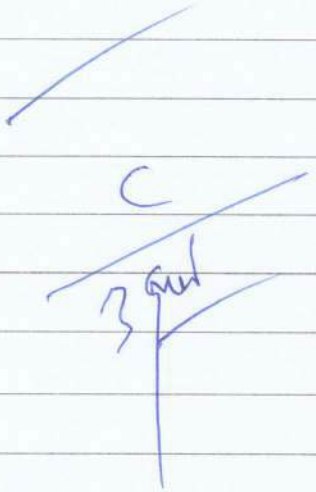
$$\bar{y} = \frac{L_1 y_1 + L_2 y_2 + L_3 y_3 + L_4 y_4}{L_1 + L_2 + L_3 + L_4}$$

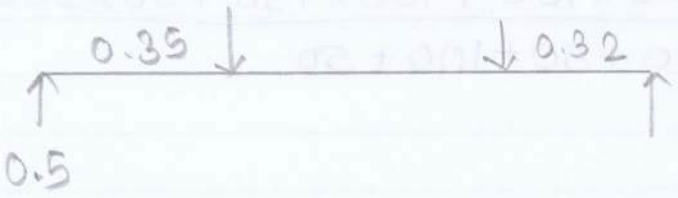
$$\bar{y} = \frac{0 + (50) \times (-25) + 100(-50) + 50(-25)}{100 + 50 + 100 + 50}$$

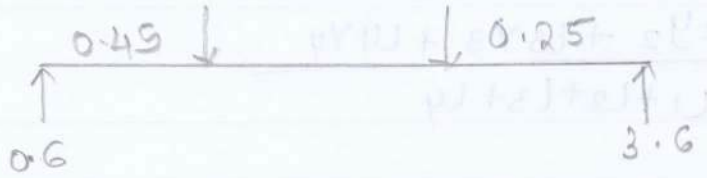
$$\bar{y} = \frac{-7500}{300}$$

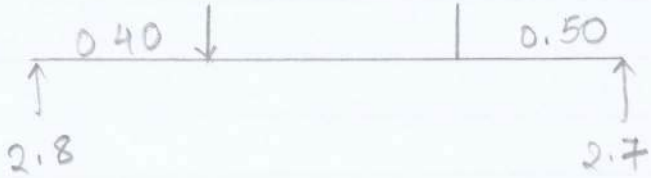
$$\bar{y} = -25 \text{ mm}$$

$$(\bar{x}, \bar{y}) = (116.67, -25)$$




0.35
0.32
0.5


0.45
0.25
0.6
3.6


0.40
0.50
2.8
2.7

Invoking

With short options, that do not take arguments may be combined into a single command line argument with subsequent options, options with mandatory arguments may be provided either as a single command line argument or as two arguments, and options with optional arguments must be provided as a single argument. In other words, m4 -OPDfoo -d a -df is equivalent to m4 -O -P -D foo -d -df --, /a, although the latter from is considered conical.

With long, options with mandatory arguments may be provided with an equal sign ('=') in a single argument, or as two arguments and options with optional arguments must be provided as a single argument. In other words, m4 --def foo --debug a is equivalent to m4 --define=foo --debug= --, /a, although the latter form is considered conical.

27/9/22

BHARATI VIDYAPEETH's
COLLEGE OF ENGINEERING, LAVALE -412115
DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING
PROJECT LIST : A.Y : 2019-2020

Roll No.	Group NO.	Name of the student	Title	Guide Name
2	1	SHITOLE ASHWINI JAGANNATH	Bridge Condition Monitoring System	Prof. S. G. Gawhale
5		KUMBHAR ROHIT RAMDAS		
4		PRASHANT DILIP SHAHA		
3		SANSKRUTI KENDALE(p)		
17	2	MAYURI WAGH	Advance Agriculture with Anti-theft Technology	Prof. L. P. Chaudhari
12	3	AYUSH SHUKLA	Car Accident And Prevention	Prof. A. B. Wani
13		KARTIKEY VAISH		
8		HEMANT DINUJI KAKADE		
14	4	KALE SANYUKTA MILIND	Automobile Wireless Communication And Obstacle Detection	Prof. S. G. Gawhale
15		KANSE KUNJAN JAGDISH		
6	5	SARODE AMIT VISHNU	IoT based Efficient Battery Management for E-Vehicle	Prof. A. B. Wani
7		GAWADE GAURAV DILIP		
9		PRATIK CHANDURKAR		
10	6	KOLHE HARSHAL SUDHAKAR	Smart Trolley System For Automated Billing Using RFIDAnd IoT	Prof. L. K. Wani
11		SUPROBAHA CHOWDHURY		
18		DEVESH TALWAR		
1	7	SHAH RAHUL MANOJ	Implementation of Embedded System for Industrial automation	Prof. L. K. Wani
16		NIKITA SHIVAJI CHAVHAN		

Prof.L.K.Wani
Project Coordinator

Prof. A. B. Wani
H.O.D

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PROJECT LIST : A.Y : 2020-2021

Roll No.	Group NO.	Name of the student	Title	Guide Name
1	1	Gajbhiye Nehal sanjay	Seeker Investigate Vehicle with Aided Navigation	Prof. L. K. Wani
3		Desai Chandrakant		
5		Mrunal Uday Battise		
13	2	Nayan Vyas	Smart Toilet using Passive Infrared Rays(PIR) sensor for Indian Railways.	Prof. L. P. Chaudhari
14		Tejas Patil		
6		Raghatate Amey Avinash		
7	3	Rahul Lokesh Chavan	IOT Based Prepaid Energy Meter	Prof. A. B. Wani
4		Jay Anil Panari		
12		Sujal Nandkishor Golar		
10	4	Sawant pranita chandrakant	Weight Finder by Tension in the muscles of the Forearms	Prof. S. G. Gawhale
16		Saurabh Jaiswal		
8	5	Sanskruti B kendale	Face mask detection and temerature sensing using Machine Learning	Prof. L. K. Wani
15		Ujwala Sawant		
9		Rohit Yadavrao Jagtap		
2		Agale Jaishree Vijay		
17	6	Sneha Shirsat	Dual Axis Solar Tracking System	Prof. A. B. Wani
		Shipra Girish Dorlikar		

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BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING LAVALE

PUNE-412115, INDIA

DEPARTMENT OF ELECTRONICS AND TELECOMMUICATION ENGINEERING

CERTIFICATE

This is to certify that the project entitled "**Dual Axis Solar Tracking System**" submited by **Ms. Shipra Dorlikar, Ms. Sneha Shirsat** for the partial fulfillment of the requirement for the four year course of Bachelors of Engineering (**Electronics and Telecommunication**) of University of Pune is a bonafide work carried out during the academic year 2020-2021

Prof. P.A. Yadav
Project Guide
Department of E&TC Engineering

Prof. Lalita Wani
Project Coordinator
Department of E&TC Engineering

Examiner :

Prof.A.B. Wani
HOD
Department of E&TC Engineering

Date : 15/11/21

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's College of Engineering, Lavale, Pune - 412 115

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING LAVALE

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

CERTIFICATE

This is to clarify that the project entitled **"Face mask detection and temperature sensing using machine learning language"** submitted by Mr. Rohit Jagtap, Miss. Sanskruti Kendale, Miss. Ujawala Sawant, Miss. Jaishree Agale for the partial fulfilment of the requirement for the fourth year course of Bachelor's Engineering (**Electronics and Telecommunication**) of University of Pune is a bonafide work carried out during year 2020-2021.

Prof. MINAKSHI MOLWADE
(Project Guide)
Department of E&TC

Prof. LALITA WANI
(Project Coordinator)
Department of E&TC

Date:-

Prof. A.B. WANI
H.O.D
Department of E&TC

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's College of Engineering, Lavale, Pune - 412 115

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING LAVALE
PUNE-412115, INDIA
Department of (Electronics and Telecommunication)

CERTIFICATE

This is to certify that the project entitled **Weight Finder By Tension In The Muscle**

Submited by

SAURABH JAISWAL
Roll No:- B151113006

PRANITA SAWANT

Roll No:- B151113014

Is record of bonafide work carried out by them, under my guidance, in partial fulfilment of the requirement for the award of the Degree of Bachelors of Engineering (**Electronics and Telecommunication**) of University of Pune.

Date:-
Place:- Bharati Vidyapeeth's College of Engineering Lavale, Pune.

Prof. Swati Ghawale Project Guide Department of E&TC	Prof.L.K.Wani Project Co-ordinator Department of E&TC	Prof. A.B.Wani H.O.D Department of E&TC

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's College of Engineering, Lavale, Pune - 412 115

Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's College of Engineering, Lavale, Pune - 412 115

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING LAVALE

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the project entitled **PREPAID ELECTRIC METER** submited by Mr. JAY PANARI, Mr. SUJAL GOLAR & Mr. RAHUL CHAVAN for the partial fulfilment of the requirement for the four year course of Bachelors Engineering (**Electronics and Telecommunication**) of University of Pune is a bonafide work carried out during academic year 2020-21.

15/07/2021

Prof. A.B. WANI

(Project Guide)

Department of E&TC

15.07.2021

Prof. LALITA WANI

(Project Coordinator)

Department of E&TC

Date: - 15/07/2021

15/07/2021

Prof. A.B. WANI

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PUNE-412115, INDIA

DEPARTMENT OF ELECTRONICS& TELECOMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the Project Report entitled "Smart Toilet using PIR sensor" submitted by **Mr. Nayan Vyas, Mr. Amey Raghatate ,Mr Tejas Patil** for the partial fulfillment of the requirement for the fourth year course of Bachelors of engineering **(Electronics and Telecommunication)** of Universityof Pune is a bonafide work carriedoutduring the academic year 2020-2021.

Prof. Leena B. Chaudhuri
Project Guide
Department of E&TC Engineering

Prof. Lalita Wani
Project Coordinator
Department of E&TC Engineering

Prof. A.B. Wani
HOD
Department of E&TC Engineering

Examiner

Date: 15/7/2021

Head
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Bharati Vidyapeeth's College of Engineering, Lavale, Pune - 412 115.

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING LAVALE

PUNE-412115, INDIA

Department of Electronics and Telecommunication

CERTIFICATE

This is to certify that the project entitled **Seeker Investigative Vehicle with Aided Navigation**

Submitted by Chandrakant Desai, Seat no: B151113003

Mrunal Battise, Seat no: B151113002

Nehal Gajbhiye, Seat no: B151113004

Is record of bonafide work carried out by them, under my guidance, in partial fulfilment of the requirement for the award of the Degree of Bachelors of Engineering(**Electronics and Telecommunication**) of University of Pune.

Date: -

Place: - Bharati Vidyapeeth's College of Engineering, Lavale, Pune.

Prof. L.K.Wani	Prof. L. K. Wani	Prof. A. B. Wani
Project Guide	Project Co-ordinator	H.O.D
Department of E&TC	Department of E&TC	Department of E&TC

Dept. of Electronics & Telecommunication Engineering Bharati Vidyapeeth's College of Engineering Lavale, Pune - 412 115.

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BHARATI VIDYAPEETH's
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DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING
PROJECT LIST : A.Y : 2021-2022

Roll No.	Group NO.	Name of the student	Title	Guide Name
2	1	Akash Watgure	Attendance system using Face Recognition	Prof. A. B. Wani
17		Paritosh Pal		
23		Utpalkant Sahu		
5	2	Vaishnavi Vinodrao Deshmukh	Landslide early warning system based on arduino with soil movement and humidity sensors	Prof. S. G. Gawhale
16		Omkar Laxman Mhadgut		
25		Ishwari Gorakh Shinde		
18	3	Himanshu Rajrsh Pardeshi	AI enabled Security Camera for Delivery agent and Security purpose	Prof. L. P. Chaudhari
31		Ajinkya Ashok Wadbude		
34		Atharva Deepak Wanjari		
3	4	Ajay Vithalarao Bhosale	Water Quality Prediction Using Machine Learning Algorithm	Prof. L. K. Wani
6		Priyanka Vilas Firke		
12		Prashik Nathuji Meshram		
27		Siddharth Subhash Shrivastav		
9	5	Hurtwik Sanjay Jiddewar	Web Scraping Tool	Prof. L. P. Chaudhari
10		Rushi Yashwant Khandetod		
13		Momin Mohammad Maaz Fazlur Rahman		
1	6	Abhishek Kumar Yadav	Vehicle Crash Detection Using Machine Learning	Prof. L. K. Wani
4		Sharwari Sharad Bhosale		
15		Nili Manas Ramanmurthi		
13		Momin Mohammad Maaz Fazlur Rahman		
14	7	Priya Rajendra Naikare	Versatile Agriculture Robot	Prof. S. G. Gawhale
19		Vaibhavi Sudhakar Patil		
22		Kajal Hanumant Raut		
11	8	Koithodathu Godson Abraham	Smart Mirror	Prof. A. B. Wani
29		Kalpesh Vijay Toraskar		
7	9	Ritesh Sunil Gole	Fingerprint voting system	Prof. S. G. Gawhale
20		Prateek Baban Sawant		
21		Prince		
28	10	Megha Puranbahadur Tamrakar	Smart Menu Ordering System For Hotels.	Prof. L. K. Wani
30		Tanmay Sambhaji Vetal		
32		Rutik Shrikant Wadnerkar		
33		Akshay Ankush Walunj		
8	11	Ajay Pradeep Gupta	Face Recognition door lock system	Prof. A. B. Wani
24		Sairaj Chandrakant Sawant		
26		Mayur Ravindra Shitole		

Prof.L.K.Wani
Project Coordinator

Prof. A. B. Wani
H.O.D

Head
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Bharati Vidyapeeth's College of Engineering, Lavale, Pune - 412 115.

BHARATI VIDYAPEETH COLLEGE OF
ENGINEERING, LAVALE
PUNE-412115, INDIA

Department of Electronics and Telecommunication

CERTIFICATE

This is to certify that the Project entitled **"Versatile Agriculture Robot"**,

submitted by

Priya Naikare	(B151113014)
Vaibhavi Patil	**(B151113019)**
Kajal Raut	**(B151113022)**

is record of bonafide work carried out by them, under my guidance, in partial fulfillment of the requirement for the award of the Degree of Bachelors of Engineering (**Electronics and Telecommunication**) of Savitribai Phule Pune University.

Date : 18/5/22

Place : Bharati Vidyapeeth College of Engineering Lavale Pune.

Dr. Neha Shahare	Prof. Lalita Wani	Prof. Atul Wani
(Project Guide)	**(Project Coordinator)**	**(H. O. D.)**

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

Is record of bonafide work carried out by them, under my guidance, in partial fulfillment of the requirement for the award of the Degree of Bachelors of Engineering(**Electronics and Telecommunications**) of the University of Pune.

Prof. A. B. Wani

(Project Guide)

Prof. L.K. Wani

(Project Coordinator)

Prof. A. B. Wani

(HOD)

Date:-

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Lavale, Pune - 412 115.

DEPARTMENT OF (ELECTRONICS AND TELECOMMUNICATION)
BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING LAVALE
PUNE-412115, INDIA

BACHELOR OF ENGINNERING

In

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

CERTIFICATE

BHARATI VIDYAPEETH COLLAGE OF ENINEERING,LAVALE,PUNE.

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING LAVALE
PUNE-412115, INDIA

Department of (Electronics and Telecommunication)

This is to certify that the project entitled

"FACE RECOGNITION SYSTEM WITH FACE DETECTION"

Submitted by

Sairaj Sawant - (B151113024

Ajay Gupta -(B151113026)

Mayur Shitole -(B151113008)



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PUNE-412115, INDIA

Department of (Electronics and Telecommunication)

CERTIFICATE

This is to certify that the project entitled

"Smart Menu Ordering System for Hotels"

Submitted by **Miss. Megha Tamrakar (B151113028)**
Mr. Tanmay Vetal (B151113030)
Mr. Rutik Wadnerkar (B151113032)
Mr. Akshay Walunj (B151113033)

Is record of bonafide work carried out by them, under my guidance, in partial fulfillment of the requirement for the award of the Degree of Bachelors of Engineering (**Electronics and Telecommunications**) of the University of Pune.

Prof. L. K. Wani
(Project Guide)

Prof. L.K. Wani
(Project Coordinator)

Prof. A. B. Wani
(HOD)

Date:- 18-5-22

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Lavale, Pune - 412 115

BHARATI VIDYAPEETH'S COLLEGE OF COLLEGE OF ENGINEERING LAVALE PUNE-412115. INDIA

Department of

Electronics and Telecommunication

CERTIFICATE

This is to certify that the Project entitled **FINGERPRINT VOTING MACHINE,**

submitted by **Mr. Ritesh Gole (B151113007),**
Mr. Prateek Sawant(B151113020),
Mr. Prince (B151113021),

is record of bonafide work carried out by them. under my guidance, in partial fulfillment of the requirement for the award of the Degree of Bachelor of Engineering Electronics & Telecommunication of University of Pune.

(Prof. S.G. Gawhale)
Project Guide

(Prof. L.K. Wani)
Project Coordinator

18/05/22
Date-

(Prof. A.B Wani)
HOD E&TC Department

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's College of Engineering, Lavale, Pune - 412 115

```
nterms=int(input("How many Terms?"))
#First Two Number
n1=0
n2=1
count=0
#check if the number of terms is valid
if nterms<=0:
print("Please enter a positive number")
#if there is only one term, return n1
elif nterms==1:
print("Fibonacci sequence upto",nterms,":")
print(n1)
#Generate Fibonacci sequence
else:
print("Fibonacci Sequence:")
while count<nterms:
print(n1)
nth=n1+n2
#update values
n1=n2
n2=nth
count+=1
```

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PUNE-412115, INDIA

Department of (Electronics and Telecommunication)

CERTIFICATE

This is to certify that the project entitled **"Smart Mirror"**

Submitted by **Godson Koithodathu** **(B151113011)**

Kalpesh Toraskar **(B151113029)**

Is a record of bonafide work carried out by them, under my guidance, in partial fulfillment of the requirement for the award of the Degree of Bachelors of Engineering(**Electronics and Telecommunication**) of the University of Pune.

Prof. A. B. Wani
(Project Guide)

Prof. L. K. Wani
(Project Coordinator)

Prof. A. B. Wani
(HOD)

Date:- 18/05/2022

Department of E&TC

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PUNE-412115. INDIA

Department of Electronics and Telecommunication

CERTIFICATE

This is to certify that the project entitled **"Vehicle Crash Detection"**

Submitted by

Md Maaz Momin	(B151113013)
Sharwari Bhosale	(B151113004)
Abhishek Yadav	(B151113001)
Manas Nili	(B151113015)

Is a record of Bonafide work carried out by them, under my guidance, in partial fulfillment of the requirement for the award of the Degree of Bachelor of Engineering (**Electronics and Telecommunication**) of the University of Pune.

Prof. L.K. Wani
(Project Guide)

Prof. L.K. Wani
(Project Coordinator)

Prof. A. B. Wani
(HOD)

Date: - 18/5/22

Department of E&TC

HEad
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BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING
LAVALE
PUNE-412115, INDIA

Department of (Electronics and Telecommunication)

CERTIFICATE

This is to certify that the project entitled "Web Scraping Tool"

Submitted by Hrutwik Jiddewar (B151113009)

Rushi Khandetod (B151113010)

Is a record of bonafide work carried out by them, under my guidance, in partial fulfillment of the requirement for the award of the Degree of Bachelors of Engineering(**Electronics and Telecommunication**) of the University of Pune.

Prof. L. B. Chaudhari
(Project Guide)

Prof. L. K. Wani
(Project Coordinator)

Prof. A. B. Wani
(HOD ENTC)

Date 18/5/22

Head
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College of Engineering,
Lavale, Pune - 412 115.

Bharati Vidyapeeth's College Of Engineering
Lavale, Pune-412115,India

DEPARTMENT OF (ENTC)

CERTIFICATE

This is to certify that the Project entitled **Water Quality Prediction using Machine learning algorithm**

Submitted by

Ajay Bhosale	**(B151113003)**
Priyanka Firke	**(B151113006)**
Prashik Meshram	**(B151113012)**
Siddharth Shrivastava	**(B151113027)**

is record of bonafide work carried out by them, under my guidance , in partial fulfillment of the requirement for the award of the Degree of Bachelors of Engineering (**Electronics and Telecommunication**) of University Pune.

Date : 18-05-2022

Place: BVCOEL , Pune.

(Prof.Lalita Wani)	**(Prof.Lalita Wani)**	**(Prof.A.B Wani)**
Project Guide	**Project Co-ordinator**	**HOD of E&TC Department**

Department of ENTC

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's College of Engineering
Lavale, Pune-412115

BHARATI VIDYAPEETH

PUNE

CERTIFICATE

This is to certify that Himanshu Pardeshi, Atharva Wanjari and Ajinkya Wadbude, have successfully completed the Project Stage-II entitled AI-CAMX" Artificial intelligence enabled Security camera for delivery Agents and Military Security under my supervision, in the fulfillment of Bachelor of Electronics And Telecommunication of Savitribai Phule Pune University.

Date : 18/05/22
Place : Pune

Prof. L.B. Chaudhari
Project Guide

Prof. A.B. Wani
Head of Department

Prof. L. K. Wani
Project Co-Ordinator

Head
Dept. of Electronics & Telecommunication Engineering
Bharati Vidyapeeth's
College of Engineering
Lavale, Pune - 412 115.

BHARATI VIDYAPEETH

CERTIFICATE

Of completion

This is to certified that the Project entitled **"LANDSLIDE EARLY WARNING SYSTEM BASED ON ARDUINO WITH SOIL MOVEMENT AND HUMIDITY SENSORS"** which is being submitted by ISHWARI SHINDE, VAISHNAVI DESHMUKH and OMKAR MHADGUT in partial fulfillment for award of Bachelor of Engineering in **ELECTRONICS AND TELECOMMUNICATION ENGINEERING** of **SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE** Is a record of the candidate own work carried own work carried out by him/her under my supervision and guidance. The matter embodied in this thesis is original and has not been submitted for the award of any other degree, is a bonafide work caried out during the academic year 2021-2022.

Prof. Swati G. Gawhale

(Project Guide)

Prof. Lalita K. Wani

(Project coordinator)

Prof. Atul B. Wani

(HOD)

Date: 18/5/22

Head
Dept. of Electronics & Telecommunication Engineering
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Lavale, Pune - 412 115.

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING LAVALE
PUNE-412115, INDIA

Department of (Electronics and Telecommunication)

CERTIFICATE

This is to certify that the project entitled

"Attendance System Using Face Recognition"

Submitted by **Akash Watgure** **(B151113002)**

Paritosh Pal **(B151113017)**

Utpalkant Sahu **(B151113023)**

Is record of bonafide work carried out by them, under my guidance, in partial fulfillment of the requirement for the award of the Degree of Bachelors of Engineering(**Electronics and Telecommunications**) of the University of Pune.

Prof. A. B. Wani
(Project Guide)

Prof. L.K. Wani
(Project Coordinator)

Prof. A. B. Wani
(HOD)

Date:- 18/5/12

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BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, LAVALE -412115
CLASS:- (BE-ETC) 2022-23
Project Groups

Group NO.	Name of the student	Title	Guide Name
1	Karan Ahire Amrut Jadhav Himanshu Dethe	Fault Tracing of wiring harness combined with automated reality	Prof. A. B. Wani
2	Animesh More Ankit Wankhede Akarsh Poddar	IOT based solar power monitoring system based on dual axis with wiping mechanism	Prof. S. G. Gawhale
3	Rajdeep Korpe Aryan Gaupal Yash Choubhare	Advanced military spying and bomb disposal Robot	Prof. L. P. Chaudhari
4	Swati Amrutkar Shubhangi Kkaade Rupali Shinde Vedika Sonparote	Garbage segregation and managenent system	Prof. L. K. Wani
5	Alisha Singh Janhavi Gudadhe Pushkaraj Vernekar	Grinding Machine for grains	Prof. L. P. Chaudhari
6	Akash Kamble Vyankat Machapure Bhavana Pawar Ujwal Sharma	Wireless Electronic Notice Board	Prof. A. B. Wani

Prof. L. K. Wani	Prof. A. B. Wani
Project Coordinator	H.O.D.

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Lavale, Pune - 412 115.

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERINGLAVALE
PUNE-412115, INDIA

Department of (Electronics and Telecommunication)

CERTIFICATE

This is to certify that the project entitled

"FAULT TRACING OF WIRING HARNESS COMBINED WITH AUTOMATED REALITY"

Submitted by

Karan Ahire	**(B191113011)**
Amrut Jadhav	**(B191113008)**
Himanshu Dethe	**(B191113005)**

Is a record of bonafide work carried out by them, under my guidance, in partial fulfillment of the requirement for the award of the Degree of Bachelors of Engineering(**Electronics and Telecommunication**) of the University of Pune.

Prof. A. B. Wani	Prof. L. K. Wani	Prof. A. B. Wani	DR. R. N. Patil
(Project Guide)	(Project Coordinator)	(HOD ENTC)	(Principal)

External Examiner

Date: 2/6/23

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PUNE-412115, INDIA

Department of (Electronics and Telecommunication)

CERTIFICATE

This is to certify that the project entitled

" IOT BASED SOLAR POWER MONITORING SYSTEM BASED ON DUAL AXIS WITH WIPING MECHANISM "

Submitted by

Animesh More	**(B191113014)**
Ankit Wankhede	**(B191113021)**
Raj Nikam	**(B191113017)**
Akarsh Poddar	**(B191113001)**

is a record of bonafide work carried out by them, under my guidance, in partial fulfillment of the requirement for the award of the Degree of Bachelors of Engineering(**Electronics and Telecommunication**) of the University of Pune

Prof. Swati Gawhale	Prof. L. K. Wani	Prof. A. B. Wani	DR. R. N. Patil
(Project Guide)	(Project Coordinator)	(HOD ENTC)	(Principal)

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Lavale, Pune - 412 115.

External Examiner

Date: 2/6/23

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING LAVALE
PUNE-412115, INDIA

Department of (Electronics and Telecommunication)

CERTIFICATE

This is to certify that the project entitled

"ADVANCED MILITARY SPYING AND BOMB DISPOSAL ROBOT"

Submitted by

Rajdeep Korpe	**(B191113012)**
Aryan Gaupal	**(B191113006)**
Yash Choubhare	**(B191113004)**

Is a record of bonafide work carried out by them, under my guidance, in partial fulfilment of the requirement for the award of the Degree of Bachelors of Engineering (**Electronics and Telecommunication**) of the University of Pune.

Prof. L. B. Chaudhari	Prof. L. K. Wani	Prof. A. B. Wani	DR. R. N. Patil
(Project Guide)	(Project Coordinator)	(HOD ENTC)	(Principal)

External Examiner

Date: 03/06/2023

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BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERINGLAVALE
PUNE-412115, INDIA

Department of (Electronics and Telecommunication)

CERTIFICATE

This is to certify that the project entitled

"GARBAGE SEGREGATION AND MANAGEMENT SYSTEM"

Submitted by

Swati Amrutkar	**(B191113003)**
Kakade Shubhangi	**(B191113009)**
Rupali Shinde	**(B191113019)**
Vedika Sonparote	**(B191113020)**

Is a record of bonafide work carried out by them, under my guidance, in partial fulfillment of the requirement for the award of the Degree of Bachelors of Engineering(**Electronics and Telecommunication**) of the University of Pune.

Prof. L. K. Wani	Prof. L. K. Wani	Prof. A. B. Wani	DR. R. N. Patil
(Project Guide)	(Project Coordinator)	(HOD ENTC)	(Principal)

External Examiner

Date: 2/6/23

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BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING
LAVALE
PUNE-412115, INDIA

CERTIFICATE

This is to certify that the project entitled "Grinding Machine For Grains" Submitted by Alisha Singh (B191113002), Janhavi Gudadhe (B191113007) ,Pushkaraj Vernekar (B191113016)

is a record of bonafide work carried out by them, under my guidance, in partial fulfillment of the requirement for the award of the Degree of Bachelors of Engineering(**Electronics and Telecommunication**) of the University of Pune.

Prof. L. B. Chaudhari
(Project Guide)
Dept. of E&TC Engineering

Prof. L. K. Wani
(Project Coordinator)
Dept. of E&TC Engineering

Prof. A.B Wani
(Head Of Department)
Dept. of E&TC Engineering

External
Examiner

Prof.R.N. Patil
(Principal)
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Lavale, Pune - 412 115

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING
LAVALE
PUNE-412115, INDIA



CERTIFICATE

This is to certify that the Project Report entitled ***Wireless Electronic Notice Board*** submitted for the partial fulfillment of the requirement for the fourth year course of BE Electronics and Telecommunication of University of Pune; is a bonafide work carried out during the academic year 2022-2023.

Prof.A.B.Wani
(Project Guide)
Department of E&TC Engineering

Prof.Lalita Wani
(Project Coordinator)
Department Of E&TC Engineering

Prof.A.B.Wani
(Head of Department)
Department of E&TC Engineering

External
Examiner

Dr.R.N.Patil
(Principal)
BVCOEL.

Date: 03/06/23

Head
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Engineering
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BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING
LAVALE PUNE-15
Department of Computer Engineering
B.E. Project Group List Sem-I (2022-23)

Sr. No	Group ID	Roll No.	Name of the Student	Project Type (Industry Sponsored/ Entrepreneur/ Internal Project)If sponsored mention company name)	Domain of the Project	Title Of the Project	Name of the Internal/External Guide
1	GID- 1	6	Abhishek Khot	Internal Project	Machine Learning	Stroke prediction based on input parameter like 1)Gender 2)Age 3)Various diseases 4)Smoking status etc.	Prof.M.A.Patil
		46	Buddhaprakash Patil				
		54	Aditya Chankhore				
		71	Yogesh Khandekar				
2	GID- 2	34	Ruchika D Khekare	Industry Sponsored Company Name: Phi Education. Pune	Web application	Online Platform for taking Coding Interviews	Prof.P.J.Chate
		36	Payal S Parshive				Ashwin Agrawal (Mob no.9011043630)
		69	Pranshu Verma				
		70	Abhimanyu Prakash				
3	GID- 3	41	Neel More	Industry Sponsored Company Name: Softech Solutions, Pune	Deep Learning	Developing an AI based system that can determine the type of damage and can improve the way road conditions are evaluated	Prof.P.M.Kadam
		42	Ketan Borse				Trupti (Mob no.8070077070)
		43	Kunal Nagre				
		45	Ketan SBarahate				
4	GID- 4	18	Aditya Chandhoke	Internal Project	Artificial Intelligence, Machine Learning	Detection of human bodies in an underwater environment.	Dr.U.C.Patkar
		60	Muskan Kumari				
		67	Namokar Jain				
		68	Abhijeet Jain				
5	GID- 5	7	Aryan Venugopal Nair	Internal Project	Deep Learning	Classification and detection of brain tumor and alzheimer's using CNN and ML.	Prof.A.R.Patil
		55	Alan M Panicker				
		56	Suraj Thube				
		80	Kaushal Apastambh				
6	GID- 6	23	Sushma U Pharate	Internal Project	Mobile App Development	Develop a E-commerce Mobile App that enables students to generate bus pass using mobile app	Prof.S.S.Pawar
		26	Vishakha B Shinde				
		37	Aarya Sonawane				
		47	Vrushali S Ubale				
7	GID- 7	16	Shubham Songire	Industry Sponsored Company Name:DRDO, Pune	IoT,Data Science	Autonomous Navigation Vehicle	Dr.U.C.Patkar
		17	Hrishikesh Kothawade				
		73	Vaishnavi Mandhalkar				Nirja Thakur (Mob:- 9552651619)
		74	Aayush Chavan				

8	GID- 8	3	Jayesh Patil	Internal Project	Machine Learning	Jewellery Recommendation System by using Machine Learning Algorithm	Prof.P.J.Chate
		24	Damini Borude				
		29	Rutuja Kurale				
		66	Kunal Vijay Patil				
9	GID- 9	13	Avinash Dhakane	Internal Project	Data Science,DBMS	Crop Prediction using Machine Learning	Prof.Y.V.Kadam
		16	Rushikesh D Baravkar				
		44	Sohan G Chaudhari				
		72	Shubham Bhosle				
10	GID-10	10	Kaustubh Pardhi	Internal Project	Web Technologies, BlockChain	Skill Based Evaluation and Recruitment Application	Prof.P.J.Chate
		11	Mayur Mahajan				
		12	Onkar Kotule				
		15	Pushkar Bopanwar				
11	GID-11	2	Aastha Dwivedi	Internal Project	Blockchain and Database	Land Registry system using blockchain technology	Prof.A.M.Ingole
		5	Siddhi Soni				
		48	Manthan Deshmukh				
		50	Siddharth Kanade				
12	GID-12	52	Akanksha Negi	Internal Project	Machine Learning, Block Chain	One stop software solution for an individulas education and work identity using software development	Dr.U.C.Patkar
		53	Sidhant S Mundhe				
		57	Karan S Ransing				
		59	Abritti Roy				
13	GID-13	8	Tushar Rokde	Internal Project	Web Technology	Develop a Web Application For Collaborative Coding	Prof.P.D.Pawar
		9	Saurabh Vitthal Bhalerao				
		27	Pathan Adnan Khan				
		40	Nikhil Kumar				
14	GID-14	78	Hasan Khan	Internal Project	Web Development	Develop a Real Time Web Application which suggests which Stocks to Buy and which to Sell in real time for investors	Prof.P.D.Pawar
		79	Aliasgar Taksal				
		81	Samrat Pate				
		83	Bankar Pranay Sanjay				
15	GID-15	21	Sanyogita Paimode	Internal Project	Deep learning, Web Technology	Pothole detection and drowsiness detection system	Prof.S.S.Pawar
		22	Shraddha Shirole				
		25	Divya Raut				
		31	Sandhya sawalkar				
16	GID-16	82	Archit Das	Internal Project	Data Science	Detection of gender through retina of an eye	Prof.A.R.Patil
		65	Sushil kumar				
		77	Abhay pratap singh				
		76	Sanket gaikwad				
17	GID-17	4	Darshan Amrutkar	Industry Sponsored Company Name: Phi Education, Pune	Web technology and machine learning	Online system for creating interactive textbooks and notebooks	Prof.Y.V.Kadam
		62	Shashank Kumar Gupta				
		63	Shubit Mattoo				
		64	Akhil Goplani				

18	GID-18	49	Mirza Wasim Baig	Internal Project	Web Technologies	Image and Text Encrypted data with Authorised Duplication in Cloud	Prof.M.A.Patil
		51	Tanmay Toge				
		58	Yuvraj Khedkar				
		75	Farhana Tashewale				
19	GID-19	30	Niyati Wagh	Industry Sponsored Company Name: Phi Education, Pune	Artificial Intelligence, Machine Learning	Credit Card Fraud Detection using AI / ML	Prof.A.M.Ingole
		32	Shrishti S Nandnawar				
		33	Janhavi Raut				Ashwin Agrawal (Mob no.9011043630)
		35	Ruchita Bharsakale				
20	GID-20	20	Sonali Patil	Internal Project	Data Science	Secure File Access System App	Prof.P.M.Kadam
		38	Pratiksha Korde				
		38	Rutuja Amrutkar				
21	GID-21	1	Tejas Langote	Internal Project	Data Science	Bridge Crack Detection through Convolution Neural Network	Prof.A.M.Ingole
		19	Ketan Sonawane				
		28	Hrishikesh Pawar				
		61	Krushna Zamwar				

Prof.P.J.Chate
Project Co-ordinator

Dr.U.C. Patkar
H.O.D.

Dept. of Computer Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

Head
Dept. of Computer Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

B.E. PROJECT REPORT ON

SMART ROAD DAMAGE DETECTION AND WARNING

SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE
IN THE PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE AWARD OF THE DEGREE

OF

BACHELOR OF ENGINEERING (COMPUTER ENGINEERING)

SUBMITTED BY

KUNAL NAGARE	B191114245
KETAN BORSE	B191114217
NEEL MORE	B191114247
KETAN BARAHATE	B191114211



DEPARTMENT OF COMPUTER ENGINEERING

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING,
LAVALE, TAL. MULSHI, RAUT WADI, 412115

SAVITRIBAI PHULE PUNE UNIVERSITY 2022 -2023

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SAVITRIBAI PHULE PUNE UNIVERSITY

2022 -2023

CERTIFICATE

This is to certify that the project report entitles

"SMART ROAD DAMAGE DETECTION AND WARNING"

Submitted by

KUNAL NAGARE	B191114245
KETAN BORSE	B191114217
NEEL MORE	B191114247
KETAN BARAHATE	B191114211

is a bonafide student of this institute and the work has been carried out by him under the supervision of **Prof. Pratima Kadam** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

(Prof. Pratima Kadam)
Guide
Department of Computer Engineering

(Dr. U. C. Patkar)
Head,
Department of Computer Engineering

(Dr. R.N.Patil)
Principal,
BVCOEL, PUNE

External Guide
[Dr. V.R.Joshi]

Place : Pune
Date :

B.E. PROJECT REPORT ON

"ONLINE PLATFORM FOR TAKING CODING INTERVIEW"

SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE
IN THE PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE AWARD OF THE DEGREE

OF

BACHELOR OF ENGINEERING (COMPUTER ENGINEERING)

SUBMITTED BY

ABHIMANYU PRAKASH	Exam No : B191114204
RUCHIKA KHEKARE	Exam No : B191114234
PAYAL PARSHIVE	Exam No : B191114251
PRANSHU VERMA	Exam No : B191114258



DEPARTMENT OF COMPUTER ENGINEERING

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING,
LAVALE, TAL. MULSHI, RAUT WADI, 412115

SAVITRIBAI PHULE PUNE UNIVERSITY 2022 -2023

SAVITRIBAI PHULE PUNE UNIVERSITY

2022-2023

CERTIFICATE

This is to certify that the project entitles

" ONLINE PLATFORM FOR CODING INTERVIEWS"

Submitted by

ABHIMANYU PRAKASH	**EXAM NO: B191114204**
RUCHIKA KHEKARE	**EXAM NO: B191114234**
PAYAL PARSHIVE	**EXAM NO: B191114251**
PRANSHU VERMA	**EXAM NO: B191114258**

is a bonafide student of this institute and the work has been carried out under the supervision of **Prof. P. J. CHATE** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

(Prof. P.J.Chate)
Guide
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16/1/2023

(Dr. U. C. Patkar)
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(Dr. R.N.Patil)
Principal
Bharati Vidyapeeth's College of Engineering Pune

Place : Pune
Date : 01/06/23

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING
LAVALE PUNE-15
Department Of Computer Engineering

B.E. Project Guide Allocation List Sem-I (2021-22)

Sr.No	Group ID	Roll No.	Name of the Student	Project Type (Industry Sponsored/ Entrepreneur/ Internal Project)If sponsored mention company name)	Domain of the Project	Name of the Internal Guide
1	GID- 1	5	Shubham C. Bhavsar	Industry Sponsored Company Name:	Cloud Computing, Computer Vision	Prof.U.C.Patkar
		6	Harshit Panse			
		7	Chandramani Pandey			
		9	Priyanshu P Singh			
2	GID- 2	12	Tushar Sharma	Industry Sponsored Company Name: Indian Meteorological Department,Pune (IMD)	Web Development,Data Science	Prof.P.J.Chate
		13	Vaibhav Kaushik			
		14	Huzaif U. Mujawar			
		15	Utkarsh T. Shinde			
3	GID- 3	25	Prashant A. Adhav	Industry Sponsored Company Name: E-maestro Technologies, Pune	AI & Machine Learning	Prof.P.D.Pawar
		26	Shravani Tonge			
		27	Manali Choudhari			
		28	Madhura Naik			
4	GID- 4	1	Rohit Mane	Industry Sponsored Company Name: Mass Technologies, Pune	Web Development/ App Development	Prof.S.S.Pawar
		24	Jayesh N. Bachher			
		34	Sanket P. Udanshiv			
		39	Nihal R. Tonpe			
5	GID- 5	29	Kedar R Nalawade	Industry Sponsored Company Name:	AR,VR,Data Science	Prof.P.J.Chate
		35	Mahesh S. Navarkar			
		36	Saurabh Dharwadkar			
		41	Yash D. Suchak			

6	GID- 6	16	Sanskar R Maske	Industry Sponsored Company Name: Indian Meteorological Department,Pune (IMD)	Data Science OpenCV, Web Development	Prof.U.C.Patkar
		19	Gaurav I Sadawarti			
		23	Rushikesh G Mengade			
		63	Saffa Ahmad			
7	GID- 7	51	Omkar Balaji Yerme	Industry Sponsored Company Name:	Machine Learning,Data Science	Prof.Y.V.Kadam
		52	Pisal Shubham Suresh			
		54	Shraddha G Phalke			
		59	Omkar Hallappa Pujari			
8	GID- 8	17	Sankalp R Poinwar	Industry Sponsored Company Name: Indian Meteorological Department,Pune (IMD)	Data science	Prof.A.M.Ingole
		18	Praful katare			
		21	Hritika Srivastava			
		22	Jamadar Nikita Amogsiddh			
9	GID- 9	40	Avinash Shukla	Industry Sponsored Company Name: Indian Institute Of Knowledge, Pune	Data Science	Prof.Y.V.Kadam
		66	Saneeka Bhilare			
		72	Preeja Nair			
		60	Suryawanshi Shubham			
10	GID- 10	43	Pranita S Thorawase	Industry Sponsored Company Name: Speed Techserve Pvt.Limited, Pune	Data Science, Cloud Computing	Prof.A.R.Patil
		47	Kalwale rajeshri rameshwar			
		64	Rutuja Hiwase			
		69	Harshita Kaushik			
11	GID- 11	32	Kakade Tejashree G	Industry Sponsored Company Name: Mass Technologies, Pune	Machine Learning,Web Development	Prof.P.P.Salunkhe
		33	Supriya Y Wabale			
		37	Amisha S Vasaikar			
		38	Pratiksha U Mogale			
12	GID- 12	46	Kunal Sunil Bhadane	Industry Sponsored Company Name: KRIOS ISPL, Pune	Web Development	Prof.P.M.Kadam
		48	Devesh Tushar Vaidya			
		53	Ashwini Avinash Patil			
		44	Sakshi kale			
13	GID- 13	61	Omkar Sunil Sonawane	Industry Sponsored Company Name: Speed Techserve Pvt.Limited, Pune	Data science	Prof.M.A.Patil
		56	Vaibhav Sopan Margaje			
		20	Thombare Rushikesh Bramhdev			
		62	Patil Abhishek Hanumant			

14	GID- 14	2	Prateek Bajpai	Industry Sponsored Company Name: Mass Technologies, Pune	Data science & Machine Learning	Prof.M.A.Patil
		10	Harsh Shrivastav			
		11	Suryawanshi Nikhil S			
		31	Asmita Orse			
15	GID- 15	3	Onkar M Babhale	Internal Project at BVCOEL,Pune	Data science	Prof.A.R.Patil
		4	Riya Makade			
		30	Swadesh Kanti Roy			
		42	Ayush Chaturvedi			
16	GID- 16	45	Trupti Prakash Shinde	Internal Project at BVCOEL,Pune	Machine Learning	Prof.S.S.Pawar
		49	Gauri Baburao Kolekar			
		50	Mulla Shaheen Mehaboob			
		65	Bhagyashree patil			
17	GID- 17	55	Shreyash M. Bagal	Internal Project at BVCOEL,Pune	Machine Learning, Data Science	Prof.A.M.Ingole
		57	Shah Meheran Ahmed			
		58	Atharva Pande			
		68	Peeyoosh Chauhan			
18	GID- 18	8	Pem Tshering	Internal Project at BVCOEL,Pune	Machine Learning	Prof.P.P.Salunkhe
		67	Yashwant Chavan			
		71	Dharamchand Pawar			
			Nischal keshari			

Prof.P.J.Chate
Project Co-ordinator

Dept. of Computer Engineering
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Lavale, P

Prof.U.C. Patkar
H.O.D.

Head
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Lavale, Pune - 412 115

A PRELIMENERY REPORT ON

PREDICITING PRESENCE OF HEART DISEASES USING CLASSIFICATION MACHINE LEARNING MODEL

SUBMITTED TO THE SAVATRIBAI PHULE PUNE UNIVERSITY, PUNE IN THE PARTIAL FULLFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF THE DEGREE

OF

BACHELORS OF ENGINEERING (COMPUTER ENGINEERING)

SUBMITTED BY

Abhishek Hanumant Patil	71923109E
Omkar Sunil Sonawane	72011304M
Vaibhav Sopan Margaje	71923091J
Rushikesh Bramhdev Thombare	71923137L



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DEPARTMENT OF COMPUTER ENGINEERING

BHARTI VIDHYAPEETH'S COLLEGE OF ENGINEERING
TAL.MULSHI, RAUTWADI, LAVALE -412115
SAVATRIBAI PHULE PUNE UNIVERSITY
2021-22

CERTIFICATE

This is to certify that the project report entitles

"PREDICITING PRESENCE OF HEART DISEASES USING CLASSIFICATION MACHINE LEARNING MODEL"

Submitted by

Abhishek Hanumant Patil	71923109E
Omkar Sunil Sonawane	72011304M
Vaibhav Sopan Margaje	71923091J
Rushikesh Bramhdev Thombare	71923137L

is a Bonafide student of this institute and the work has been carried out by them under the supervision of **Prof. Megha Patil** and it is approved for the partial fulfillmentof the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

20/5/22

Prof. Megha Patil
Guide,

20/5/2022

Prof. Dr. U.C. Patkar
Head,
Dept. of Computer Engineering,
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Prof. Dr. R. N. Patil
Principal,
Bharti Vidyapeeth's College of Engineering, Pune

Dr. R. N. Patil
I/C PRINCIPAL
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Head
Dept. of Computer Engineering
College of Engineering

BHARATI VIDYAPEETH'S

COLLEGE OF ENGINEERING

LAVALE PUNE-15

Department Of Computer Engineering

B.E. Project Guide Allocation List Sem-I (2020-21)

Sr. No	Group ID	Roll No.	Name of the Student	Project Type (Industry Sponsored/ Entrepreneur/ Internal Project)If sponsored mention company	Project Title	Domain of Project	Name of the Internal Guide	Name of the Extenal Guide/Mobile no.	
1	GID-1	18	SOURAV GUPTA	Industry Sponsored Company Name: *Defence Research & Development Orgnisation,Pune (DRDO)*	Underwater Bed Profile Generation	Computer Graphics, Robotics	Prof.U.C.Patkar	Mrs. Nirja. M. Thakur	9552651619
		19	SHRUTI RAJENDRA KASHYAP						
		20	YASHASVI GANESH AYANE						
		51	GORE SHANKAR LAXMAN						
2	GID-2	11	BARDIYA BHAVESH RAJENDRA	Industry Sponsored Company Name: KRIOS ISPL. Pune	Organ Donation Community using Salesforce	Salesforce	Prof.U.C.Patkar	Ketan Badhan	+91 88304 17366
		12	UTKARSH VIJAY ROKADE						
		15	CHOUGALE SOURABH RAJENDRA						
		21	GAURAV SHIVAJI BORADE						
3	GID-3	5	PRATEEK SRIVASTAVA	Industry Sponsored Company Name: Indian Meteorological	Develop a software product for Airport Traffic Control present in the	Software Development	Prof.M.A.Patil	Mr.Sunil Varpe	94225 30521
		27	SNEHA MENON						
		53	WANI BHUSHAN PRADIP						

		57	UTKARSH SHUKLA	Department,Pune (IMD)	approximate 79 Airports				
4	GID-4	6	ANJALI KUMARI	Industry Sponsored Company Name: Indian Meteorological Department,Pune (IMD)	Develop a cross platform Client-Server DCWIS software for INDIAN METEOROLOGICAL DEPARTMENT's Instrument division, Aviation department	Software Development	Prof.P.J.Chate	Mr.Sunil Varpe	94225 30521
		13	SHWETALI SHANKAR BHAGWAT						
		42	AKANKSHA YADAV						
		44	HARSH DHAR						
5	GID-5	2	SAMIRAJ DHANANJAY	Industry Sponsored Company Name: Indian Meteorological Department,Pune (IMD)	IMD Radiation Database System	Database Management	Prof.K.Bala	Mr.Sunil Varpe	94225 30521
		8	SHITOLE POOJA RAJARAM						
		31	NAGARE VAISHNAVI TANAJI						
		62	SHUBHAM BHARATI						
6	GID-6	1	BISHAL PAL	Industry Sponsored Company Name: E-maestro Technologies, Pune	Dairy farm management system	Web Development , IoT	Prof.P.D.Pawar	Shruti	9421765928
		10	BIRARI SHUBHAM PRAKASH						
		14	NERKAR NIKHIL KESHAORAO						
		33	GADADE MUKUND						
7	GID-7	23	REDDY SUKANYA NAGRAJ	Industry Sponsored Company Name: Mass Technologies, Pune	Credit Card Fraud Detection Using AdaBoost and Majority Voting	Machine Learning	Prof.Y.V.Kadam	Mr. Millimd Ankaleshwar	9096003392
		40	SOPAN ASHOKRAO BHORE						
		59	RAJKIRAN RAJESH SAKHARE						
		61	SHRUTI SHARMA						

8	GID-8	30	BOBADE NEHA VIJAY	Industry Sponsored Company Name: N K Technologies	Digital Library System using Hadoop	Bid Data	Prof.A.M.Ingole	Mr.Vinod Thete	9673921886
		41	AKSHADA SURESH ANGRE						
		43	GHARGE ASHLESHA MOHAN						
		52	KUBERKAR RAJNANDINI SOMNATH						
9	GID-9	48	UKARANDE ABHIJIT ASHOK	Industry Sponsored Company Name: Softezi solutions,Pune	Multi Vendor Mobile Application for providing delivery services of essential things such as Grocery,	Mobile application development	Prof.S.S.Pawar	Shreeyansh Parihar	8600732432
		58	RAMTEKE MAMTA						
		60	BIRADAR OMKAR						
			SANKET JOSHI						
10	GID-10	24	ADARKAR HARSHAL	Industry Sponsored Company Name: ANG INLINE Pvt. Ltd. Kerala		Mobile App Development	Prof.Y.V.Kadam	Adersh SJ	9946688284
		25	NIKAM SOURABH DILIP						
		26	BAVANE AKSHAY ANKUSH						
		28	MADAKE RUSHIKESH						
11	GID-11	7	ZIMBRE PRATIK GAUTAM	Industry Sponsored Company Name: Unitglo Solutions,Pune	Android application for automobile repair services	Android App Development	Prof.P.P.Salunkhe	Mr.Suraj Kakde	7387511539
		9	JITENDRA CHOUDHARY						
		37	ATHARV PRAMOD JANGAM						
		39	KALE SANDESH RAJENDRA						
12	GID-12	16	RUSHIRAJ CHAVAN	Industry Sponsored Company Name: L & D Infotech,Pune	A webapp on voice cloning and text to speech conversion based on AI	Artificial Intelligence, Neuro-linguistic programming	Prof.A.R.Patil	Chaitali Bhalerao	9767672283
		22	JADHAV VIPUL SANTOSH						
		29	ASHUTOSH PATTANAYAK						
		46	YOGESH RAJESH TEKAM						

13	GID-13	3	APURVA GARUD	Industry Sponsored Company Name: SSP Technology,Pune	Stock prediction using artificial neural network	Artificial Intelligence	Prof.A.M.Ingole		
		32	SHREERAME SWAPNIL KESHAVRAO						
		56	MAHAJAN OMKAR DHANANJAY						
		65	REVTI KALE RAGHUNATH						
14	GID-14	35	KUMBHAR MAHESHWAR MARUTI	Industry Sponsored Company Name: Bolt Technology Pvt.Limited, Pune	Model for a Crime Scene Perception Network for Video Surveillance Based On Machine Learning	Data science & Machine Learning	Prof.P.M.Kadam	Pushkar Kulkarni	9503038305
		47	GHATOL MEGHA PURUSHOTTAM						
		54	SATHE GAURAV ROHIDAS						
		63	SAKSHI MOHANRAO HOOD						
15	GID-15	4	SANKET ANIL WAKADE	Industry Sponsored Company Name: Bolt Technology Pvt.Limited, Pune	COVID -19 future forecasting using supervised Machine learning models	Machine Learning	Prof.P.J.Chate	Pushkar Kulkarni	9503038305
		36	JADHAV PRASAD BHAUSAHEB						
		38	PRATHAMESH KSHIRSAGAR						
		55	KARPE SAURABH SANJEEV						
16	GID-16	17	SHWETA BOLKE	Industry Sponsored Company Name: Bolt Technology Pvt.Limited, Pune	Depression detection model using sentiment analysis in micro-blog social network	Data Mining	Prof.K.Bala	Pushkar kulkarni	9503038305
		45	KIRAN ASHOK MULE						
		64	TASHEWALE FARHANA ABDULKADAR						
		50	KULTHE DARSHAN KISHOR						

17	GID-17	34	RACHATTE ADITYA	Industry Sponsored Company Name: Sansoft technology,Pune	Attendance management with face detection using deep framework	Machine learning, deep learning	Prof.A.R.Patil	Mr.Pravin jadhav	8856823361
		49	YALDANDI ROHANSH ASHOK						
			TUSHAR GOUDA						
			NISHHAL KESHARI						

Prof.P.J.Chate

Project Co-ordinator

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BE (COMPUTER ENGINEERING)
FINAL YEAR PROJECT INFORMATION
ACADEMIC YEAR 2019-2020

Sr. No.	Group ID	Roll Number	Name of the Student	Industry Sponsored (Yes/No)	If Yes, Name of Industry	Project Title	Name of Internal Guide	Name of External Guide (if applicable)
1	GID-1	16	Vaishnavi Kohinkar	Yes	Austere Systems Pvt. Ltd. Akurdi	Austere Work Tracking System	Prof. Avinash Ingole	Rahul Teni
		17	Nikita Chandrapatle					
		39	Harshada Bandal					
2	GID-2	5	Akash Jadhav	Yes	Austere Systems Pvt. Ltd. Akurdi	Java Automation Framework	Prof. Kumkum Bala	Rahul Teni
		13	Akash Ari					
		46	Akash Nikam					
		32	Ram Bhongle					
3	GID-3	42	Singh Shreshthi	Yes	E-maestro Technologies, Pune	Distance Measurement using Sound Waves	Prof. Prajakta Pawar	Mrs. Sumedha Sahastrabuddhe
		3	Prajwal Tendukar					
		34	Adesh Potdukhe					
4	GID-4	2	Navneet Rajhans	Yes	R&DE Engers	Under water Bed profile Generation	Prof. U.C.Patkar	Mrs. Neerja M Thakur
		4	Pooja Gautam					
		10	Manish Mathnikar					
		30	Nikita Pawale					
5	GID-5	25	Ravina Solanke	Yes	Mass Technologies	Mobile Application for Society Security System	Prof.Kumkum Bala	Mr.Milind Ankleshwar
		1	Jyoti Gadekar					
		24	Shubhangi Lohar					
		18	Akshay Taware					
6	GID-6	20	Himaanshu Saraf	Yes	HCL Technologies Ltd.	HSPM Solutions	Prof. Y.V. Kadam	Mr. Sandeep Bansal
		38	Sajeed Nisar Shaikh					
		35	Aryaman Gaur					
		36	Sushant Santosh Gijbile					
7	GID-7	58	Jadhav kiran	Yes	Granduer Infotech Servies Pvt. Ltd.	Web Application for Logistic Transport System and Live Location Tracking	Prof. Megha patil	Chetan Jadhav
		41	Rohit bhande					
		43	Rahul chinchole					
		45	Nitesh Dure					

Head
Dept. of Computer Engineering
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BE (COMPUTER ENGINEERING)
FINAL YEAR PROJECT INFORMATION
ACADEMIC YEAR 2019-2020

Sr. No.	Group ID	Roll Number	Name of the Student	Industry Sponsored (Yes/No)	If Yes, Name of Industry	Project Title	Name of Internal Guide	Name of External Guide (if applicable)
8	GID-8	27	Apurva Vavale	Yes	Mass Technologies	Conjunctive Keywords Search With Time Enabled Proxy Re-Encryption Function For E-Health Cloudes	Prof. P.P.Salunkhe	Mr.Milind Ankleshwar
		28	Purva Vavale					
		29	Kalpeksha Surve					
		31	Juilee Kudale					
9	GID-9	7	Vikas Lohtia	Yes	India Meteorological Department,Pune	Weather Monitoring System	Prof. U. C. Patkar	Mr. Sunil Varpe
		8	Pragati Yadav					
		9	Bageshree Khare					
		11	Rugved Durbade					
10	GID-10	12	Vrushali Hippargi	Yes	India Meteorological Department,Pune	DRISHTIKON	Prof. U. C. Patkar	Mr. Sunil Varpe
		54	Mahima Mashru					
		47	Shubham Datta					
		33	Shashank Agrawal					
11	GID-11	22	Damini Pawar	Yes	Web Minds IT Solution, Pune	E-Smart Voting System Using Cryptography	Prof. Ajit Patil	Mrs. Snehal Dhokte
		26	Sanyukta Lakkam					
		23	Minesh Ahirekar					
		21	Yash Pachorkar					
12	GID-12	6	Kriti Gauraha	Yes	Global Hub Technology, Pune	Privacy-Preserving Multi-Keyword Top-k Similarity Search Over Encrypted Data	Prof. Sanket Pawar	Dr. Shailesh Jagtap
		19	Apurva Hajare					
		14	Ankit Ghatole					
13	GID-13	55	Sumit Kumar	Yes	Udacity	Fraud Analysis through ML Algorithm	Prof. Y.V. Kadam	Mr. Akshit Jain
		53	Pankaj Rodge					
		60	Rhushikesh Randive					
14	GID-14	50	Ritesh kalane	Yes	Master Globe Tech Services , Baner , pune	E-bug Tracking	Prof. Avinash Ingole	Mr.Nagraj Tondchore
		49	Pushkaraj Thakur					
		52	Kshitija Hole					
15	GID-15	51	Siddhant Dixit	Yes	Rayer Alpha	IoT based Vehicle security	Prof.Kumkum Bala	Shishir Shetty
		44	Atul Singh					
		48	Pooja Dongapure					

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BHARATI VIDYAPEETH'S

COLLEGE OF ENGINEERING
LAVALE PUNE-15
Department Of Computer Engineering

B.E. Project Topic List Sem-I (2018-19)

Sr. No	Group ID	Roll No.	Name of the Student	Project Type (Industry Sponsored/ Entrepreneur/ Internal Project)If sponsored mention company name)	Project Title	Domain of Project	Platform/Language used	Name of internal examiner/guide	Name of External guide/Mobile No.	
1	GID-1	12	Lakhawani Raj	Industry Sponsored Company Name: Mass Technologies	Improving Storage Utilization By Image Deduplication Approach	Image Processing	Java	Prof. Kadam Y.V.	Mr.Milind Ankleshwar	9096003392
		21	Saurya Saurav							
		22	Sharma Amankumar							
2	GID-2	2	Barpatre Sanket	Industry Sponsored Company Name: Mass Technologies	Detecting Malicious data on Social Media Applications	Secure Computing	Java	Prof. Patkar U.C.	Mr.Milind Ankleshwar	9096003392
		16	Patil Shubhangi							
		18	Redekar Shubham							
3	GID-3	3	Chaudhari karan	Industry Sponsored Company Name: TechnoPlus	Anonymous and Traceable Group Data Sharing in Cloud Computing	Cloud Computing	Java	Prof.Bala K.	Mr.Agrawal Rajesh	9860923474
		15	Patil Pooja							
		28	Tete Shrunkhala							

4	GID-4	20	Satav Shubhangi	Industry Sponsored Company Name: WAB IT Software PVT. LTD.	E-Parking System based On Resource Allocation & Reservation	Data Analytics	Java	Prof.Chate P.J.	Mr.Sachin Wadile	9923084093
		23	Shitole Bhagyashree							
		25	Singh Priyanka							
5	GID-5	11	Kulkarni Deepak	Internal Project	Queue Control System Using Android Application	Big data Analytics	Android	Prof.Ingole A.M.	Nil	Nil
		14	Mahadik Rushikesh							
		26	Somani Mukund							
		5	Dahibhate Ashwini							
6	GID-6	4	Chirmade Ajay	Industry Sponsored Company Name: Sumorp pvt. Ltd.	2FA Authentication in Online Transaction Process for Cyber Security	Cyber Security	Java	Prof. Patkar U.C.		
		13	Lale Sakshi							
		17	Pawar Karunesh							
		6	Dixit Siddhant(P)							

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SAVITRIBAI PHULE PUNE UNIVERSITY A

PRELIMINARY PROJECT REPORT ON

E-PARKING SYSTEM BASED ON RESOURCE ALLOCATION AND RESERVATION

SUBMITTED TOWARDS THE FULFILLMENT OF THE REQUIREMENTS
OF

BACHELOR OF ENGINEERING (Computer Engineering)

BY

Shubhangi Satav	Exam No: B121114211
Bhagyashri Shitole	Exam No: B121114214
Priyanka Singh	Exam No: B151114209

Under The Guidance of

Prof. P. J. Chate

DEPARTMENT OF COMPUTER ENGINEERING
Bharati Vidyapeeth's College of Engineering
Lavale, Pune

Head
Dept. of Computer Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING,LAVALE, PUNE

LAVALE, NEAR PIRANGUT, PUNE, PIN - 412115

SAVITRIBAI PHULE PUNE UNIVERSITY

2018 -2019

[P-2]

CERTIFICATE

This is to certify that the project report entitles

"E-PARKING SYSTEM BASED ON RESOURCE ALLOCATION AND RESERVATION"

Submitted by

MISS. SHUBHANGI SATAV	Exam No : B151114211
MISS.PRIYANKA SINGH	Exam No : B151114208
MISS.BHAGYASHRI SHITOLE	Exam No : B151114214

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. P.J.CHATE** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

8/6/19

(Prof.P.J.CHATE)
Guide
Department of Computer Engineering
Engineering

8/6/2019

(Prof. U. C. Patkar)
Head,
Department of Computer

Head
Dept. of Computer Engineering.
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

R.N.Patil

(Dr. R. N. Patil)
Principal,
Bharati Vidyapeeth's College of Engineering, Lavale, Pune

Place : Pune
Date :

Head
Dept. of Computer Engineering
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

PROJECT APPROVAL SHEET

A Project Report Titled as

QUEUE CONTROL SYSTEM USING ANDROID

Is verified for its originality in documentation, problem statement, proposed work and implementation successfully completed by

MUKUND SOMANI	Exam No: B151114221
RUSHIKESH MAHADIK	Exam No: B151114220
DIPAK KULKARNI	Exam No: B151114219
ASHWINI DAHIBHATE	Exam No: B151114217

at

DEPARTMENT OF COMPUTER ENGINEERING

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING

SAVITRIBAI PHULE PUNE UNIVERSITY,PUNE

ACADEMIC YEAR 2018-2019

Prof.A. M. Ingole
Guide
Dept. of Computer Engg.

Prof. U. C. Patkar
H.O.D
Dept. of Computer Engg.

Head
Dept. of Computer Engineering,
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

Head
Dept. of Computer Engineering,
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115

CERTIFICATE

This is to certify that the Project Entitled

QUEUE CONTROL SYSTEM USING ANDROID

Submitted by

DIPAK KULKARNI	Exam No: B151114219
MUKUND SOMANI	Exam No: B151114221
RUSHIKESH MAHADIK	Exam No: B151114220
ASHWINI DAHIBHATE	Exam No: B151114217

is a bonafide work carried out by them under the supervision of Prof. A. M. Ingole and it is approved for the partial fulfillment of the requirement of Savtribai Phule Pune university, Pune for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

Date : 7/6/19

Prof. A. M. Ingole
Guide
Dept. of Computer Engg.

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING
AT. LAVALE
TAL. MULSHI,
DIST. PUNE
412 115

8/6/19

Prof. P. J. Chate
Project Co-ordinator
Dept. of Computer Engg.

8/6/2019.

Prof. U. C. Patkar
H.O.D.
Dept. of Computer Engg.

Dr. R. N. Patil
Principal
Bharati Vidyapeeth's COE

8/6/19

External Examiner

Head
Dept. of Computer Engineering,
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

Head
Dept. of Computer Engineering,
Bharati Vidyapeeth's
College of Engineering,
Lavale, Pune - 412 115.

Bharati Vidyapeeth's College of Engineering, Lavale, Pune412115
Department of Mechanical Engineering
List of Project and Guids for Academic Year 2021-22

Group No	Name of Students	Project Title	Guided by
1	Chetan Chorge Aditya Wankhede Aniket Shedage Pavan Thorat	Self healing Antiriot shield	Prof. Avinash Datarkar
2	Dhananjay Metangale Ketki Chandankhede Harshada Joshi Prasad Wange	Customization of multispindle multishield machine	Prof. Sagar Dhamone
3	Manoj Pradeep Naikawadi. Varadraj Kirtikumar Jagdale. Omkar Rajendra Patil. Kailas Laxman Saste	Solar power vehicles with automate braking system	Prof. Nilesh Singh
4	Omkar Kadam Kunal Mandlik Darshan Zarekar Pravin Sutar	Design and development of solar moniter system	Prof. Shankar Kadam
5	Yogesh khalane Anish arun jadhav Vishesh Kishor Bhimte Aditya Ahirrao	3D printed turbo fan jet machibne	Prof. Atish Mane
6	Kartik Sanjay Motkule Harshad Tanaji Sule Mohseen Maheboob Shaikh Sumit Dilip Koli	Design and analysis of battery braking system	Prof. Pramod Rahate
7	Chandrahas Sawant Vaibhav Baravkar Prashant Chavan Sanket Harkulkar	Design and development of smart street light with air purifier	Prof. Shankar Kadam
8	Sanju Ramkrushna Barapatre Vishal Sudesh Karale Onkar Vishnu Shete Aniket Naresh Thakre	Numerical analysis of cooling of gas turbine blade through out different geometric configuration of cooling hole	Prof. Sagar Dhamone
9	Ashutosh Dnyaneshwar Kshirsaga Omkar dattatray jamdar Biradar Abhijit Govind Akash parmeshwar sathe	Design and fabrication of gear detecting machine	Prof. Amruta Pasarkar
10	Gaurav Prakash Vanzare Rohan Ravishankar Khumse Samadhan Sukumar Virkar Akanksha sahebrao ozarkar	Design of thermal management of electric battery	Prof. S. R. Patil
11	Rinson Raju Piyush More Rohit Adepawar Snehal Ghodajkar	Design of magnetic transition system	Prof. Amruta Pasarkar

12	Siddheshwar shripad Kachare Vishal Pralhad Bangar Dnyaneshwar Kashinath Nade	Design and fabrication of electromagnetic braking system	**Prof. Nilesh Singh**
13	Aman Anand Dongre Kunal Milind Kasare Amey Raspal Meshram Tanmay Mohan Meshram	Solar and self charger powered energy vehicles	**Prof. Avinash Datarkar**
14	Shubham Patik Kareppa Pujari Manisha Suryawanshi	Design on fabrication of automatic braking failure indicator with auxillary brake system	**Prof. Atish Mane**
15	Hrithik Inamdar Mamima Naik Rohit Adepawar	Design and analysis of Nozzle for wall plastering machine	**Prof. Nilesh Raut**
16	Ashish Patkar Parajwal Patil Anuj Pawar	Design and development of Auomatic WC Cleaning machine	**Prof. Nilesh Raut**
17	Shubham More Abhijeet Deshmukh Vishal Karpe Pradunya Kokare	Automatic grain dispension and packaging machine	**Prof. Shankar Kadam**
18	Rahul Patil Bapujiprasad Das Dhebe Pradip	Design of automatic sorting machine	**Prof. S. R. Patil**

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

A Project on

"CUSTOMIZATION OF MULTI-SPINDLE TRANSFER MACHINE"

Guided By

Prof. Sagar P. Dhamone

Presented by:

Dhananjay Metangale	PRN 71923063C
Prasad Wange	PRN 71923150H
Ketki Chandankhede	PRN 71923055B
Harshada Joshi	PRN 71923081M



Department of Mechanical Engineering
Bharati Vidyapeeth's College of Engineering, Lavale, Pune(2021-22)

Bharati Vidyapeeth's College of Engineering, Lavale, Pune (2021-22)

CERTIFICATE

This is to certify that **Prasad Wange, Ketki Chandankhede, Dhananjay Metangale, Harshada Joshi** have successfully completed the Project entitled "Customization Of Multi-Spindle Transfer Machine" under my supervision, in the partial fulfillment of Bachelor of Engineering –Mechanical Engineering of University Of Pune.

Date:

Place:

Prof. S.P.Dhamone
Guide

External Examiner

Prof.S.R.Patil
Head of Department

Dr.R.N.Patil
Principal

Bharati Vidyapeeth's College Of Engineering, Lavale Pune

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

DEPARTMENT OF MECHANICAL ENGINEERING

ACKNOWLEDGEMENT

It is indeed a great pleasure and proud opportunity for us to present this project report of last year engineering at Bharati Vidyapeeth's college of engineering, Lavale, Pune. The success of this project has throughout depended upon a combination of hard work and an unending co-operation and guidance provided to us by our project guide. Ultimately no words could describe the deep sense of co-operation and ready nature to help us.

We would like to thank, Prof. R.N.Patil (Principle), Prof. S. R. Patil (H.O.D of Mechanical Department), Prof. S.P.Dhamone (Project Guide), who made very valuable guidance and co-operation during our project.

We are thankful to all the teaching and non- teaching staff of Mechanical Engineering Department for their co-operation during the project work. We are very grateful to those who in the form of books had conveyed guidance in this project work.

Dhananjay Metangale
71923063C

Prasad Wange
71923150H

Ketki Chandankhede
71923055B

Harshada Joshi
71923081M

SMT

SMART TOUCH MACHINES AND MAINTAINANCE

Add: Canwilkhed No. 1, Plot No. 25, Gat No. 1[illegible]part), Pirangut

Pune, Maharashtra - 412115

09822303338/8087403127

Email – smarttouchpune@gmail.com

This is to certify that following students from Bharati Vidyapeeth's College of Engineering Lavale Pune were working with us on their final year project titled as "Multi Spindle Transfer Machine" from the date 27/09/2021 for the next 3 months upto 27/12/2021.

Everyone did their best in understanding most of the concepts and did great part of contribution. The students are-

Dhananjay Metangale
Prasad Wange
Ketki Chandankhede
Harshada Joshi

Smart Touch Machines & Maintainance
At. Post Lavale (Pirangut)
Tal. Mulshi, Dist. Pune

BHARATI VIDYAPEETH's
COLLEGE OF ENGINEERING, LAVALE, PUNE-15

Date:-01/04/2019

Report: - National Level Project Competition - "Innovation 2019"
Date: - 28/03/19

Department of Mechanical Engineering BVCOEL Pune had organized **National Level Project Competition *"Invention-2019"***, on 28th March, **2019**, and participation was from different fields of mechanical engineering like Automobile, Refrigeration, and Solar Energy etc. Total 53 teams from various colleges participated for one day event and exhibit their projects. All the projects wear evaluated by experienced personal from academies and industry.

Chief Gust for the event was Mr. Nitin Bhagwat CEO, Nobel Cast Comp. Pvt. Ltd.

Evaluators:-

1. Mr. Nitin Gole, MD, Shree Heat Exchanger.
2. Dr. M. M. Kulkarni, Chairman for Project at SPPU, Pune.
3. Dr. V. W. Bhatkar, ISHRAE, Students Chair, Pune Chapter.

Following are the winner of the competition.

- Winner:- Cash prize of Rs. 10000.00/- was awarded to the winners.

Project Title:- Low cost Delta 3D Printer

College:- JSPM's BSIOTR, Wagholi, Pune

- 1st Runner-up:- Cash prize of Rs. 7000.00/- was awarded to the 1st runner-up

Project Title:- Design and fabrication of garbage collecting equipment integrated in Train

College:- BVCOE, Lavale, Pune

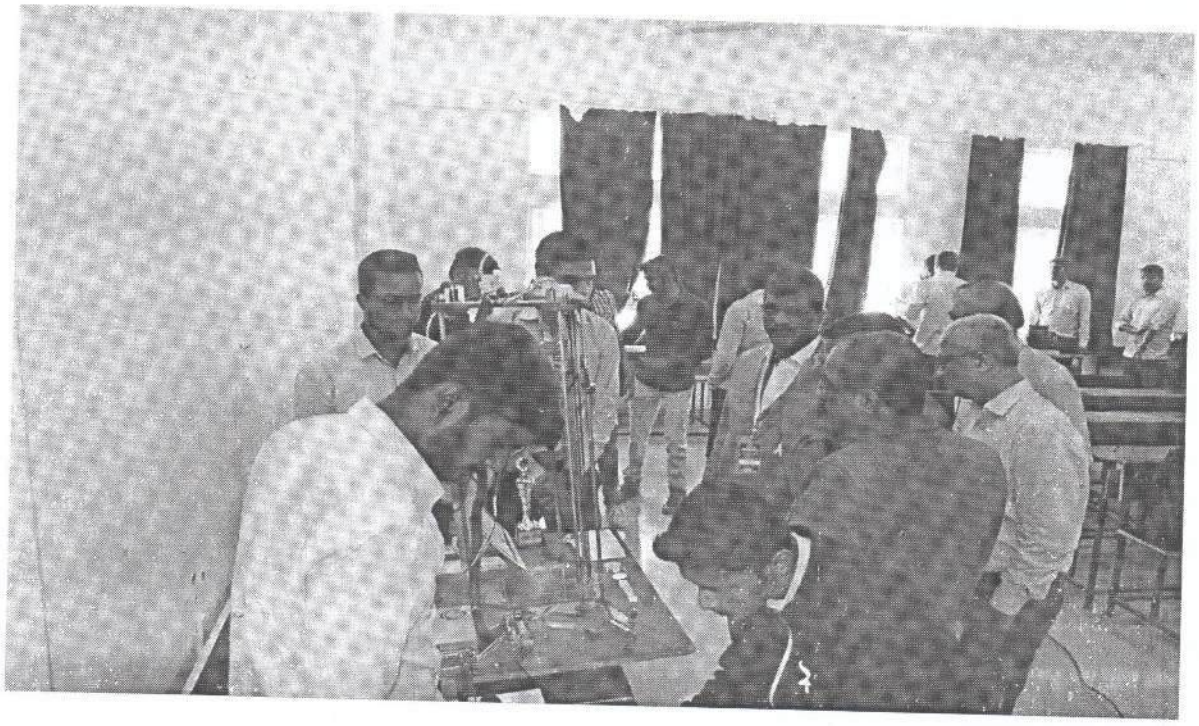
- 2nd Runner-up:- Cash prize of Rs. 5000.00/- was awarded to the 1st runner-up

Project Title:- Design and Development of Cascade Refrigeration system for Testing at Low Temperature Applications

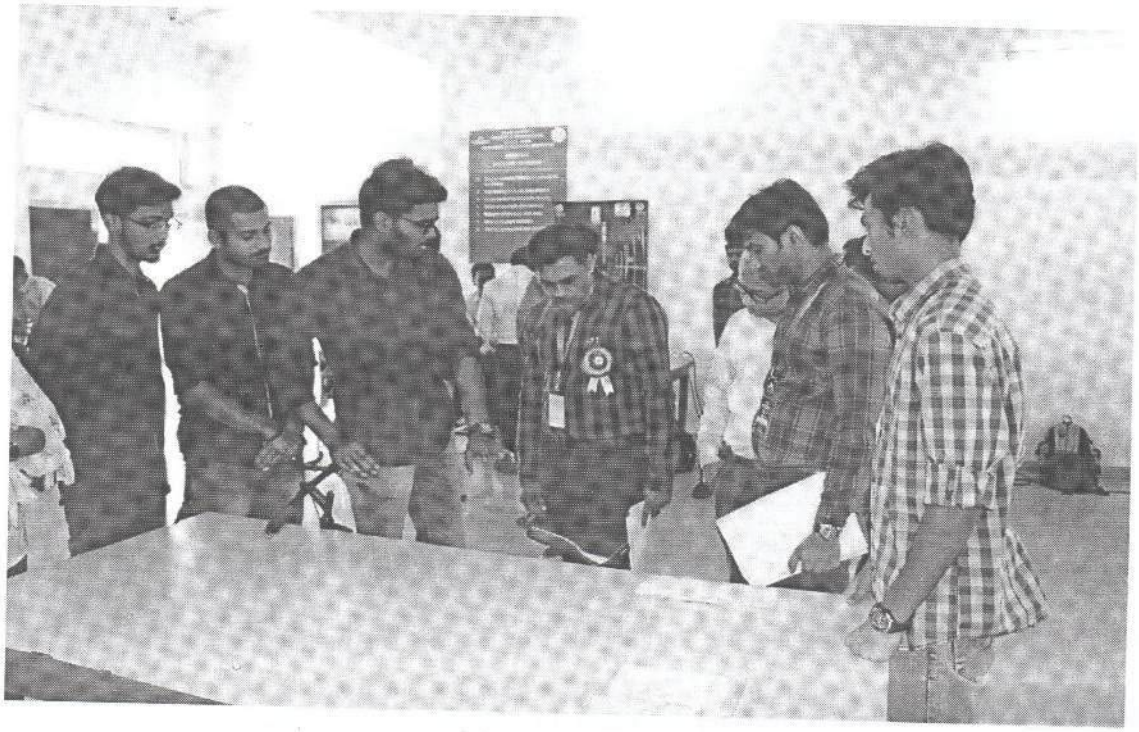
College:- Pimpri Chinchwad College of Engineering, Nigdi.



Inauguration of Exhibition Hall



Evaluation By Judges



Evaluation By Judges



Prize Distribution



Prize Distribution

H. O. D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale P

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

BHARATI VIDYAPEETH'S

COLLEGE OF ENGINEERING

LAVALE, PUNE-412115

DEPARTMENT OF MECHANICAL ENGINEERING

List of Field Projects 2020-21

Sr.No.	Name of the Student	Name Of the Company	Year
1	Aditya Wanmali	Smart Touch Machine And Maintenance	2020-21
2	Sahil Patel	Smart Touch Machine And Maintenance	2020-21
3	Kartikee Awasare	SAP Parts	2020-21
4	Shubham Walunj	SAP Parts	2020-21
5	Swapnil Kalmakar	SAP Parts	2020-21
6	Vishal Patil	Global Automotive Solutions	2020-21
7	Kkunal Kamthan	Global Automotive Solutions	2020-21
8	Shreyash Nangare	Global Automotive Solutions	2020-21
9	Yugandhar Vavale	Global Automotive Solutions	2020-21

Project Incharge

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

A Project Report on

CUSTOMIZATION AND MAINTENANCE OF 14 SPINDLE SPM

By

Mr. Aditya P. Wanmali **Mr. Sahil Patel**

Guide

Prof. Sagar P. Dhamone



Department of Mechanical Engineering

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING LAVALE, PUNE.

SMART TOUCH MACHINES AND MAINTENANCE

Add: Canwillished No. 1, Plot no 25, Gat No. 10 (part), Pirangut,

Pune, Maharashtra – 412115

09822303338/8087403122

Email – smarttouchpune@gmail.com

Date: 30/12/2020

Dear Project group members,

Mr. ADITYA P. WANMALI

Mr. SAHIL PATEL

Please refer your letter dated 30.12.20 regarding project work.

In this connection company has allowed your group no of 2 people for the project and will work with us for the same.

The company will provide you all the necessary documents and instructions for your project work in our organization.

We welcome you in our Organization and hope that your association with us will benefit mutually.

With best wishes,

For SMART TOUCH MACHINES AND MAINTENANCE

Smart Touch Machines & Maintainance
At Post Lavale (Pirangut)
Tal. Mulshi, Dist. Pune

SMART TOUCH AND MAINTENANCE

Certificate

Presented to

This is to clarify that Mr. Aditya P. Wanmali, Mr. Sahil Patel, Prof. S. P. Dhamone Bharati Vidyapeeth College of Engineering Lavale, Pune have done a project named as "CUSTOMIZATION AND MAINTENANCE OF 14 SPINDLE SPM" in the field MECHANICAL ENGINEERING Sponsored by SMART TOUCH AND MAINTENANCE year 2020-21.

Pradip Patole

Company Director

Smart Touch Machines & Maintenance
At Post Lavale (Dhanguf)
Ta. Mulshi, Dist. Pune

A Project Report
on

"Mechanical Metal Face Seal Air - Oil Leakage Testing Machine"

By

Kartikee Awasare
Shubham Walunj
Swapnil Kalamkar

Guide

Prof. S. R. Patil





Department of Mechanical Engineering
2020-21

Bharati Vidyapeeth's
College of Engineering, Lavale, Pune
BHARATI VIDYAPEETH'S COLLEGE OF

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, LAVALE, PUNE

CERTIFICATE

This is to certify that **Kartikee Awasare, Shubham Walunj, Swapnil Kalamkar** have successfully completed project work entitled **"Mechanical Metal Face Seal Air – Oil Leakage Testing Machine"** under my supervision, in the fulfilment of Bachelor of Engineering - Mechanical Engineering, of Savitribai Phule Pune University.

Date :

Place :

18.8.2021

Guide's Name : Prof. S. R. Patil
Guide

External Examiner :

18.8.2021

Head Department : Prof. S. R. Patil
And Institute Name : Bharati Vidyapeeth's College of Engineering, Pune

H. O. D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

Principal, : Dr. R. N. Patil
Institute Name : Bharati Vidyapeeth's College of Engineering, Lavale, Pune.

Bharati Vidyapeeth's College Of Engineering

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

SAP Parts Pvt. Ltd.

SAP Parts

SPONSORSHIP LETTER

Ref: /PUN/HRD/INT-SPO/20-21/01

Date: 18-Dec-2020

TO,

Bharti vidyapeeth's college of Engineering,

Lavale Pune, Maharashtra-412115.

Subject : - Sponsorship Letter

Dear Sir,

We would like to hereby confirm you that Miss. Kartikee Ranjan Awasare, Mr. Shubham Pandurang Walunj and Mr. Swapnil Prabhakar Kalamkar are the student of B.E. Mechanical from your college who has been selected for carrying out the final year project "Mechanical metal face seal air-oil leakage testing machine". They will work with our organization, from 18-Dec-2020 for 5 months. The working schedule of their project will be 6 days a week from 8:30 AM to 6:30 PM.

The details and scope of this project will be provided to them from the beginning of their tenure at the company facility. Upon successful completion of the project, they will be issued a certificate, Students will be required to submit a copy of the detailed report before completion of the project.

SAP Parts Pvt. Ltd.

SAP PARTS PRIVATE LTD

Prasad B. Kulkarni

Managing Director

Works: Survey No.1087/04, Pune-Nagar-Pimple Jagtap Road, Sanaswadi, Dist. Pune - 412208 (M.S.) INDIA
Ph. : 02137-619269/70/71 Email : sap.parts@gmail.com web : www.sapparts.com
CIN No. : U27109PN2016PTC165048

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

SAP Parts Pvt. Ltd.

INDUSTRIAL SPONSORED PROJECT COMPLETION LETTER

Ref: /PUN/HRD/INT-COM/21-22/01

Date: 30-Apr-2021

TO,

Bharti vidyapeeth's college of Engineering,

Lavale Pune, Maharashtra-412115.

Subject: - INDUSTRIAL SPONSORED PROJECT COMPLETION LETTER

This is to inform that following student have successfully completed their industrial project in the name of "Mechanical metal face seal air-oil leakage testing machine", in the academic year 2020-2021 at SAP Parts Pvt. Ltd.

Following was the scope of their project:-

1. Material selection as per design.
2. Design calculation of components.
3. Design components and assembly.
4. Bill of material.

College Name: Bharti vidyapeeth's college of Engineering, Lavale Pune-412115.

Project Name: Mechanical metal face seal air-oil leakage testing machine

Candidate Name: 1. Kartikee Ranjan Awasare

2. Shubham Pandurang Walunj

3. Swapnil Prabhakar Kalamkar

During their tenure we found above student reliable and responsible.
We wish them success in all their further endeavors!

SAP Parts Pvt. Ltd.

Prasad B. Kulkarni

Managing Director

SAP PARTS PRIVATE LIMITED

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

Works: Survey No.1087/04, Pune-Nagar-Pimple Jagtap Road, Sanaswadi, Dist. Pune - 412208 (M.S.) INDIA
Ph. : 02137-619269/70/71 Email : sap.parts@gmail.com web : www.sapparts.com
CIN No. : U27109PN2016PTC165048

A Project Report on

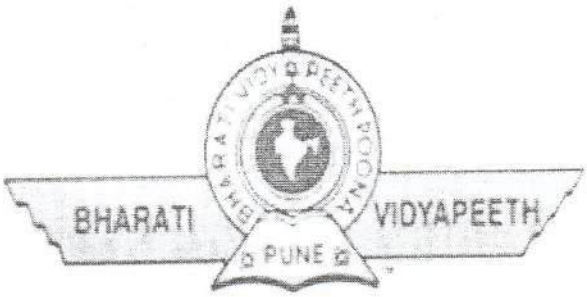
Design And Manufacturing Of Bin Shifting Machine

by

Mr. Vishal Vilas Patil
Mr. Kkunal Vinay Kamthan
Mr. Shreyas J Nangare
Mr. Yugandhar A Vavale

Guide

Prof. S. R. Patil



Department Of Mechanical Engineering

Bharati Vidyapeeth's College Of Engineering,

Lavale

[2020-21]

Bharati Vidyapeeth's College of Engineering

LavalePune.

CERTIFICATE

This is to certify that Mr. Vishal Vilas Patil, Mr. Kkunal Vinay Kamthan, Mr. Shreyas J Nangare, Mr. Yugandhar A Vavale, has successfully completed the Project Stage – II entitled **"Design and Manufacturing Of Bin Shifting Machine"** under my supervision, in the partial fulfillment of Bachelors of Engineering-Mechanical Engineering, by University of Pune.

Date:

Place: Lavale

Asst. Prof.S.R. Patil

Guide

Internal Examiner

Prof.S.R.Patil

Head of the Department

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

Dr.R.N.Patil

Principal

GLOBAL AUTOMATE SOLUTIONS

95/1, Near Swami Samartha Temple, Landge Nagar, Bhosari,
Pune-411039
Tel:-9854961313,9527083311
Email:- globalautomatesol@gmail.com Web :- www.globalautomate.in

8th May,2021

To,
Department Of Mechanical Engineering,

Bharathi Vidyapeeth College Of Engineering,

Lavale – 412115

SUBJECT- SPONSORSHIP LETTER.

Respected Sir,

We would like to hereby confirm you, that **Shreyas Nangare, Yugandhar Vavle, Vishal Patil, Kkunal Kamthan.** Are the students of B.E. MECHANICAL from your college who has been selected for carrying out the Final Year Project **"Design And Manufacturing Of Pneumatic Operated Bin Shifting Machine".** They will work with our organization from 15/5/2021 for exactly 3 months

The working schedule of their project will be 2 days a week from 11:00 am to 6.00 pm. The Details and scope of their project will be provided to them from the beginning of their tenure at the company facility. Upon successful completion of the project, they will be issued a certificate. We will be required to submit a copy of the detailed report before completion of the project.

With Regards,

Global Automate Solutions Bhosari PUNE-39

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, LAVALE -412115
CLASS:- (BE-ETC) 2021-22Term I
Project Groups

ll).	Group NO.	Name of the student	Title	Guide Name	Signature
2	1	Akash Watgure	Attendance system using Face Recognition	Prof. A. B. Wani	
17		Paritosh Pal			
23		Utpalkant Sahu			
5	2	Vaishnavi Vinodrao Deshmukh	Landslide early warning system based on arduino with soil movement and humidity sensors	Prof. S. G. Gawhale	
16		Omkar Laxman Mhadgut			
25		Ishwari Gorakh Shinde			
18	3	Himanshu Rajrsh Pardeshi	AI enabled Security Camera for Delivery agent and Security purpose	Prof. L. P. Chaudhari	
31		Ajinkya Ashok Wadbude			
34		Atharva Deepak Wanjari			
3	4	Ajay Vithalarao Bhosale	Water Quality Prediction Using Machine Learning Algorithm	Prof. L. K. Wani	
6		Priyanka Vilas Firke			
12		Prashik Nathuji Meshram			
27		Siddharth Subhash Shrivastav			
9	5	Hurtwik Sanjay Jiddewar	Built a Hit-song predictor by Scraping spotify.com,billboard.com and millionsongdataset.com	Prof. L. P. Chaudhari	
10		Rushi Yashwant Khandetod			
13		Momin Mohammad Maaz Fazlur Rahman			
1	6	Abhishek Kumar Yadav	Vehicle Crash Detection Using Machine Learning(YOLO Algorithm)	Prof. L. K. Wani	
4		Sharwari Sharad Bhosale			
15		Nili Manas Ramanmurthi			
13		Momin Mohammad Maaz Fazlur Rahman			
14	7	Priya Rajendra Naikare	Versatile Agriculture Robot	Prof. Neha S. Shahare	
19		Vaibhavi Sudhakar Patil			
22		Kajal Hanumant Raut			

11	8	Koithodathu Godson Abraham	Smart Mirror	Prof. A. B. Wani	
29		Kalpesh Vijay Toraskar			
7	9	Ritesh Sunil Gole	Fingerprint voting system	Prof. S. G. Gawhale	
20		Prateek Baban Sawant			
21		Prince			
28	10	Megha Puranbahadur Tamrakar	Smart Menu Ordering System For Hotels.	Prof. L. K. Wani	
30		Tanmay Sambhaji Vetal			
32		Rutik Shrikant Wadnerkar			
33		Akshay Ankush Walunj			
8	11	Ajay Pradeep Gupta	face Recognition door lock system	Prof. A. B. Wani	
2		Sairaj Chandrakant Sawant			
26		Mayur Ravindra Shitole			

Prof. L. K. Wani :	Prof. A. B. Wani
Project Coordinator	H.O.D.

Bharati Vidyapeeth's
College of Engineering, Lavale- 412115
Mechanical Engineering Department
BE Mech 2022-23

Group No.	Name1	Name2	Name3	Name4	Project Title	Guide Name
1	Adarsh Ramesh Gaikwad	Pushpak Narendra Patil	Om Sanjay Dhangar	Vaibhav Pandurang Suryavanshi	Design and development of portable kitchen utensil washer	AAD
2	Manish Somvanshi	Abhijeet Kadam	Avishkar yelve	Shivam dinde	Design and development of car side window wiper	PGR
3	Ashwin Vineeth Naik	Suryakant Shamrao Kadam	Sachin Gopal More	Gopal Raju Kate	Design and optimization of atomatic commercial diffrential system	NNR
4	Monali Luche	Sanket Bhosale	Robin Dsouza	Siddhant khadse	Design and development of automatic weighing and packaging machine	NRS
5	Manthan Panchakshari	Karansingh Hajari	Sahil Mate	Aashutosh Sonone	Design and development of multiple nut remover	ABM
6	Saurabh gaikwad	Pranav padole	Prathamesh dhokare	Saurabh patkotwar	Design and development of portable air conditioning	SRP
7	Ashok Kanaram Choudhary	Rushikesh Dandale	Mayur Dedwal		Automation of indexing head for drilling machine	AMP
8	Aniket Anil Bhosale	Neha sham Dhavan	Harish Santosh Nemade	Rahul Sanjay Gunjal	Design and development of fire fighting robot	SNK
9	Mayur Gumate	Dhananjay pawar	Prathamesh shinde	Devendra Mandale	Design and development dual axis wind mill power	ABM
10	Ujwal Chaudhari	Nikhil Chavan	Vipun Hazare		Design and development rocker bogie defence robot	SPD
11	Tanishq Jain	Rutooj Patil	Darshan Patel	Pawan Moon	Development of self healing composite material	SNK
12	Priyanka Halde	Sonali Jagdale	Ganesh Birajdar		Mechanical properties analysis of 3d printing parts	AMP
13	Deep Telang	Rahul satpute	Dishant Radake	Shreyash Umare	Analysis of self healing composite materials	NRS
14	Omkar Shirse	Vipul Joshi	Suyash Kambale		Analysis of self healing composite materials	SNK

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

H. O. D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

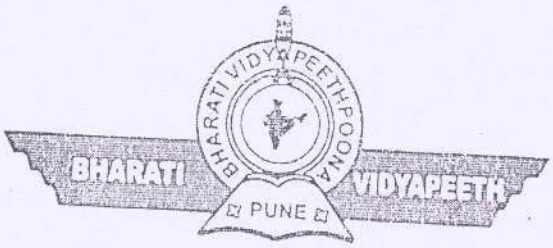
A Dissertation on

"Design and manufacturing of innovative portable Air Conditioner"

By

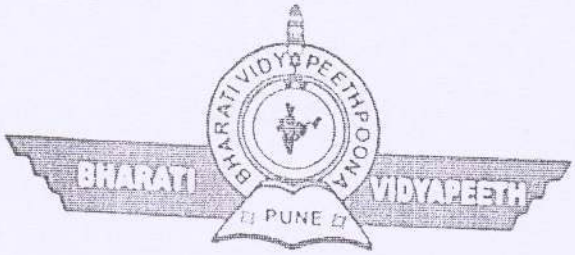
Mr. Prathamesh Somnath Dhokare (B191110811)
Mr. Saurabh Babasaheb Gaikwad (B191110813)
Mr. Saurav Sunil Patkotwar (B191110840)
Mr. Pranav Rajendra Padole (B191110838)

Guided by
Prof. S.R. Patil



Department of Mechanical Engineering
Bharati Vidyapeeth's
College of Engineering Lavale, Pune
[2022-23]

Bharati Vidyapeeth's
College of Engineering Lavale, Pune



CERTIFICATE

This is to certify that Mr. Prathamesh Somnath Dhokare, Mr. Saurabh Babasaheb Gaikwad, Mr. Saurav Sunil Patkotwar, Mr. Pranav Rajendra Padole has successfully completed the Dissertation entitled **"Design and manufacturing of innovative portable Air Conditioner"** under my supervision, in partial fulfillment of Bachelor of Engineering-Mechanical Engineering of Savitribai Phule Pune University.

Date: 01/06/2023

Place: BVCOE, Lavale

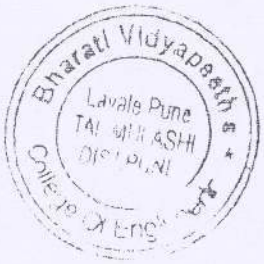
01.06.2023

Prof. S.R. Patil
Guide

External Examiner

01.06.2023

Prof. S.R. Patil
Head of Department
BVCOE Lavale, Pune



Dr. R.N. Patil
Principle
BVCOE Lavale, Pune

Bharati Vidyapeeth's College of Engineering, Lavale, Pune412115
Department of Mechanical Engineering
List of Project and Guids for Academic Year 2021-22

Group No	Name of Students	Project Title	Guided by
1	Chetan Chorge Aditya Wankhede Aniket Shedage Pavan Thorat	Self healing Antiriot shield	**Prof. Avinash Datarkar**
2	Dhananjay Metangale Ketki Chandankhede Harshada Joshi Prasad Wange	Customization of multispindle multishield machine	**Prof. Sagar Dhamone**
3	Manoj Pradeep Naikawadi. Varadraj Kirtikumar Jagdale. Omkar Rajendra Patil. Kailas Laxman Saste	Solar power vehicles with automate braking system	**Prof. Nilesh Singh**
4	Omkar Kadam Kunal Mandlik Darshan Zarekar Pravin Sutar	Design and development of solar moniter system	**Prof. Shankar Kadam**
5	Yogesh khalane Anish arun jadhav Vishesh Kishor Bhimte Aditya Ahirrao	3D printed turbo fan jet machibne	**Prof. Atish Mane**
6	Kartik Sanjay Motkule Harshad Tanaji Sule Mohseen Maheboob Shaikh Sumit Dilip Koli	Design and analysis of battery braking system	**Prof. Pramod Rahate**
7	Chandrahas Sawant Vaibhav Baravkar Prashant Chavan Sanket Harkulkar	Design and development of smart street light with air purifier	**Prof. Shankar Kadam**
8	Sanju Ramkrushna Barapatre Vishal Sudesh Karale Onkar Vishnu Shete Aniket Naresh Thakre	Numerical analysis of cooling of gas turbine blade through out different geometric configuration of cooling hole	**Prof. Sagar Dhamone**
9	Ashutosh Dnyaneshwar Kshirsaga Omkar dattatray jamdar Biradar Abhijit Govind Akash parmeshwar sathe	Design and fabrication of gear detecting machine	**Prof. Amruta Pasarkar**
10	Gaurav Prakash Vanzare Rohan Ravishankar Khumse Samadhan Sukumar Virkar Akanksha sahebrao ozarkar	Design of thermal management of electric battery	**Prof. S. R. Patil**
11	Rinson Raju Piyush More Rohit Adepawar Snehal Ghodajkar	Design of magnetic transition system	**Prof. Amruta Pasarkar**

12	Siddheshwar shripad Kachare Vishal Pralhad Bangar Dnyaneshwar Kashinath Nade	Design and fabrication of electromagnetic braking system	**Prof. Nilesh Singh**
13	Aman Anand Dongre Kunal Milind Kasare Amey Raspal Meshram Tanmay Mohan Meshram	Solar and self charger powered energy vehicles	**Prof. Avinash Datarkar**
14	Shubham Patik Kareppa Pujari Manisha Suryawanshi	Design on fabrication of automatic braking failure indicator with auxillary brake system	**Prof. Atish Mane**
15	Hrithik Inamdar Mamima Naik Rohit Adepawar	Design and analysis of Nozzle for wall plastering machine	**Prof. Nilesh Raut**
16	Ashish Patkar Parajwal Patil Anuj Pawar	Design and development of Auomatic WC Cleaning machine	**Prof. Nilesh Raut**
17	Shubham More Abhijeet Deshmukh Vishal Karpe Pradunya Kokare	Automatic grain dispension and packaging machine	**Prof. Shankar Kadam**
18	Rahul Patil Bapujiprasad Das Dhebe Pradip	Design of automatic sorting machine	**Prof. S. R. Patil**

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

A Project on

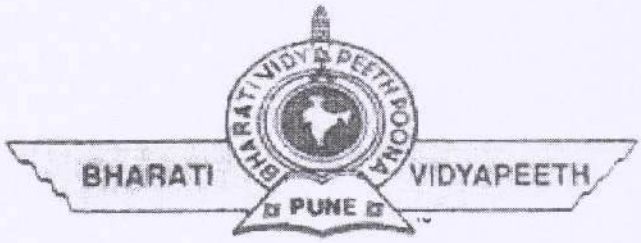
"CUSTOMIZATION OF MULTI-SPINDLE TRANSFER MACHINE"

Guided By

Prof. Sagar P. Dhamone

Presented by:

Dhananjay Metangale	PRN 71923063C
Prasad Wange	PRN 71923150H
Ketki Chandankhede	PRN 71923055B
Harshada Joshi	PRN 71923081M



Department of Mechanical Engineering
Bharati Vidyapeeth's College of Engineering,
Lavale, Pune(2021-22)

Bharati Vidyapeeth's College of Engineering, Lavale, Pune (2021-22)

CERTIFICATE

This is to certify that **Prasad Wange, Ketki Chandankhede, Dhananjay Metangale, Harshada Joshi** have successfully completed the Project entitled "Customization Of Multi-Spindle Transfer Machine" under my supervision, in the partial fulfillment of Bachelor of Engineering –Mechanical Engineering of University Of Pune.

Date:

Place:

Prof. S.P.Dhamone
Guide

External Examiner

Prof.S.R.Patil
Head of Department

Dr.R.N.Patil
Principal

College Of Engineering, Lavale Pune

DEPARTMENT OF MECHANICAL ENGINEERING

ACKNOWLEDGEMENT

It is indeed a great pleasure and proud opportunity for us to present this project report of last year engineering at Bharati Vidyapeeth's college of engineering, Lavale, Pune. The success of this project has throughout depended upon a combination of hard work and an unending co-operation and guidance provided to us by our project guide. Ultimately no words could describe the deep sense of co-operation and ready nature to help us.

We would like to thank, Prof. R.N.Patil (Principle), Prof. S. R. Patil (H.O.D of Mechanical Department), Prof. S.P.Dhamone (Project Guide), who made very valuable guidance and co-operation during our project.

We are thankful to all the teaching and non- teaching staff of Mechanical Engineering Department for their co-operation during the project work. We are very grateful to those who in the form of books had conveyed guidance in this project work.

Dhananjay Metangale
71923063C

Prasad Wange
71923150H

Ketki Chandankhede
71923055B

Harshada Joshi
71923081M

SMART TOUCH MACHINES AND MAINTAINANCE

Add. Gat-wil/plot No. 1, Plot no 25, Gat No. 80 (part), Pirangut

Pune, Maharashtra - 412115

09822303338/8087403122

Email - smarttouchpune@gmail.com

This is to certify that following students from Bharati Vidyapeeth's College of Engineering Lavale, Pune were working with us on their final year project titled as "Multi Spindle Transfer Machine" from the date 27/09/2021 for the next 3 months upto 27/12/2021.

Everyone did their best in understanding most of the concepts and did great part of contribution. The students are-

Dhananjay Metangale
Prasad Wange
Ketki Chandankhede
Harshada Joshi

Smart Touch Machines & Maintainance
At. Post Lavale (Pirangut)
Tal. Mulshi, Dist. Pune

A Project Report on

CUSTOMIZATION AND MAINTENANCE OF 14 SPINDLE SPM

By

Mr. Aditya P. Wanmali **Mr. Sahil Patel**

Guide

Prof. Sagar P. Dhamone



Department of Mechanical Engineering

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING LAVALE, PUNE.

SMART TOUCH MACHINES AND MAINTENANCE

Add: Canwillished No. 1, Plot no 25, Gat No. 10 (part), Pirangut,

Pune, Maharashtra - 412115

09822303338/8087403122

Email – smarttouchpune@gmail.com

Date: 30/12/2020

Dear Project group members,

Mr. ADITYA P. WANMALI

Mr. SAHIL PATEL

Please refer your letter dated 30.12.20 regarding project work.

In this connection company has allowed your group no of 2 people for the project and will work with us for the same.

The company will provide you all the necessary documents and instructions for your project work in our organization.

We welcome you in our Organization and hope that your association with us will benefit mutually.

With best wishes,

For SMART TOUCH MACHINES AND MAINTENANCE

Smart Touch Machines & Maintainance
At Post Lavale (Pirangut)
Tal. Mulshi, Dist. Pune

A Project Report

on

"Mechanical Metal Face Seal Air - Oil Leakage Testing Machine"

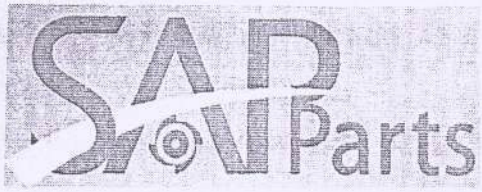
By

Kartikee Awasare
Shubham Walunj
Swapnil Kalamkar

Guide

Prof. S. R. Patil





Department of Mechanical Engineering
2020-21

Bharati Vidyapeeth's
College of Engineering, Lavale, Pune
BHARATI VIDYAPEETH'S COLLEGE OF

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, LAVALE, PUNE

CERTIFICATE

This is to certify that Kartikee Awasare, Shubham Walunj, Swapnil **Kalamkar** have successfully completed project work entitled **"Mechanical Metal Face Seal Air – Oil Leakage Testing Machine"** under my supervision, in the fulfilment of Bachelor of Engineering - Mechanical Engineering, of Savitribai Phule Pune University.

Date :

Place :

18.8.2021

Guide's Name : Prof. S. R. Patil
Guide

External Examiner :

18.8.2021

Head Department : Prof. S. R. Patil
And Institute Name : Bharati Vidyapeeth's College of Engineering, Lavale, Pune.

H. O. D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

Principal, : Dr. R. N. Patil
Institute Name : Bharati Vidyapeeth's College of Engineering, Lavale, Pune.

Bharati Vidyapeeth's College Of Engineering

SAP Parts Pvt. Ltd.

SAP Parts

SPONSORSHIP LETTER

Ref: /PUN/HRD/INT-SPO/20-21/01

Date: 18-Dec-2020

TO,

Bharti vidyapeeth's college of Engineering,

Lavale Pune, Maharashtra-412115.

Subject : - Sponsorship Letter

Dear Sir,

We would like to hereby confirm you that Miss. Kartikee Ranjan Awasare, Mr. Shubham Pandurang Walunj and Mr. Swapnil Prabhakar Kalamkar are the student of B.E. Mechanical from your college who has been selected for carrying out the final year project "Mechanical metal face seal air-oil leakage testing machine". They will work with our organization, from 18-Dec-2020 for 5 months. The working schedule of their project will be 6 days a week from 8:30 AM to 6:30 PM.

The details and scope of this project will be provided to them from the beginning of their tenure at the company facility. Upon successful completion of the project, they will be issued a certificate, Students will be required to submit a copy of the detailed report before completion of the project.

SAP Parts Pvt. Ltd.

SAP PARTS PRIVATE LIMITED

Prasad B. Kulkarni

Managing Director

Works: Survey No.1087/04, Pune-Nagar-Pimple Jagtap Road, Sanaswadi, Dist. Pune - 412208 (M.S.) INDIA
Ph. : 02137-619269/70/71 Email : sap.parts@gmail.com web : www.sapparts.com
CIN No. : U27109PN2016PTC165048

SAP Parts Pvt. Ltd.

INDUSTRIAL SPONSORED PROJECT COMPLETION LETTER

Ref: /PUN/HRD/INT-COM/21-22/01

Date: 30-Apr-2021

TO,

Bharti vidyapeeth's college of Engineering,

Lavale Pune, Maharashtra-412115.

Subject: - INDUSTRIAL SPONSORED PROJECT COMPLETION LETTER

This is to inform that following student have successfully completed their industrial project in the name of "Mechanical metal face seal air-oil leakage testing machine", in the academic year 2020-2021 at SAP Parts Pvt. Ltd.

Following was the scope of their project:-

1. Material selection as per design.
2. Design calculation of components.
3. Design components and assembly.
4. Bill of material.

College Name: Bharti vidyapeeth's college of Engineering, Lavale Pune-412115.

Project Name: Mechanical metal face seal air-oil leakage testing machine

Candidate Name: 1. Kartikee Ranjan Awasare

2. Shubham Pandurang Walunj

3. Swapnil Prabhakar Kalamkar

During their tenure we found above student reliable and responsible.
We wish them success in all their further endeavors!

SAP Parts Pvt. Ltd.

Prasad B. Kulkarni

Managing Director

SAP PARTS PRIVATE LIMITED

Works: Survey No.1087/04, Pune-Nagar-Pimple Jagtap Road, Sanaswadi, Dist. Pune - 412208 (M.S.) INDIA
Ph. : 02137-619269/70/71 Email : sap.parts@gmail.com web : www.sapparts.com
CIN No. : U27109PN2016PTC165048

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, LAVALE ,PUNE - 412115

DEPARTMENT OF MECHANICAL ENGINEERING

Project List of Final Year Students 2019-20

oup Num	Title of Project	Name of 1st member	Name of 2nd member	Name of 3rd member	Name of 4th member	me	ame of Project Guid
1	Design and analysis of shell and tube heat e	Pramod Yenare	Akash kolekar	Divya Gaikwad	Sujay Pawar		SYN
2	Design and Manufacturing of Inline Pine Ins	Prajval Ashok Mali	Pratith Ramesh Sawant	Shubham Vijay Sawant			SRK
3	Design and Analysis of Effortless Center st	Piyush Sanjay Choudhary	Prashant shankar Chavan	Akshaykumar Prakash Pat	Sadashiv Ravasaheb Alat		PGR
4	Design, Analysis and Optimization of Incline	Tejas Upasani	Ajinkya Jadhav	Vishwajeet Jamale	Akshay Kankrej		SNK
5	Enhancing the tensile strength of Al LM6	Amritkar Vaibhav Mohan	Musale Paresh Satish	Anhad Amol Rajendra	Kuldharan Yogesh Vilas		NNR
6	Design and manufacturing of portable drillin	Tejas Raut	Sanket Sonnad	Pratik Kesav			PGR
7	Design,analysis and optimization of v12 eng	Aniket Ashok Koli	Atharva khanapurkar	Raj jadhav	Vaishnav sable		NNR
8	Electricity generation through micro wind mi	Sandeah Gaikwad	Aniket Asalkar	Suresh Dhebe	-		SYN
9	Design and Manufacturing of Multipurpose	Rishikesh Patil	Aditya Bote	Abhijit More			NNR
10	Analysis of Self-Healing Composite Materia	Priyanka Jaukar	Sanket kale	Omprakash khandagle	Satyajit Kumbhar		SNK
11	Design Consideration And Calculations Of F	Ashitosh Jadhav	Aishwarya Mishra	Suraj Kahate	Tejshri Gavhane		SST
13	Design and Manufacturing of Jigs and Fixtu	Kapil A. Mohrut	Ashitosh S. Rathod	Vedantkumar R. Sawale	Rushikesh S. Mankar		SRP
14	Hydrogen Powered Vehicle	VARUN PRAKASH NAIR	Shaunot Subir Dutta	Shivam Pandey	Abhay Kumar		SST
15	Air Cooling Effect through Vehicle Suspens	Vrundan Dilip Parsekar	Aniket Subhash Subhedar	Prashant Kashinath Sawar	Shubham Kailash Rathod		AAD
16	To Drive The Vehicle Using Actuators	Lalit Santosh Bachhav	Satyajit Vikas Chavan	Suraj Prakash Gomase	Sumit Vijay Holkar		SST
17	Design and Manufacturing of Oxyhydrogen	Saurabh K. Parmar	Mayank P. Tanna	Gulshan A. Bhalme			SNK
18	Parabolic Solar Tracking System	Rasik Manohar Vatane	Vishal Prakash Nanaware	Samad Shiraj Mulani			AMP
19	Design and Manufacturing of onion plantatio	Chaudhari Rahul Balu	Gaurav Ravindra Kashilka	Vishal Dnyandeo chandgu	Ganorikar Madhusudan Sh		ABM
20	Design and manufacturing of Advanced car	Inamdar Altaf S. Razzak	Dharme Sanjay Santram	Narayankar Mahesh Gora	Dalavi Bhivsen Sanjay		NRS
21	Chairless Chair Exoskeleton System	Kanhaiya Narkhede	Abhijit Kumbhar	Shrinivas Thorate			SRK
22	Design and fabrication of car towing machir	Akhil Dasari	Pratik Chaudhari	Pritesh Chaudhari	Ritesh Binjagermath		AAD
23	Design And Analysis of Bridge Bearing	Dipraj Admuthe	Yogesh Patil	SachinKumar Nawale			SRK
24	Maintenance and Modification	Vaibhav Agarkar	Omkar Ekatpure	Prasad Pawar	N.A.		SPD
25	DESIGN AND MANUFACTURING OF SEE	AKSHAY ARJUN MATE	GANESH JYOTIBA BHAN	VIGHNESH SURESH NIM	RUSHIKESH KISHOR MA		SNK
26	Power generation using gravity (GRAVITRI	Girish Pravin Kamble	Nimish Subhash Abnave	Ganesh Baban Shelar			SRK
27	Manufacturing Of Carbon Collector From Er	Akash Shivkumar Bhosale	Nitin Goraksha Jadhav	Pravin Bhausaheb Patang	Venkatesh Madhavrao Par		SPD
28	HEAT PIPE ENHANCED HYDRAULIC OIL	Mayur Bharat Gavate	Sagar Parmeshwar Solank	Onkar Ankush Chakane	Sanket Uttreshwar Kawade		NRS
29	CRASHWORTHINESS SYSTEM BY USIN	SAGAR MORE	ONKAR MOHITE	MAHESH PANDHARPUR	VIJAY DHEBE		SPD
30	Dual Extruder indigenous 3D printer	Ankit Bisht	Ashish Kawale	Abhijeet Fadtale	None		Dr.RNP
31	Design and calculation of 180* rotating fork	Bhanu Mishra	Yogesh Thakur	Yatin pahuja	Kunal Dhumal		SPD
32	HVAC Design And Drafting	Atul Ghodke	Deepak Londhe	Rakesh Anegirikar	Hanumant Lahade		NRS
33	Automatic Jaggery Manufacturing Process	Kamlakar Shahuraj Kele	Yuvraj Jagtap	Shubham Bachhav	Aniket Pasalkar		ABM
34	Design and analysis of flywheel in flywheel	Aniket Tiwari	Malay Pandey	No one			SST

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

Mechatol Engineering Solutions

Office Address
Ketan park,second floor
Opposite to surai Nagar near Guruganesh Nagar
Shantiban chowk
Kothrud,Pune 38

15/04/2020

INDUSTRIAL SPONSORED PROJECT COMPLETION LETTER

To
Whomsoever It May Concern
This is to inform that following students have successfully completed their industrial project in the name of "Design, analysis of V12 engine components". In the academic year 2019-2020 at Mechatol Engineering Solutions, Pune

Following was the scope of their project

1. Material Selection as per Ashby Chart
2. Design Calculation of Components
3. Designing of Components and assembly using Solidworks
4. Performing FEA Analysis using Solidworks
5. Creating Bill of Material

College Name: Bharati Vidyapeeth's College of Engineering, Lavale Pune-411115

Project Name: Design, analysis of V12 engine components

Candidates Name:

1. Raj Jadhav
2. Aniket Koli
3. Atharva Khanapurkar
4. Vaishnav Sable

During their tenure we found above students reliable and responsible
We wish them success in all their future endeavours.

Mr. Anand Bhise
Director, Mechatol Engineering Solutions, Pune, India

Mechatol Engineering Solutions

Office Address
Ketan park,second floor
Opposite to suraj Nagar near Guruganesh Nagar
Shantiban chowk
Kothrud,Pune 38

15/04/2020

INDUSTRIAL SPONSORED PROJECT COMPLETION LETTER

To
Whomsoever It May Concern
This is to inform that following students have successfully completed their industrial project in the name of "Design, analysis of shell and tube heat exchanger". In the academic year 2019-2020 at Mechatol Engineering Solutions, Pune

Following was the scope of their project

1. Material Selection as per Ashby Chart
2. Design Calculation of Components
3. Designing of Components and assembly using Solidworks
4. Performing FEA Analysis using Solidworks
5. Creating Bill of Material

College Name: Bharati Vidyapeeth's College of Engineering, Lavale Pune-412115

Project Name: Design, analysis of shell and tube heat exchanger

Candidates Name:

1. Akash Kolekar
2. Pramod Yenare
3. Divya Gaikwad
4. Sujay Pawar

During their tenure we found above students reliable and responsible
We wish them success in all their future endeavours.

Mr. Anand Bhise
Director, Mechatol Engineering Solutions, Pune, India

Mechatol Engineering Solutions

Office Address
Ketan park,second floor
Opposite to suraj Nagar near Guruganesh Nagar
Shantiban chowk
Kothrud,Pune 38

15/04/2020

INDUSTRIAL SPONSORED PROJECT COMPLETION LETTER

To
Whomsoever It May Concern
This is to inform that following students have successfully completed their industrial project in the name of "Design, analysis, optimization of inclined belt conveyor for coal application". In the academic year 2019-2020 at Mechatol Engineering Solutions, Pune

Following was the scope of their project

1. Material Selection as per Ashby Chart
2. Design Calculation of Components
3. Designing of Components and assembly using Solidworks
4. Performing FEA Analysis using Solidworks
5. Creating Bill of Material

College Name: Bharati Vidyapeeth's College of Engineering, Lavale Pune-412115

Project Name: Design, analysis, optimization of inclined belt conveyor for coal application

Candidates Name:

1. Ajinkya Jadhav
2. Vishwajit Jamale
3. Akshay Kankerj
4. Tejas Upasani

During their tenure we found above students reliable and responsible
We wish them success in all their future endeavours.

Mr. Anand Bhise
Director, Mechatol Engineering Solutions, Pune, India

SMART TOUCH AND MAINTENANCE

Certificate

Presented to

This is to clarify that Mr. Omkar Ekatpure, Mr. Vaibhav Agarkar, Mr. Prasad Pawar, Prof. S. P. Dhamone Bharati Vidyapeeth College of Engineering Lavale, Pune have done a project named as "Modification and Customization" of Special purpose machine in the field MECHANICAL ENINEERING Sponsored by SMART TOUCH AND MAINTENANCE year 2019-20.

Pradip Patole

Company Director

Smart Touch Machines & Maintainance
42, Pent Lamala (Pirangut)

SPONSORSHIP LETTER

Asha Enterprises

[redacted]

Ref.No.:-AEP/BV/2019-20/172 Date: 20/07/2019

TO,
The Department Of Mechanical Engineering,
Bharati Vidyapeeths College Of Engineering ,
A/P Lavale , Tal – Mulshi, Pune – 412115

Subject :- Sponsorship Letter.

Dear Sir,

This Correspondence is issued as per requirement of following of your College **1. Mr. Dharme Sanjay Santram**

2. Mr. Dalvi Bhivsen Sanjay

3. Mr. Narayankar Mahesh Gorakhnath

4. Mr. Altaf S. Rajjak Inamdar

They are interested in fulfilling our company requirement. This initial concept and idea present by them are satisfactory for company requirement. our company is sponsoring the project name is **"Design And Manufacturing Of Advanced Cardon Propeller Shaft Joint"**.

We are providing all the technical data and raw material required for project. The cost incurred for project will be borne by our company and looks forward for successful completion of the project.

Thanking & Regards,

Asha Enterprises Date: 20/7/19 Pune

Mr. Ajit Pawar.

(DIRECTOR)

ASHA ENTERPRISES, PUNE.

Noble Cast Comp. Pvt. Ltd.

Works : S-93 M.I.D.C. Bhosari Pune - 411 026 Tel.: 020 - 30684171 / 72 / 73 / 74 / 75
E-mail : noblecastcomp@yahoo.co.in Website : www.noblecastcomp.com

To

Whomsoever It May Concern

This is to inform that following students have successfully completed their industrial project in the name of "Enhancing the Tensile Strength of Aluminum LM6 ". In the academic year 2019-2020 at Noble Cast Comp.Pvt Ltd MIDC Bhosari, Pune

College Name: BharatiVidyapeeth's College of Engineering, Lavale Pune-412115

Candidates Name:
1. PareshMusale
2. AmolAnhad
3. VaibhavAmritkar
4. YogeshKuldharan

During their tenure we found above students responsible and given satisfactory results
We wish them success in all their future endeavors

For Noble Cast Comp Pvt. Ltd.

Authorised Signatory Director

/ORKS & COMMUNICATION ADD :
hed No. A5 & A6, Gulhane Industrial Estate,
ut No. 145, Pirangut (Tal. Mulshi), Pune - 412115
hri R.K. Goel (Managing Director) 9970066750
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TEFCON

Tefcon Bearings P. L td.

MANUFACTURERS OF PTFE STRUCTURAL BEARINGS

An ISO 9001:2015 Company

Date 23/09/2020

TO WHOM IT MAY CONCERN

Thise is to certify that Mr. Yogesh S. Patil, Mr.Sachinkumar G. Nawale, Mr. Deepraj J. Admuthe, student of Bharati Vidyapeeth's College of Engineering, Lavale, Pune. has done his project as per our requirement and they shows good skills and best team work at completion their work in our organization TEFCON BEARING PVT LTD Pirangut, Tal Mulshi, Pune. at allotted time.

We wish all the best for their next achievements.

With best regards,

Mr. Rahul Lad
(Design Engineer)
TEFCON BEARING PVT LTD.

TEFCON BEARINGS P. LTD. Pirangut

STEELFAB ENGG & MFG COMPANY (SEMCO)
Pre-Engineered Building & Construction
Gat No-63 Dehu-Alandi Road, Talawade, Pune -411062

Ref.No.-SEMCO/BVCOEL/2019-20/94

Date: 21/09/2019

To,
The Department of Mechanical Engineering,
Bharathi Vidyapeeth's College Of Engineering,
A/P. Lavale Tal- Mulsi,
Pune – 412115.

Subject: - Sponsorship Letter.

Dear Sir,

We would like to hereby confirm you, that **Mr. Tejas Raut, Mr. Sanket Sonnad, Mr. Bharat Patil, Mr. Pratik Keasv.** are the students of B.E. MECHANICAL from your college who have been selected for carrying out the Final Year Project **"Design & Manufacturing of Portable Multifunctioning Machine For Industrial Application."** They will work with our organization, from 21/09/2019 for exactly 6 months. The working schedule of their project will be 2 days a week from 11.00 am to 06.00 pm.

The details and scope of this project will be provided to them from the beginning of their tenure at the company facility. Upon successful completion of the project, they will be issued a certificate. Students will be required to submit a copy of the detailed report before completion of the project.

Thanks & Regards,

SEMCO Engineering Pune

Vijaysarhind Sakhare
(Manager)
SEMCO Engineering

Bharati Vidyapeeth's College of Engineering, Lavale Pune-15

College Code-4111

Project List of Final Year Students 2018-19 Department- Mechanical

Group No.		Name of Students	Topic Name	Guide Name
1	B151110806	Kamlesh Baviskar	Portable Compact Bicycle	Prof.S.P.Dhamone
	B151110856	Ishant Patil		
	B151110847	Nikhil Mate		
2	B151110859	Sambhuraj Patil	Experimentation and theorotical investigation of ethanol blended biodiesel on VCR engine	Prof. S S Tambade
	B151110848	Vishal Nagar		
	B151110861	Sidharth Patil		
	B151110816	Shreyash Dabhole		
3	B151110837	Amey Kate	Advancement in Railway	Prof. S S Tambade
	B151110921	Shubham Zade		
	B151110822	Yas Gaddmwar		
4	B151110844	Lokhande Pramod	Fabrication of advanced mulching and drip laying machine	Prof.S.P.Dhamone
	B151110821	Dahakane Pradip		
	B151110854	Patil Akshay		
	B151110878	Utgikar Abhishek		
5	B151110841	Avinash Babu Kotian	Portable desalation plant	Khapar sir
	B151110871	Prashant pradeep sharma		
	B151110875	Sohail Ayub Khan		
	B151110840	Kevin Sunil Koli		
6	B151110843	Kurale Shubham	Walking Spider Machine	Prof.V.C.Khapper
	B151110805	Barje Atharva		
	B151110845	Waghmare Mahesh		
	B151110853	Oulkar Vilas		
7	B151110872	Suraj Sheikh	Smart Helmet	Prof .S.N.Kadam
	B151110808	Pratik Bholane		
	B151110834	Shubham Kamble		
	B151110836	Sudip Karmarkar		

8	B151110882 B151110888	Dattatray Adampure Avadhut Chechar	Standard tention test and FEA analysis of composite material	Prof. S N Kadam
9	B151110880 B151110811 B151110829 B151110866	Rakesh Yelve Kiran Chandak Ganesh Jadhav Vikas Rathod	Manual Seed Planter	Prof. P G Rahate
10	B151110855 B151110862 B151110809 B151110812	Dinesh Patil Tejas Patil Nikhil Bhute Roshan Chaudhari	Design And Fabrication Of Washing Machine Drum	Prof.P.G.Rahate
11	B151110870 B151110920 B151110889 B151110887	Shaikh Waqar Singh Vishal Kunjan Dabhi Sunil Chauvan	Body Heat Harvesting	Prof.A.A.Datarkar
12	B151110817 B151110867 B151110868 B151110807	Ankush Das Alok Saha Sahil Joshi Shripati Bhise	Conventional water filter	N N Raut
14	B151110898 B151110894 B151110890 B151110909	Abhijeet Kane Omkar Jadhav Sharad Dure Akshay Patil	Rotary Basket Cleaning Machine	Prof. S. R. Kale
15	B151110900 B151110896 B151110802 B151110804	Nikhil Kulkarni Atharva Joshi Aatrey Sathe Ashutosh Kathole	Heat Transfer Enhancement of an Automible Radiator using Nano Fluids	Prof.N.N.Raut
16	B151110826 B151110801 B151110839	Pranav Ghadge Aakash Kabra Karamdeep Kohli	Performance of Compression Ignition Engine by Using Biodiesel and its Blends	Prof. S.S Tambade

17	B151110879 B151110818 B151110846	Lokesh Yadav Priyanka Deokar Rushikesh Mhaske	Investigate the propertis of Mexicana Biodiesel and its properties on Single Cylinder Diesel Engine.	Prof. S. S Tambade
18	B151110907 B151110881 B151110904	Kedar Narke Pavan Aage Nikhil Mandlik	Improved tool life	Pof. Nilesh Singh
19	B151110876 B151110850	Rahul Tagad Avdhut Nakti	Canvas Pipe Reeling Machine	Prof.A.M.Pasarkar
20	B151110833 B151110819 B151110832 B151110849	Jagtap Nilesh R Desai Nilesh S Jadhav Vaibhav M Nagawade Tushar B	experimental investigation in to the EDM shape memory alloy	Prof. A B Mane
22	B151110910 B151110906 B151110918 B151110905	Hemraj Patil Snehal More Amol Tadkar Akshay Mohite	Utilization of Solar Energy using Fresnal lence for the Application of RE&AC	Prof.S.Y.Nagawase
23	B151110912 B151110897 B151110825 B151110893	Mayur Rasane Shubham Kadam Nikhil Ghadge Debabrata Ghosh	Pyrolysis waste plastic to fuel	Prof.S.R.Kale
24	B151110813 B151110815 B151110814	Akshay Chaudhari Mahendra Chungade Riusheshwar Chikate	Design and modelling of hydraulic crash damper in a vehicles	Prof.S.P.Dhamone
25	B151110892 B151110891 B151110911 B151110913	Gaikwad Shrikrushna Gade Dattatrya Patil Shubham Rodage Atul	water hycinth removal mechanism	Prof. P G Rahate

26	B151110835 B151110877 B151110842	Karade Vaibhav Shubham Tathe Akshay Kulkarni	automatic braking with pneumatic bumper system	Prof.S.P.Dhamone
27	B151110828 B151110827 B151110857 B151110864	Aamirkhan m hakim Hajare Manteshwar D Patil Milind S Pawar Darshan A	Vibrational Analysis of defective Ball Bearing	Prof.S.R.Kale
28	B151110883 B151110869 B151110886 B151110884	Mayur Bagal Ajay Sathe Rahul Chaudhari Bhanu Mishra	Tool design	Prof. A B Mane
29	B151110820 B151110838 B151110860 B151110831	Pravin Desai Katkar Ranjit Shrnivas Patil Rahul Jadhav	Study the effect of condesor coil on the performance of VCR system	Prof. Nilesh Singh
30	B151110916 B151110873 B151110905 B151110824	Sachin Shelar Sagar Shendage Akshay Mohite Rohan Gawade	The objective of the project will be enhance the rate of reaction between the constituent elements in the biogas digwster	Prof.S R PATIL
31	B151110915 B151110919 B151110903 B151110914	shaikh shareeque ahmed nilkanth maruti ugale saurabh dattatray mali .	Vortex induce vibration	Prof.A.M.Pasarkar
33	B151110902 B151110885 B151110895	Rishikesh Mahajan Dattatray Biradar Nikhil Janunkar	Design and Analysis of Shock Absorber	Prof.S.R.Kale

H.O.D.
Mechanical Engineering
Bharati Vidyapeeth's
College Of Engineering, Lavale Pune

A Project Report on

Performance of Compression Ignition Engine by using High Free Fatty Oil (Chicken Fat) Biodiesel & its Blends.

By

Mr. Karamdeep Singh Kohli

Mr. Aakash Anil Kabra

Mr. Pranav Sachin Ghadge

Guide

Prof S.S Tambade



Department of Mechanical Engineering

Bharati Vidyapeeth's College Of Engineering

[2018-19]

Indian Biodiesel corporation

E-mail : ibdc.bmt@gmail.com Ph. 02112- 221382 www.renewenergy.in

Certificate

This is to certify that following students of B.E. (Mechanical engineering) of Bharati Vidyapeeth's College of Engineering, Lavale, Pune, M.S. has joined the company on 16/08/2018 with their request to conduct research of synthesis, analysis of Biodiesel and to prepare their project report based on their findings.

We had given them to work on "TO STUDY THE *PERFORMANCE OF* COMPRESSION IGNITION ENGINE BY USING HIGH FREE FATTY OIL (CHICKEN FAT) BIODIESEL AND ITS BLNEDS" under the guidance of Prof. S. S. Tambade and Dr. S. N. Dobade. (IBDC, Baramati).

Mr. KARAMDEEP SINGH KOHLI

Mr. AKASH ANIL KABRA

Mr. PRANAV SACHIN GHADGE

We here by appreciate their efforts to handle the work and complete the analysis without any hesitation as a beginner and their keen interest shown in the complete duration of the project till its completion on 30/05/2019. Herewith we certify that they have completed the project and successfully.

We wish them all the success in future.

For, Indian Biodiesel Corporation

Authorized Signatory

Office : Above Malshirsle Co. Bank, Shigwan Chowk, Baramati, Dist. Pune - 413102., Maharashtra, India
Works : Gat No 611, Behind HAM Company, Opp. Tikai Talkies, At Malegaon BK, Tal. Baramati, Dist. Pune - 413 115 Maharashtra, India

REF: RIPL/ 19-20/04

DATE: 16.04.2019

To,

Head of Department (HOD)

Bharati Vidyapeeth College of Engg.

Lavale,

Project Title: Design and Manufacturing of Manual Seed Planting Machine.

Sir/Madam,

This is to certify that the following students have successfully completed the project internship provided for 6 months from 25/06/2018 to 16/04/2019 by 'Rohitkrishi Industries Pvt. Ltd.' as per the Bachelor of Engineering course – Mechanical Engineering under the guidance of 'Mr. Sachin C. Kawade'.

Name of the students:

1. Ganesh Sampatrao Jadhav,
2. Rakesh Yelve,
3. Kiran Chandak
4. Vikas Rathod

Rohitkrishi Industries Pvt. Ltd. Pune-19.

Anup Modi

General Manager,

Rohitkrishi Industries Pvt. Ltd.

arts/2, D1 Block MIDC, Akurdi Industrial Estate, Chinchwad, Pune-411019 | Ph.: 020 27476444, 95612 66444
Email-rohitkrishiindustriespvtltd@gmail.com | www.rohitkrishi.com

COMPUTER CASE study.

INDEX

NAME: Digvijay Jadhav STD.: TE SEC.: _____ ROLL NO.: 09 SUB.: _____

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Case Study - 01

Study of debugging tools

What is Debugging

- The important technique to find and remove the number of errors or bugs or defects in a program is called debugging. It is a multistep process in software development. It involves identifying the bug, finding the source of the bug and correcting the problem to make the program error-free. In software development, the developer can locate the code error in the program and remove it using this process. Hence, it plays a vital role in the entire software development lifecycle.

Types of Debugging

Depending upon the type of code error, there are different types of toolset plugins. It is necessary to understand what is happening and what type of tool is used for debugging. There are two types of debugging to solve any general issue of the toolset plugin and provides technical information.

- In PHP, to enable the PHP debugging in WordPress, edit the file wp-config.php and add the code needed. An error file (error_log.txt) is produced in the word root dictionary which can be created and writable using a server web. Else use an FTP program to create and write. Hence all the errors that occured in the front-end and back-end can be logged into that error file.

- Javascript debugging uses the browser's debugger tool and javascript console. Any javascript error can be occoured and stops the execution and functioning of the operations in WordPress. When the Javascript console is open, all the error messages will be cleared. However, some console warnings appeared can create an error message that should be fixed.

There are different types of debugging tools for different operating systems.

→ For Linux and Unix operating system, GDB is used as a standard debugger.

→ For windows OS, the visual studio is a powerful editor and debugger.

→ For Mac OS, LLDB is a high-level debugger.

→ Intel parallel inspector is used as a source of debugging for memory errors in c/c++ operations.

Debugging Tools

A software tool or program used to test and debug the other programs is called a debugger or a debugging tool. It helps to identify the errors of the code at the various stages of the software development process. These tools analyze the test run and find the lines of code that are not executed. Simulators in other debugging tools allow the user to know about the display and behaviour of the operating system or any other computing device. Most of the open-source tools are scripting language don't run an IDE and they require the manual process.

Mostly used Debugging Tools are GDB, DDD and Eclipse.

- GDB Tool

This type of tool is used in Unix programming. GDB is pre-installed in all Linux systems, if not it is necessary to download the GCC compiler package.

The GNU project debugger, allows you to see what is going on 'inside' another

program while it executes or what the other program was doing while it got crashed.

GDB can do four main kinds of things (plus other things in support of these) to help you catch bugs in the act.

- Start your program, specifying anything that might affect its behaviour.
- Make your program stop on specified conditions.
- Examine what has happened, when your program has stopped.
- Change things in your program, so you can experiment with correcting the effects of one bug and go on to learn about another.

Those programs might be executing on the same machine as GDB (native), on another machine (remote), or on a simulator. GDB can run of most popular UNIX and Microsoft Windows variants, as well as on Mac OSX.

- **DDD Tool**

A debugger allows the user control execution of a program, examine variables, other memory (i.e stack space), and display program output (if any). The open source GNU Data Display Debugger (DDD) is a visual front-end to the GNU Debugger (GDB) and is widely available. Other debuggers can easily be used if desired. Only the basic debugger commands are addressed in this chapter. The DDD debugger has many more features and options not covered here. The DDD functionality can be extended using various plug-ins. The plug-ins are not required and will not be addressed.

Some additional DDD/GDB configuration settings suggestions include:

Edit → Preferences → General → Supress X Warning

Edit → Preferences → Source → Display Source Line numbers.

- **Eclipse tool**

In the context of computing, Eclipse is an integrated development enviroment (IDE) for developing applications using the Java programming language and other programming languages such as C/C++, Python, PERL, Ruby etc.

The Eclipse platform which provides the foundation for the Eclipse IDE is composed of plug-ins and is designed to be extensible using additional plug-ins. Developed using Java, the Eclipse platform can be used to develop rich client applications, integrated development environments and other tools. Eclipse can be used as an IDE for any programming language for which a plugin is available.

Licensing ⇒ Eclipse platform and other plug-ins from the Eclipse foundation is released under the Eclipse Public License (EPL). EPL ensures that Eclipse is free to download and install. It also allows Eclipse to be modified and distributed.

The Lists of few debugging tools is listed below:-

- AppPuncher Debugger is used for debugging Rich Internet Applications.
- AQtime debugger.
- CA/EZ TEST is a CICS interactive test/debug software package.
- CharmDebug is a Debugger for Charm++
- CodeView debugger.
- DBG is a PHP Debugger and Profiler.
- dbx debugger
- The dynamic debugging technique (DDT).

Case Study - 02

GNU M4 Macro processor

GNU M4 is an implementation of the traditional Unix macro processor. It is mostly SVR4 compatible although it has some extensions (for example, handling more than 9 positional parameters to macros). GNU M4 also has built-in functions for including files, running shell commands, doing arithmetic, etc.

GNU M4 is a macro processor in the same that its input to the output expanding macros as it goes. Macros are either builtion or user-defined and can take any number of arguments. Besides just doing macro expansion, m4 has builtin functions for including named files, running UNIX commands, doing integer arithmetic, manipulating text in various ways, recursion etc..... m4 can be used either as a front-end to a compiler or as a macro processor in its own right.

The Format of M4 command is M4 [option] [file]

All the options begin with '-' or if long options name are used, with '--' A long option name need not be written completely, any unambiguous prefix is sufficient.

The following options grouped by functionality.

- Operation modes.
- Limit control.
- preprocessor features
- Frozen state.
- Debugging options.
- Command line files.

Problems and bugs

If you have problem with GNU M4 or think you've found a bug, please report it.

Before reporting a bug or trying to fix it yoursely, try to isolate it to the smallest possible input file that reproduces the problem.

Invoking

With short options, that do not take arguments may be combined into a single command line argument with subsequent options, options with mandatory arguments may be provided either as a single command line argument or as two arguments, and options with optional arguments must be provided as a single argument. In other words, m4 -OPDfoo -d a -df is equivalent to m4 -O -P -D foo -d -df --, /a, although the latter from is considered conical.

With long, options with mandatory arguments may be provided with an equal sign ('=') in a single argument, or as two arguments and options with optional arguments must be provided as a single argument. In other words, m4 --def foo --debug a is equivalent to m4 --define=foo --debug= --, /a, although the latter form is considered conical.

27/9/22.

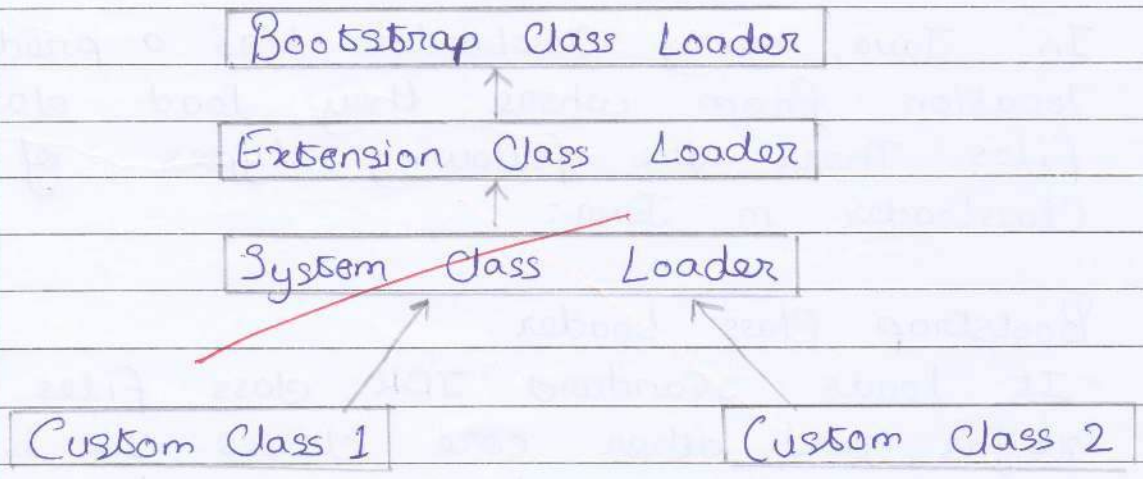
Case Study - 03

Study the concepts of Class loading in Java

ClassLoader in Java

Java ClassLoader

Java ClassLoader is an abstract class. It belongs to a java.lang package. It loads classes from different resources. Java ClassLoader is used to load the classes at run time. In other words, JVM performs the linking process at runtime. Classes are loaded as well. When we request to load a class, it delegates the class to its parent. In this way, uniqueness is maintained in the runtime enviroment. It is essential to execute a Java program.



Java ClassLoader is based on three principles: Deglegation, Visibility and Uniqueness

- Delegation principle : It forwards the request for class loading to parent class loader. It only loads the class if the parent does not find or load the class.

- Visibility principle : It allows child class loader to see all the classes loaded by parents ClassLoader. But the parent class loader cannot see classes loaded by the child class loader.

- Uniqueness principle : It allows to load a class once. It is achieved by delegation principle. It ensures that child ClassLoader doesn't reload the class, which is already loaded by the parent.

Types of ClassLoader

In Java, every ClassLoader has a predefined location from where they load class files. There are following types of ClassLoader in Java:

Bootstrap Class Loader

- It loads standard JDK class files from rt.jar and other core classes. It is a parent of all class loaders. It doesn't have any parent. When we call

String.class.getClassLoader() it returns null, and any code based on it throws NullPointerException. It is also called primordial ClassLoader. It loads class file from jre/lib/rt.jar. For example, java.lang package class.

- Extensions Class Loader : It delegates class loading request to its parents. If the loading of a class in unsuccessful, it loads classes from /lib/ext directory or any other directory as java.ext.dirs. It is implemented by sun.misc.Launcher$ExtClassLoader in JVM.

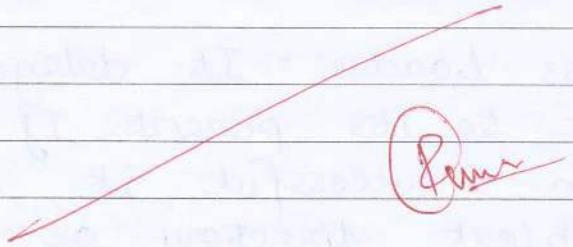
- System Class Loader : It loads application specific classes from the CLASSPATH enviroment variable. It can be set while invoking program using -cp or classpath command line options. It is a child of Extension ClassLoader. It is implemented by sun.misc.Launcher$AppClass Loader class. All Java ClassLoader implements java.lang.ClassLoader.

In short, class loader follows the following rule:

- It checks if the class is already loaded.
- If the class is not loaded, ask parent class loader to load the class
- If parent class loader cannot load class, attempt to load it in this class loader.

Static vs Dynamic Class loading

Classes are statically loaded with "new" operator. Dynamic class loading invokes the functions of a class loader at run time by using Class.forName() method.



Case Study - 04

Process management in Linux / Windows / Android Readers - Writers problem

The readers-writers problem is a classical problem of process synchronization, it relates to a data set such as a file that is shared between more than one process at a time. Among these various processes, some are Readers - which can only updates, some are Writers - can both read and write in the data sets. they do not perform any updates, some are Writers - can both read and write in the data sets.

The readers-writers problem is used for managing synchorization among various reader and writer process so that there are no problems with the data sets, i.e no inconsistency is generated.

Let's understand with an example - If two or more than two readers want to access the file at the same point in time there will be no problem. However, in other situations like when two writers or one reader and one reader and one

one writer wants to access the file at the same point of time, there may occour some problems, hence the task is to design the code is such a manner that if one reader is reading then no writer is allowed to update at the same point of time, similarly, if one writer is writing no reader is allowed to read the file at that point of time and if one writer is writing no reader is allowed to read the file at that point of time and if one writer is updating a file at the same point of time.

TABLE 1

Case	Process 1	Process 2	Allowed/Not Allowed.
Case 1	Writing	Writing	Not Allowed
Case 2	Reading	Writing	Not Allowed
Case 3	Writing	Reading	Not Allowed
Case 4	Reading	Reading	Not Allowed

The solution of readers and writers can be implemented using binary semaphores.

Semaphore : A semaphore is an integer is an integer variable in S, that apart from initialization is accessed by only two standard atomic operation - wait and signal, whose definitions are as follows.

```
1. wait (S)
{
  while (S<=0)
  S--;
}

2. signal (S)
{
 S++;
}
```

Code for Reader Process

The code of the reader process is given below :-

```
static int readcount=0;
wait(mutex);
readcount++;
if (readcount==1)
{
    wait (write);
}
```

```
signal (mutex);

--READ THE FILE?

wait (mutex);
readcount

// on every exit of reader decrement
   readcount

if (readcount == 0)
{
   signal (write);
}
signal (mutex);
```

In the above code of reader, mutex and write are semaphores that have an initial value of 1, whereas the readcount variable has an initial value as 0. Both mutex and write are common in reader and writer exclusion and semaphore write handles the writing mechanism.

Case Study - 05

Concurrency Mechanism
Unix / Linux / Windows

Concurrency in Operating System

In this article, you will learn the concurrency in the operating system with its principle, issues, advantages and disadvantages.

What is Concurrency?

It refers to the execution of multiple instruction sequences at the same time. It occours in an operating system when multiple process threads are executing concurrently. These threads can interact with one another via shared memory or message passing. Concurrency results in resource sharing, which causes issues like deadlocks and resource scarity. It aids with techniques such as process coordination, memory allocation, and execution schedule to maximize throughput.

Principles of Concurrency

Today's technology, like multi-core processors and parallel processing, allows multiple processes and threads to be executed simultaneously. Multiple processes and threads can access the same memory space, the same declared variable in code, or even read or write to the same file.

It is impossible to predict the relative speed of execution, and the following factors determine it:

1. The way operating handles interrupts
2. Other processes' activities
3. The operating system's scheduling policies.

1. Locating the programming errors
Its difficult to spot a programming error because reports are usually repeatable due to the varying states of shared components each time the code is executed.

2. Sharing Global Resources
Sharing global resources is difficult. If two processes utilize a global variable and both alter the variable's value, the order in with the many changes are executed is critical.

3. Locking the channel
It could be inefficient for the OS to lock the resource and prevent other processes from using it.

4. Optimal Allocation of Resources
It is challenging for the OS to handle resource allocation properly.

Issues of Concurrency

Various issues of concurrency are as follows.

1. Non-atomic
Operations that are non-atomic but interruptible by sever processes may happen issues. A non-atomic operation depends on other processes, and an atomic operation runs independently of other processes.

2. Deadlock
In concurrent computing, it occurs when one group member waits for another member, including itself, to send a message and release a lock.

3. Blocking
A blocked process is waiting for some event, like the availability of a resource or completing an I/O operation. Processes

may block waiting for resources, and a process may block waiting for terminal inputs. If the process is needed to update some data periodically, it will be very undesirable.

Advantages

1. Better Performance.
   - It improves the operating system's performance. When one application only utilizes the processor, and another only uses the disk drive.

2. Better Resource Utilization.

3. Running Multiple Applications.

Disadvantages.

1. It is necessary to protect multiple applications from each other.

2. It is necessary to use extra techniques to coordinate several applications.

3. Additional performance overheads and complexities in OS are needed for switching between applications.

Case Study - 06

Memory management in Linux / Windows / Android

The subsystem of Linux memory management is responsible to manage the memory inside the system. It contains the implementation of demand paging and virtual memory.

Also, it contains memory allocation for user space program and Kernel internal structures. Linux memory management subsystem includes files mapping into the address space of the processes and several other things.

Linux memory management subsystem is a complicated system with several configurable settings. Almost every setting is available by the /proc filesystem and could be adjusted and acquired with sysctl. These types of APIs are specified inside the man 5 proc and Documention for /proc/sys/vm).

Linux memory management includes its jargon. Here we discuss in detail, on how to understand several mechanisms of Linux memory management.

Memory management system provides:

1. Large Address Space
2. Protection.
3. Memory mapping.
4. Physical Memory Allocation for Processes
5. Shared Virtual Memory.

Some important Terms and Concepts Logical and physical Address

- Logical address is generated by CPU and also called as virtual address.
- Physical address is the address seen by the memory Unit.

Memory Management Unit

- It is a hardware that maps logical address to physical address.
- Value of relocation register is added to value generated by user process.

Paging

- The logical address space is divided into fixed size blocks called pages. The pages are located at different memory locations in the memory.
- Physical address space is divided into fixed size blocks called frames.
- Address translation is actually done by the MMU (Memory Management System) by using a page table as shown in the figure below.

Virtual Memory

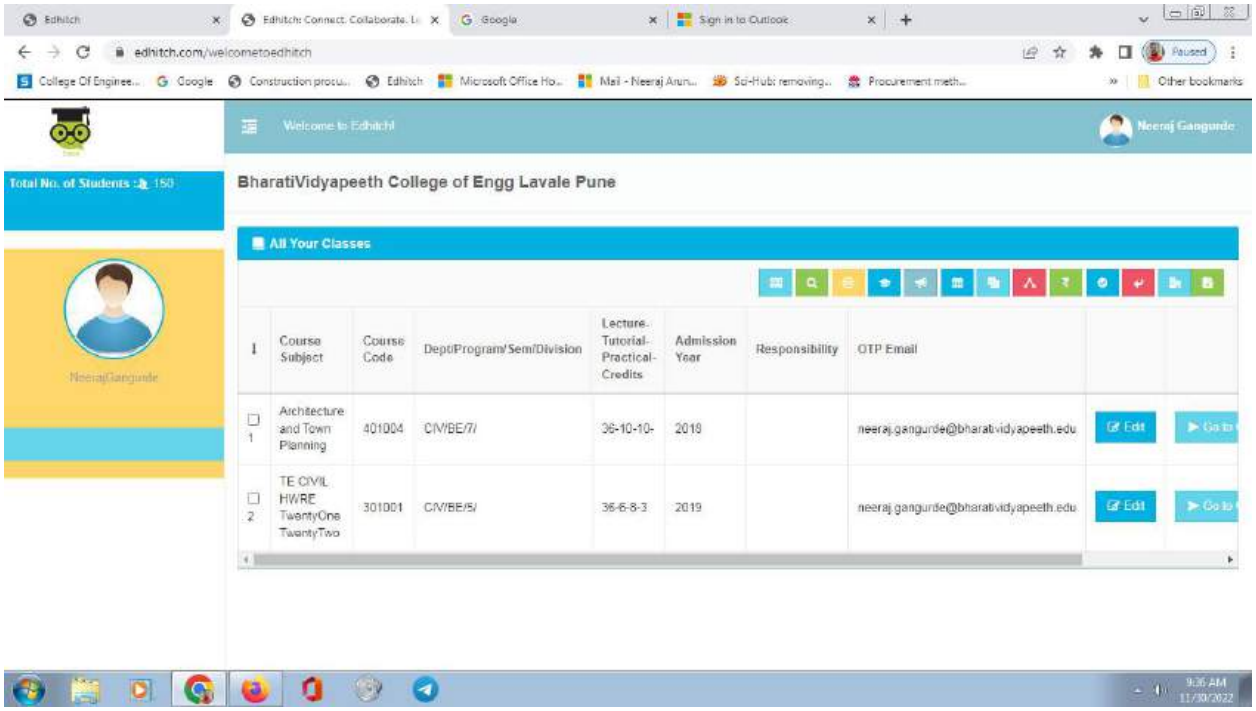
Virtual addresses are created by the CPU. We require mapping function to implement the concept of virtual memory. Mapping perforns address translation, converting virtual address to physical address. Virtual address is the address used to refer a memory location and physical address is the actual memory location.

Memory Compaction

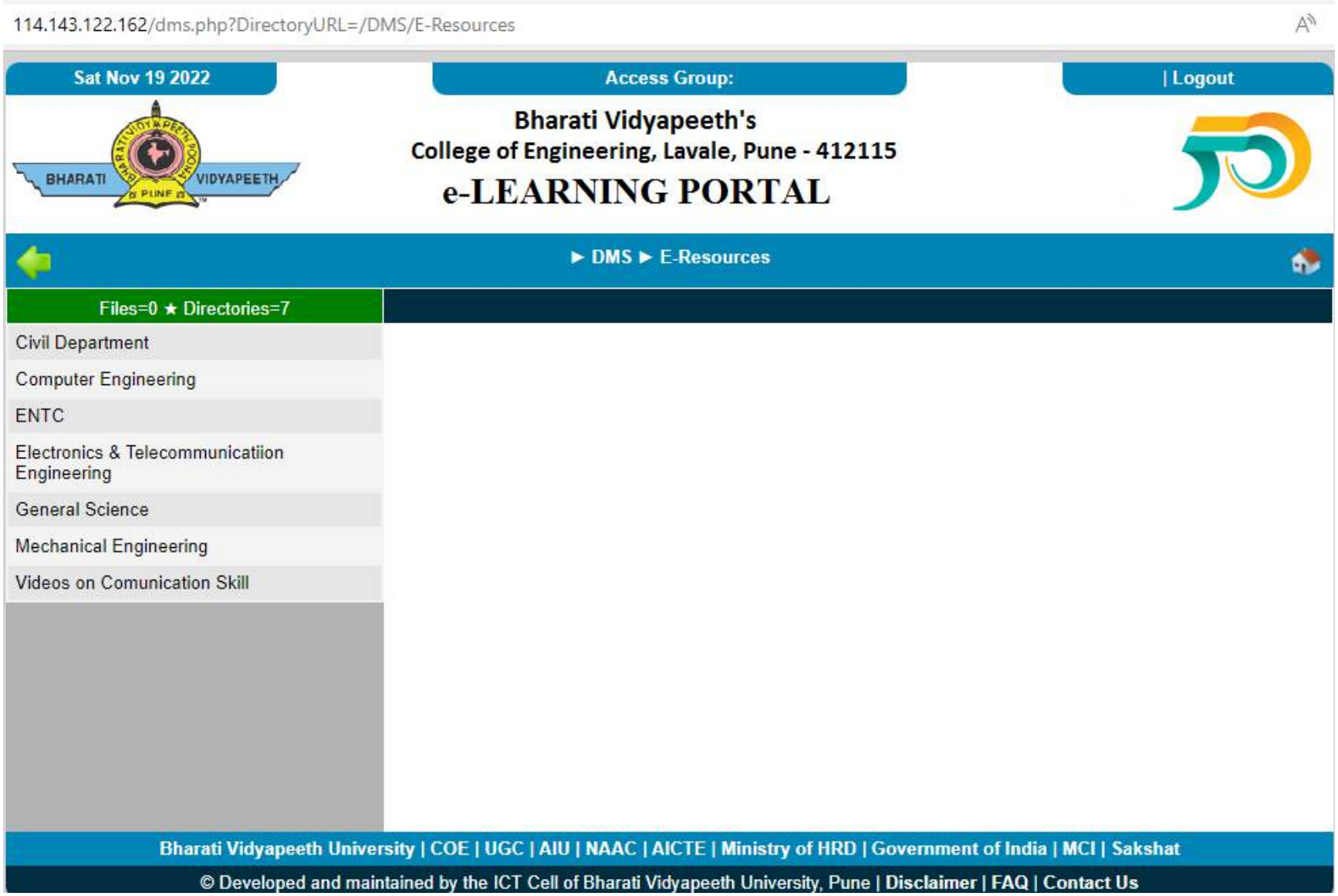
It is the technique of relocating all occupied areas of the memory to one end so as to get a large block of free memory space.

It can be done under three conditions-

1. As soon as process terminates.
2. When a new job cannot be loaded into memory due to fragmentation
3. At fixed time intervals.


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DMS (Data Management Server) for E-Resources



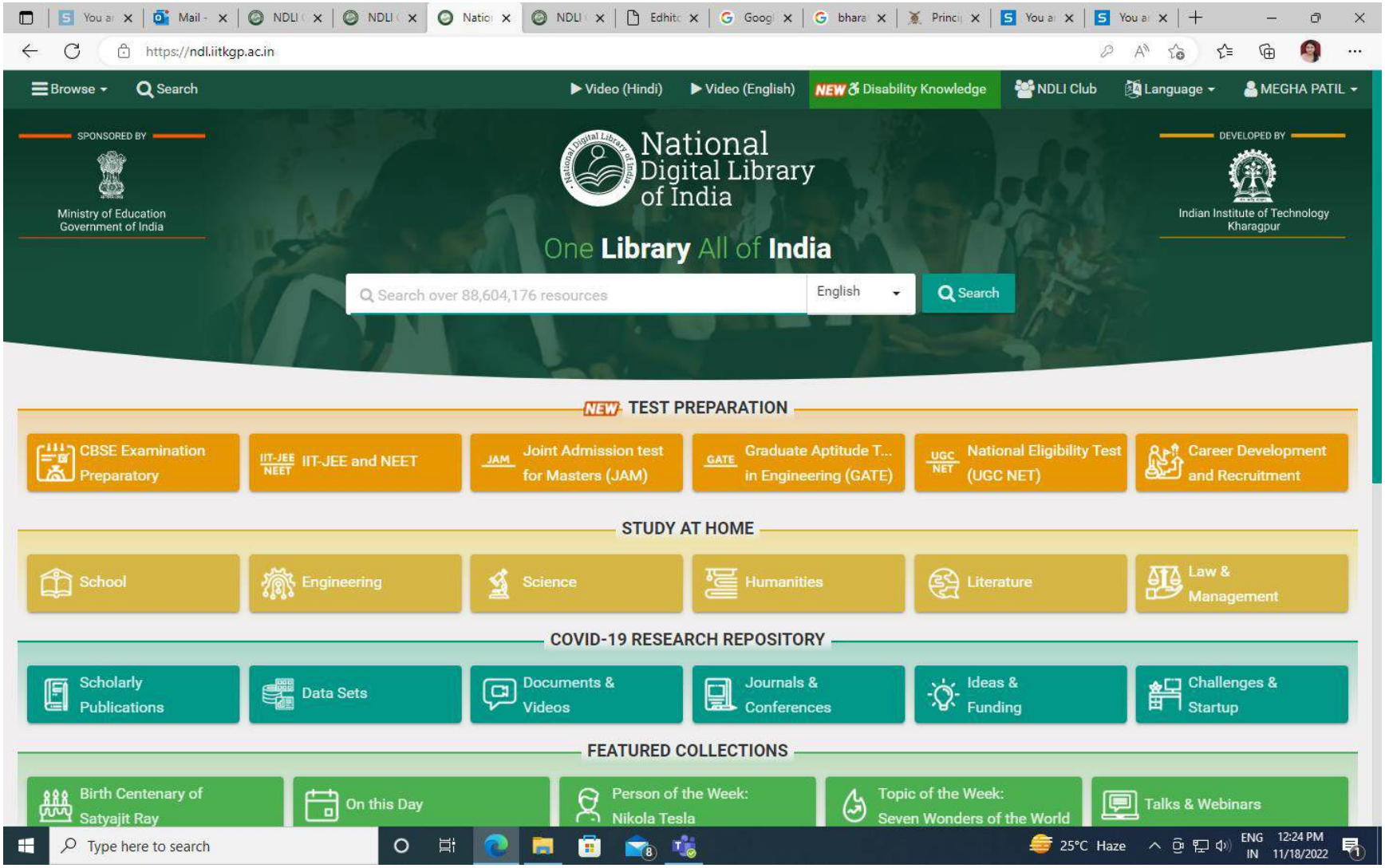
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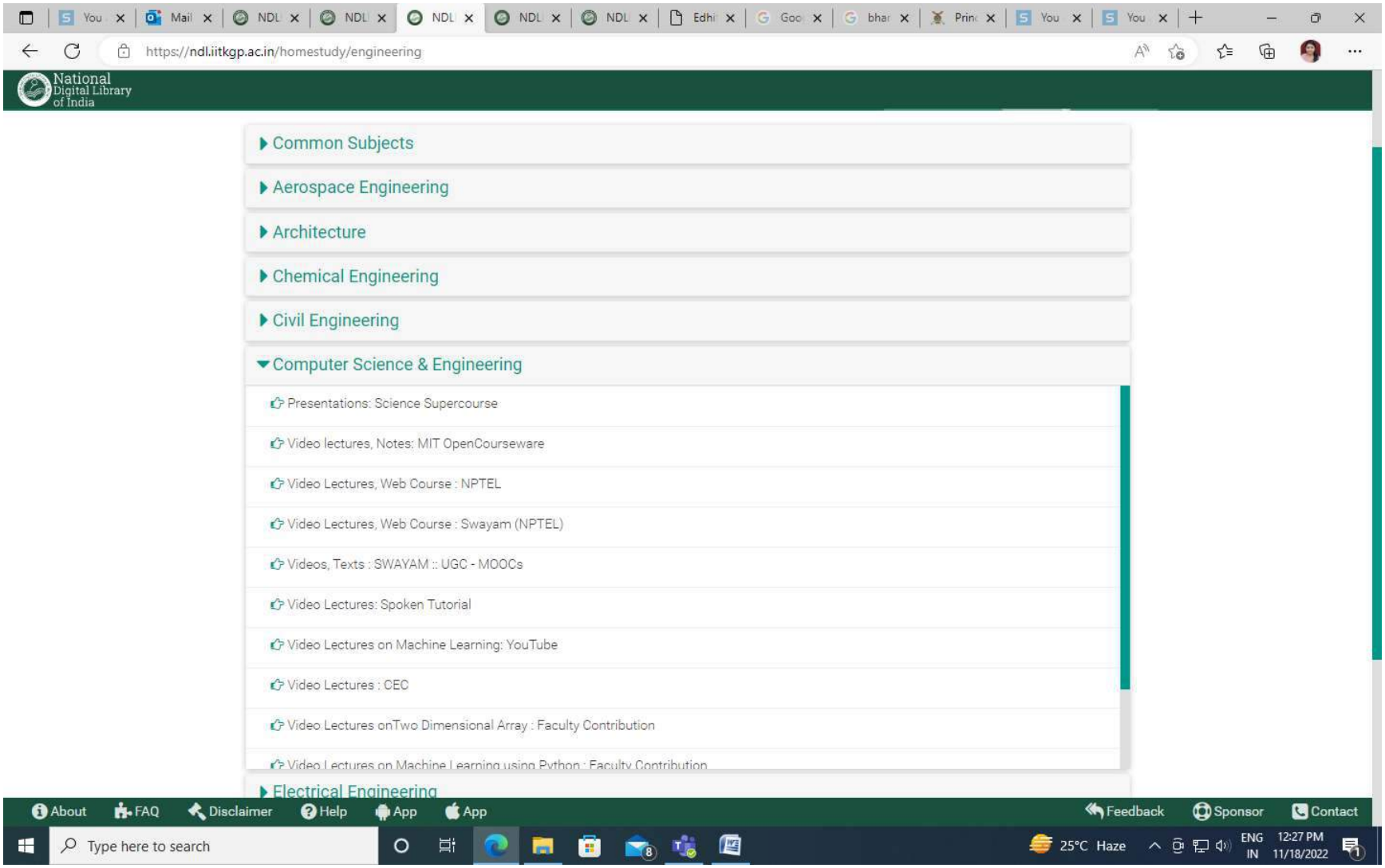
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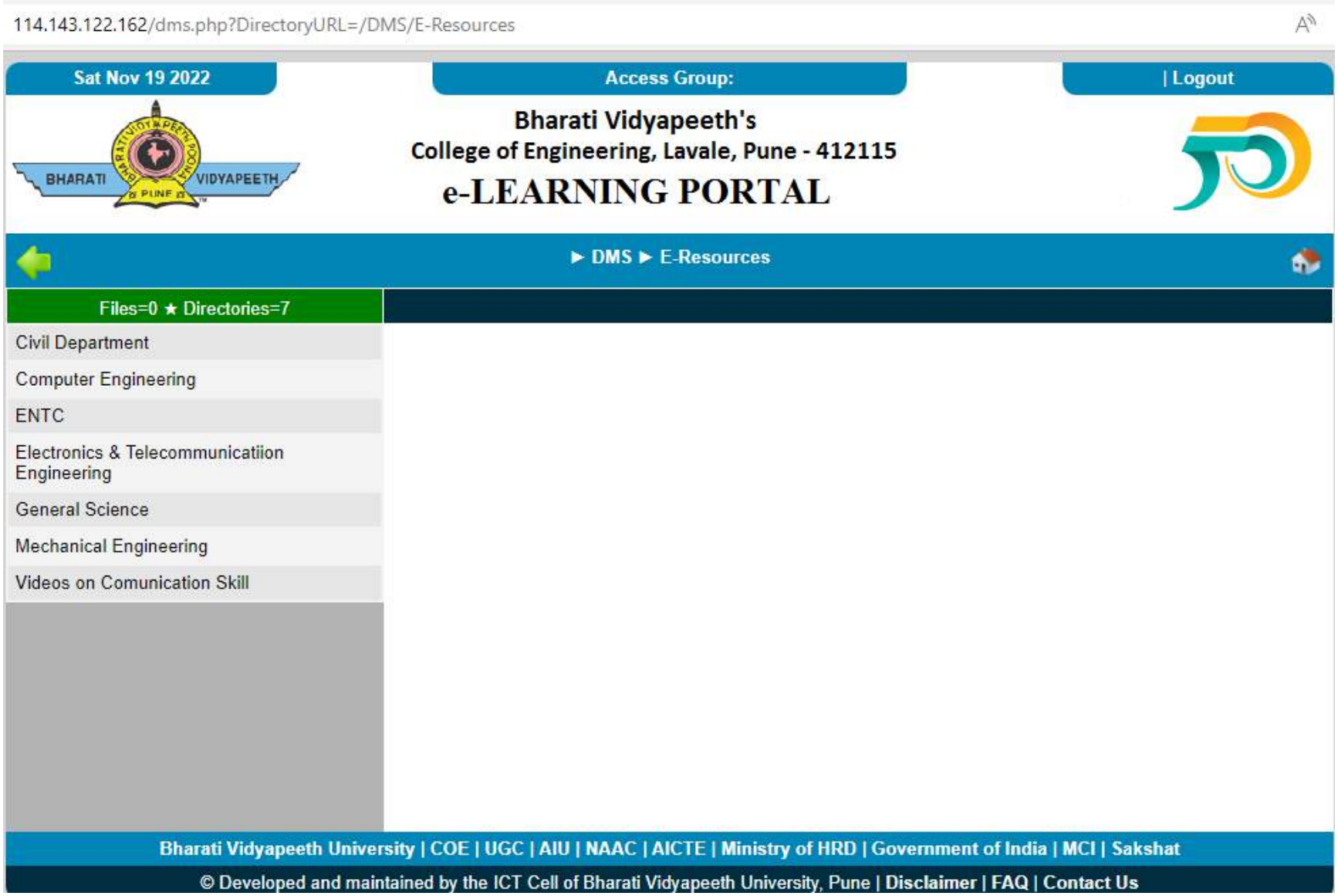
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Analyses of the costs of the different stages of software development are given in the following classic book, which is still relevant despite its age: B.W. Boehm, *Software Engineering Economics*, Prentice Hall International, 1981.

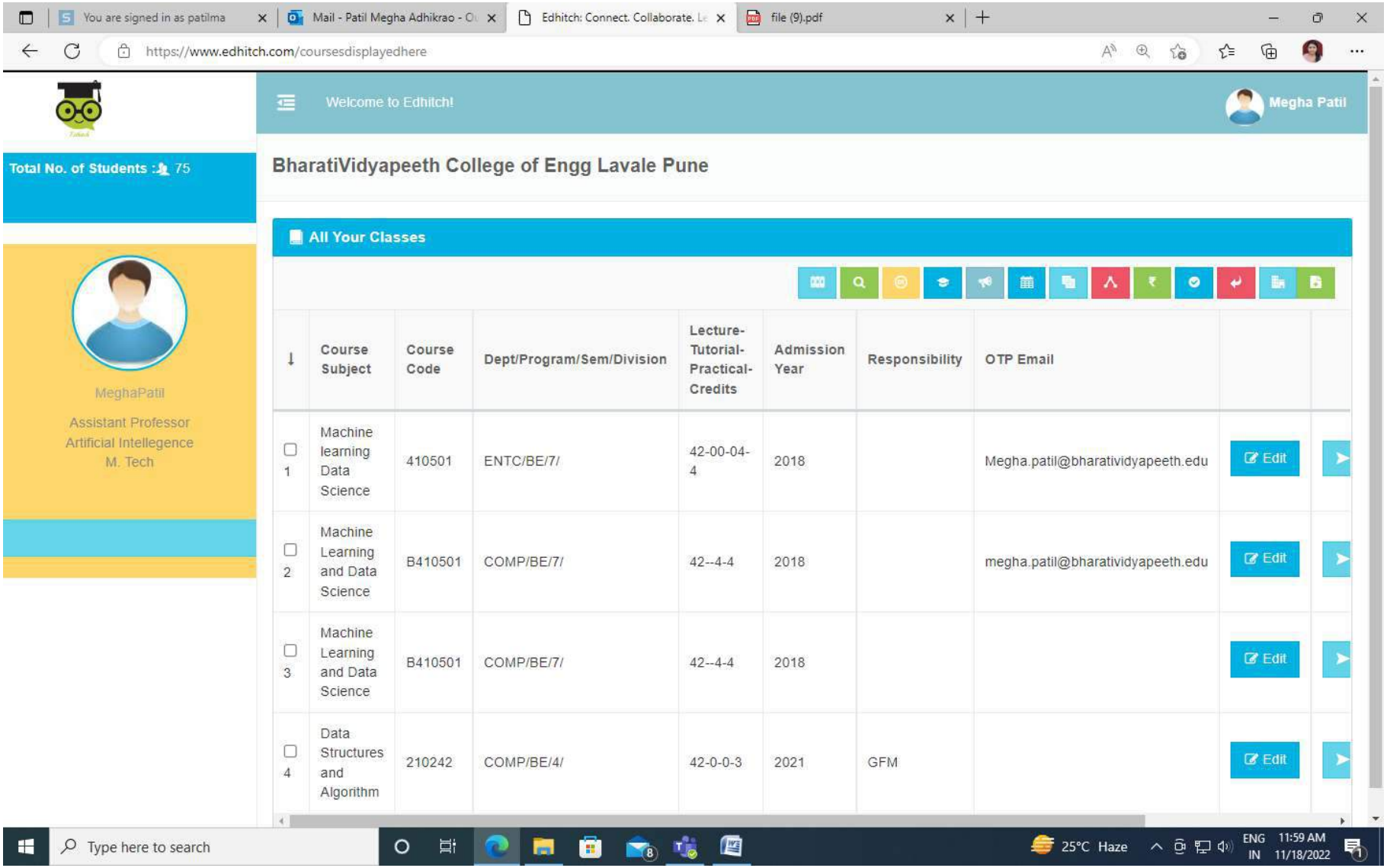
A fascinating review of disasters caused by computer malfunctions (hardware, software and human error) is given in Peter G. Neumann, *Computer-Related Risks*, Addison-Wesley; ACM Press, 1995.

In conjunction with the ACM, Peter Neumann also moderates a USENET newsgroup called comp.risks, which documents incidents of computer-related risks. Archives are available at http://catless.ncl.ac.uk/Risks/

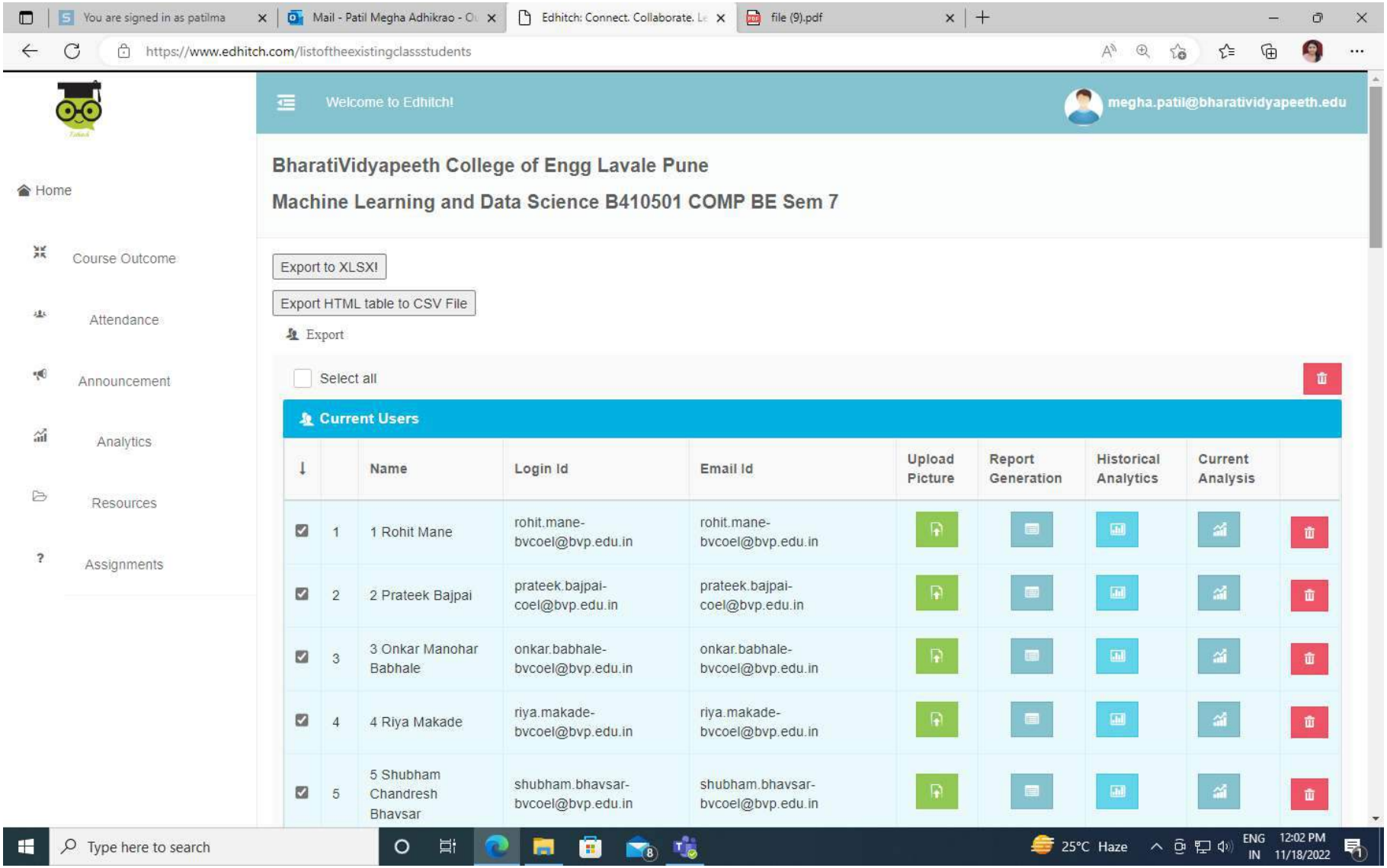
For an up-to-date look at how software professionals see their role, look at the newsletter of the ACM Special Interest Group in Software Engineering, called Software Engineering Notes (SEN), published bi-monthly. Its Web address is http://www.acm.org/sigs/sigsoft/SEN/

The equivalent periodical from the IEEE is simply called *Software*. This is produced by and for practitioners, reflecting their current concerns and interests, such as software costs.

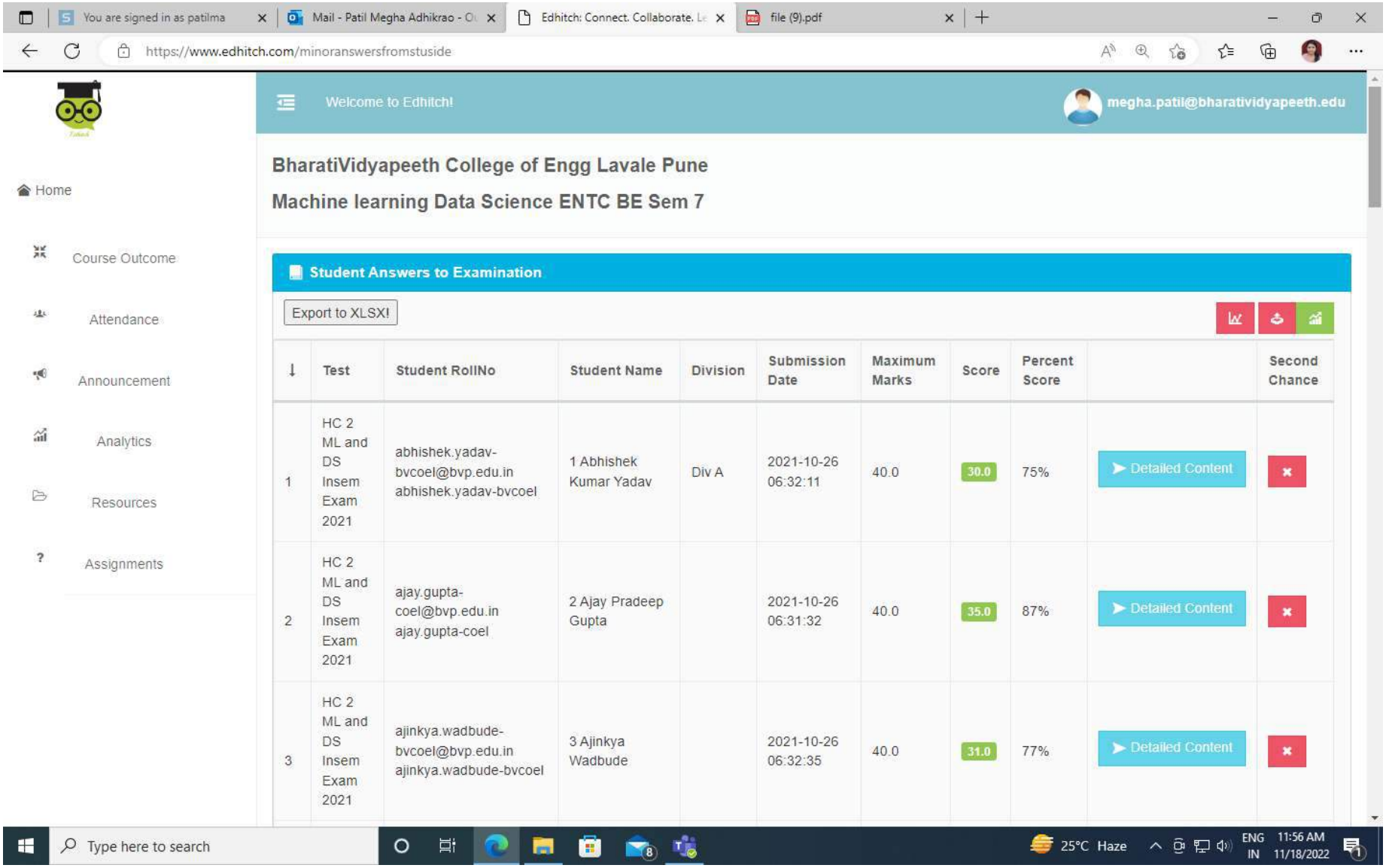
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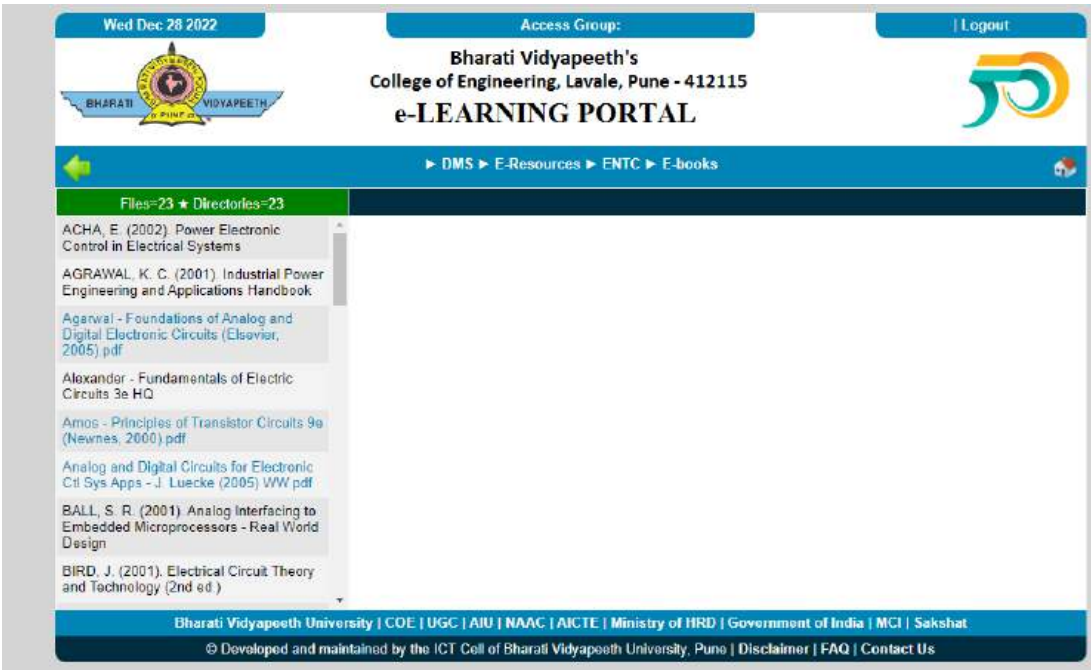
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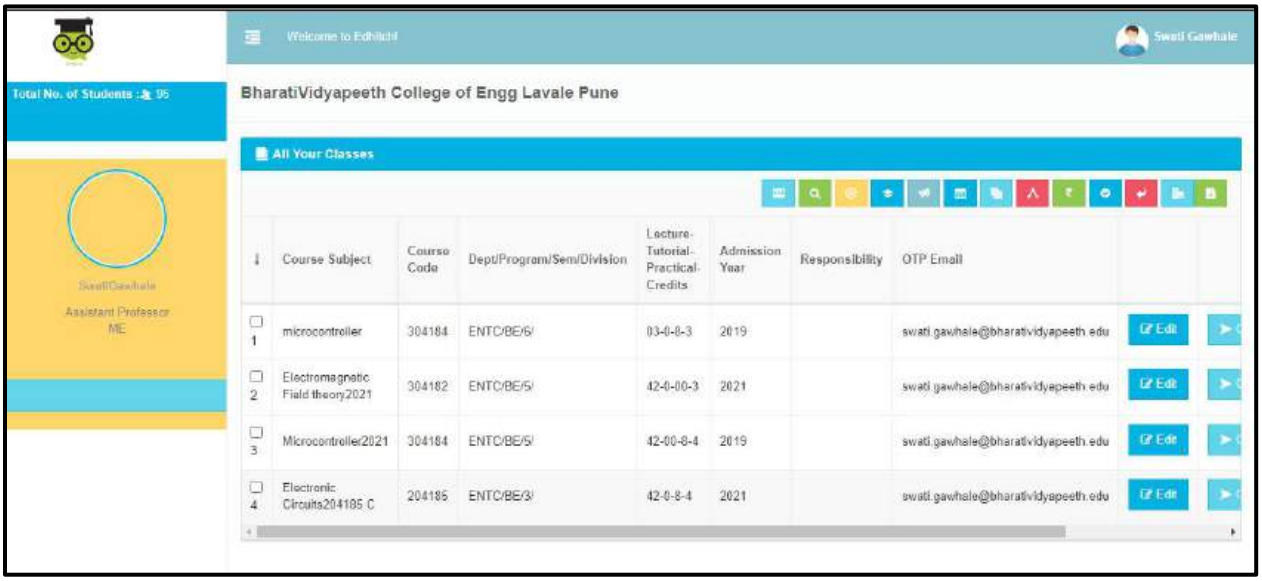
Students Test on Edhitch



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2	HC 2 ML and DS Insem Exam 2021	ajay.gupta-coel@bvp.edu.in ajay.gupta-coel	2 Ajay Pradeep Gupta		2021-10-26 06:31:32	40.0	35.0	87%	Detailed Content	
3	HC 2 ML and DS Insem Exam 2021	ajinkya.wadbude-bvcoel@bvp.edu.in ajinkya.wadbude-bvcoel	3 Ajinkya Wadbude		2021-10-26 06:32:35	40.0	31.0	77%	Detailed Content	

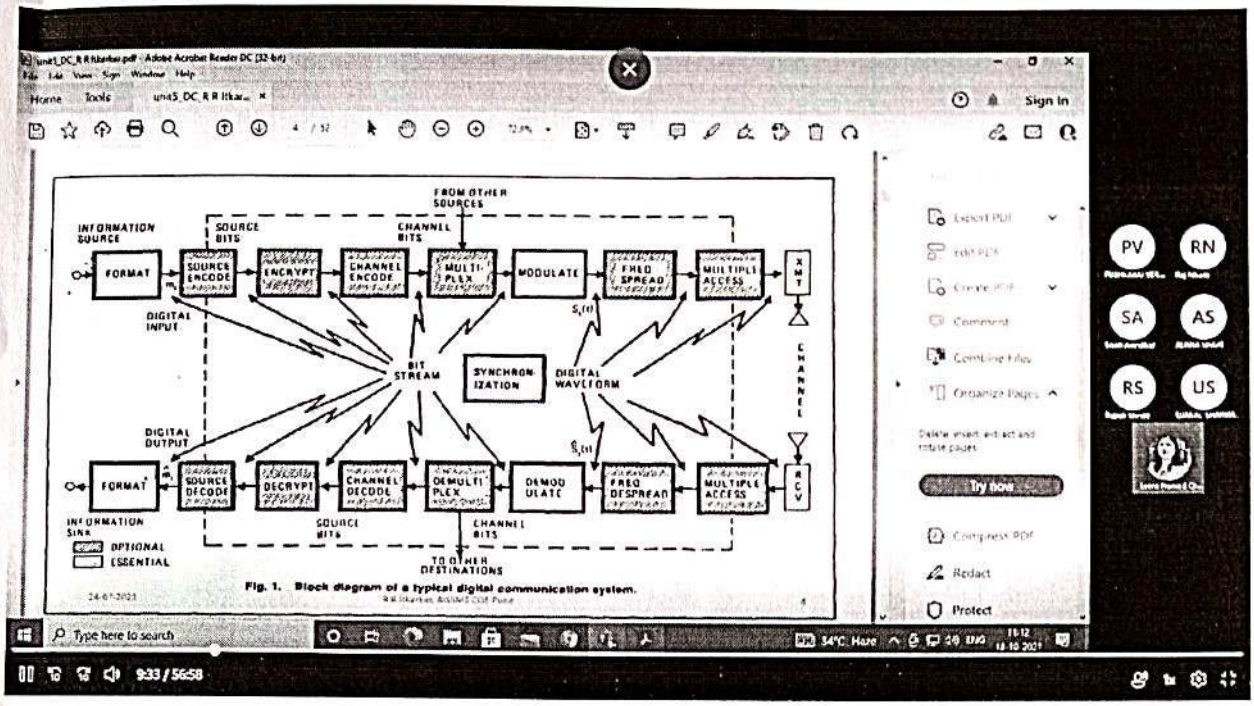

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Agarwal - Foundations of Analog and Digital Electronic Circuits (Elsevier, 2005).pdf
Alexander - Fundamentals of Electric Circuits 3e HQ
Amos - Principles of Transistor Circuits 9e (Newnes, 2000).pdf
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BALL, S. R. (2001). Analog Interfacing to Embedded Microprocessors - Real World Design
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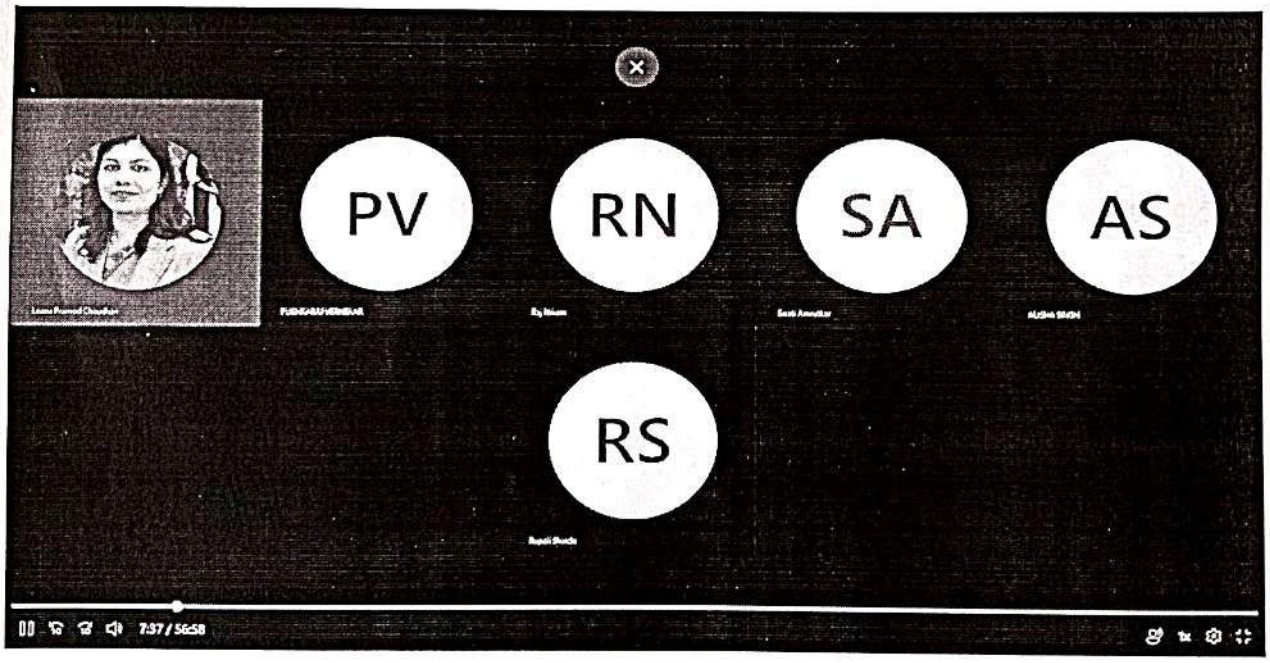
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Meeting End Ti	12/23/2021, 1:34:13 PM					
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Swati Amrutkar	12/23/2021, 11:59:19 AM	12/23/2021, 12:18:41 PM	19m 22s	swati.amrutkar-coel@bvp.edu.in	Presenter	swati.amrutkar-coel_bvp.edu.in#EXT#@bvpit.onmicrosoft.com
ALISHA SINGH	12/23/2021, 12:00:40 PM	12/23/2021, 12:18:39 PM	17m 58s	alisha.singh-bvcoel@bvp.edu.in	Presenter	alisha.singh-bvcoel@bvp.edu.in
AKARSH PODDAR	12/23/2021, 12:01:52 PM	12/23/2021, 12:18:42 PM	16m 49s	akarsh.poddar-bvcoel@bvp.edu.in	Presenter	akarsh.poddar-bvcoel_bvp.edu.in#EXT#@bvpit.onmicrosoft.com
Leena Pramod Chaudhari	12/23/2021, 12:02:45 PM	12/23/2021, 1:34:13 PM	1h 31m	chaudhari.leena@bharatividyapeeth.edu	Organizer	chaudhari.leena@bharatividyapeeth.edu
Gawhale Swati Gopal	12/23/2021, 12:02:48 PM	12/23/2021, 1:34:12 PM	1h 31m	swati.gawhale@bharatividyapeeth.edu	Presenter	swati.gawhale@bharatividyapeeth.edu
Himanshu Dethe (Guest)	12/23/2021, 12:19:01 PM	12/23/2021, 12:35:06 PM	16m 4s		Presenter	

YASH CHOUBHARE	12/23/2021, 12:19:25 PM	12/23/2021, 12:35:09 PM	15m 43s	yash.choubhare-bvcoel@bvp.edu.in	Presenter	yash.choubhare-bvcoel_bvp.edu.in#EXT#@bvpit.onmicrosoft.com
prajakta	12/23/2021, 12:20:14 PM	12/23/2021, 12:35:08 PM	14m 54s		Presenter	
Aryan Gaupal	12/23/2021, 12:35:27 PM	12/23/2021, 12:46:49 PM	11m 21s	aryan.gaupal-coel@bvp.edu.in	Presenter	aryan.gaupal-coel_bvp.edu.in#EXT#@bvpit.onmicrosoft.com
AMRUT JADHAV	12/23/2021, 12:35:36 PM	12/23/2021, 12:46:49 PM	11m 12s	amrut.jadhav-bvcoel@bvp.edu.in	Presenter	amrut.jadhav-bvcoel_bvp.edu.in#EXT#@bvpit.onmicrosoft.com
JANHAVI GUDADHE	12/23/2021, 12:35:39 PM	12/23/2021, 12:46:50 PM	11m 11s	janhavi.gudadhe-bvcoel@bvp.edu.in	Presenter	janhavi.gudadhe-bvcoel_bvp.edu.in#EXT#@bvpit.onmicrosoft.com
PUSHKARAJ VERNEKAR	12/23/2021, 12:45:00 PM	12/23/2021, 12:52:28 PM	7m 27s	pushkaraj.vernekar-bvcoel@bvp.edu.in	Presenter	pushkaraj.vernekar-bvcoel_bvp.edu.in#EXT#@bvpit.onmicrosoft.com

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KARAN AHIRE	12/23/2021, 12:45:42 PM	12/23/2021, 1:02:36 PM	16m 53s	karan.ahire-bvcoel@bvp.edu.in	Presenter	karan.ahire-bvcoel_bvp.edu.in#EXT#@bvpit.onmicrosoft.com
Rajdeep Korpe .(Guest)	12/23/2021, 1:00:59 PM	12/23/2021, 1:12:12 PM	11m 12s		Presenter	
ANIMESH MORE	12/23/2021, 1:02:13 PM	12/23/2021, 1:12:11 PM	9m 57s	animesh.more-bvcoel@bvp.edu.in	Presenter	animesh.more-bvcoel_bvp.edu.in#EXT#@bvpit.onmicrosoft.com
vyankat	12/23/2021, 1:02:18 PM	12/23/2021, 1:12:13 PM	9m 54s		Presenter	
Raj Nikam	12/23/2021, 1:10:59 PM	12/23/2021, 1:21:52 PM	10m 53s	raj.nikam-coel@bvp.edu.in	Presenter	raj.nikam-coel_bvp.edu.in#EXT#@bvpit.onmicrosoft.com

Bhavana Pawar	12/23/2021, 1:11:19 PM	12/23/2021, 1:21:46 PM	10m 27s	bhavana.pawar-coel@bvp.edu.in	Presenter	bhavana.pawar-coel_bvp.edu.in#EXT#@bvpit.onmicrosoft.com
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Rupali Shinde	12/23/2021, 1:20:23 PM	12/23/2021, 1:32:53 PM	12m 30s	rupali.shinde-coel@bvp.edu.in	Presenter	rupali.shinde-coel_bvp.edu.in#EXT#@bvpit.onmicrosoft.com

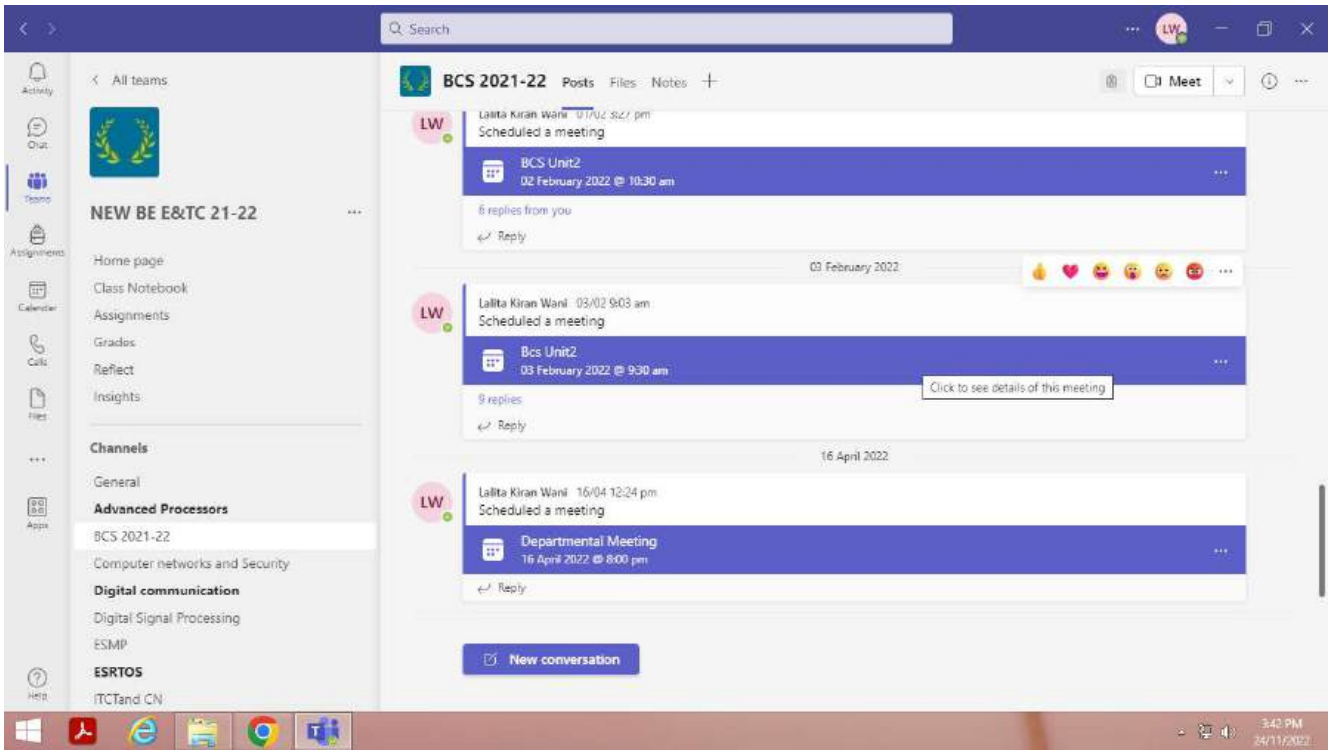
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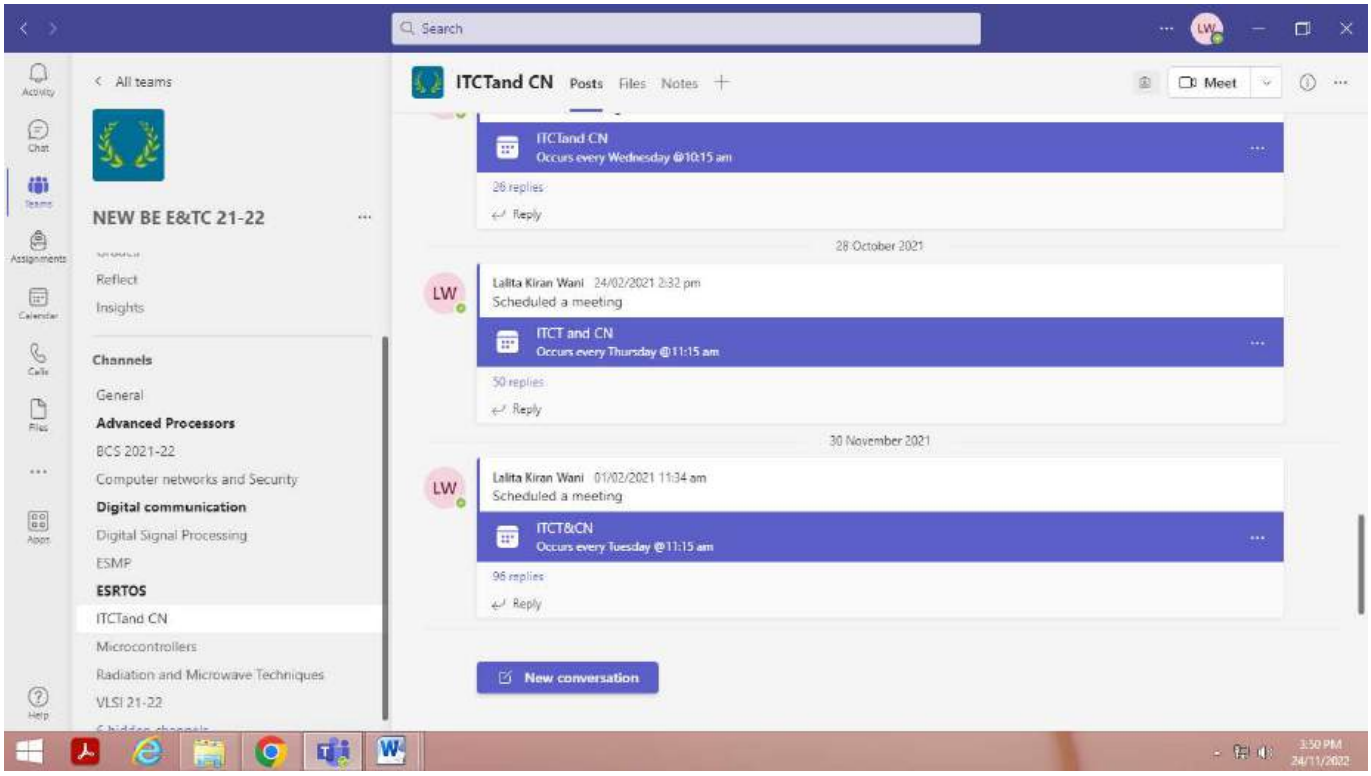
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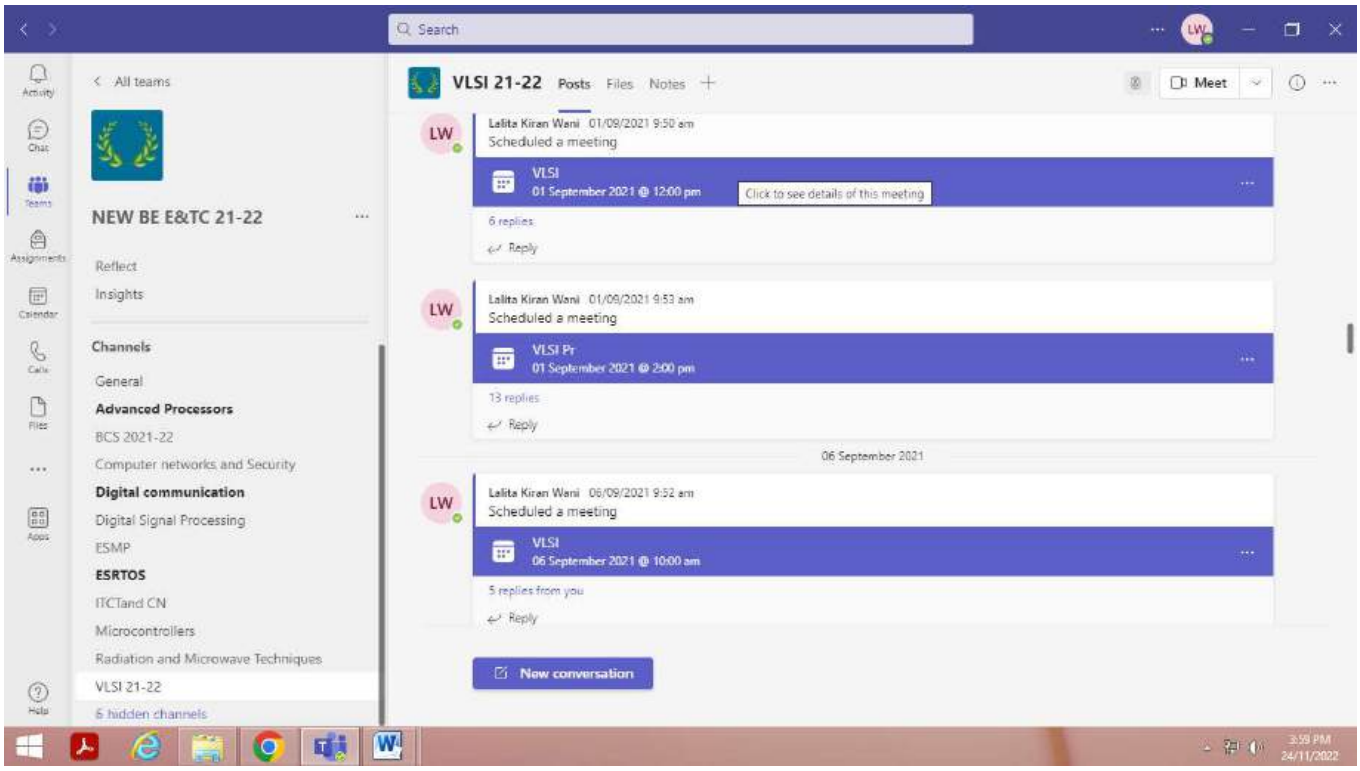
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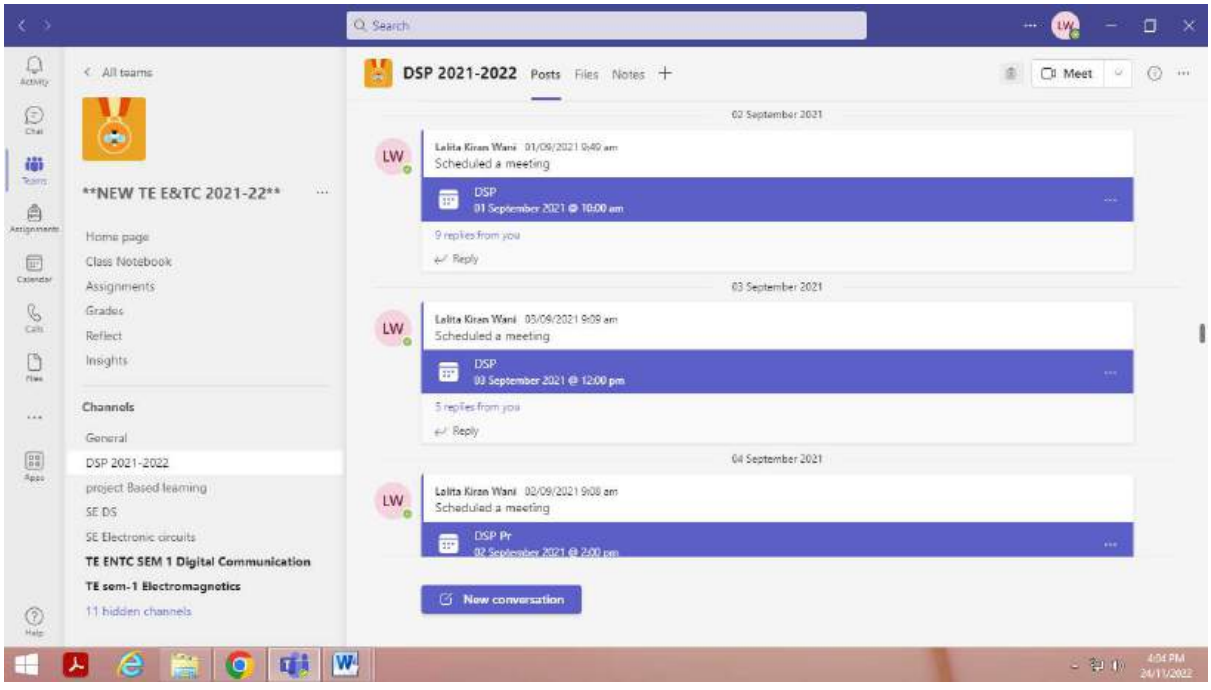
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Analysis and Synthesis of Arithmetic Expressions using Adders/Subtractors

INTRODUCTION THEORY OBJECTIVE PROCEDURE SIMULATOR QUIZZES REFERENCE

Introduction

About the Experiment

This experiment enables a student to learn

- How to realize the functionality of IC 7483, a 4 bit binary full adder
- How to realize the functionality of 8 bit full adder by carcading two 7483 chips(two 4 bit full adder)
- how to implement a 4 bit adder/substractor.

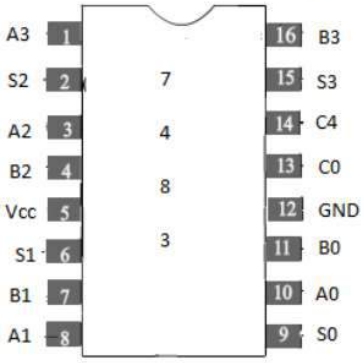
Analysis and Synthesis of Arithmetic Expressions using Adders/Subtractors

INTRODUCTION | THEORY | OBJECTIVE | PROCEDURE | SIMULATOR | QUIZZES | REFERENCE

Theory

Part I

IC 7483 is 4-bit binary full adder which accepts two 4-bit binary words $A_3A_2A_1A_0$ and $B_3B_2B_1B_0$ and a carry input (C_0) as inputs and produces a 4-bit binary sum output $S_3S_2S_1S_0$ and a carry output C_4.



The students of virtual DEC Laboratory can verify the functionality of the 7483 chip.Although in principle,there can be 2^9=512 input paterns possible,the students can verify all zero,all one and some other patterns.

Part II

Cascading of two 7483 chips to achieve addition of two 8-bit numbers A = $A_8A_7A_6A_5A_4A_3A_2A_1$ and B = $B_8B_7B_6B_5B_4B_3B_2B_1$ to produce Sum = $S_8S_7S_6S_5S_4S_3S_2S_1$ and carry output C_9 of the 2^{17} input patterns possible , the students can test the 8bit adder for all zeros , all ones and some other input patterns.

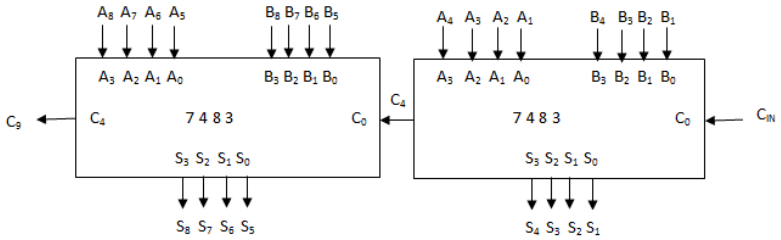


Figure 2

Part III

To implement a 4 bit adder/subtractor using 2's complement number system.Students learnt the use of 7486 (qued 2-input Ex-OR gates)in experiment 3.Using a 7483(parallel adder) and a 7486 chip one can realize 4 bit adder/subtractor.If ADD/SUB = "0" normal addition S = A + B performed.On the other hand if ADD/SUB = "1" then S = A + [B] + 1 where [B] = 1's complement of B. For example,if A = 0111(7) and B = 0101(5) then [B] = 1010 and S = 0010 or 2 neglecting carry out C_4.If however A = 0101(5) and B = 0111(7) then B = 1000; or S = 1110 which represents -2 in 2's complement number system.

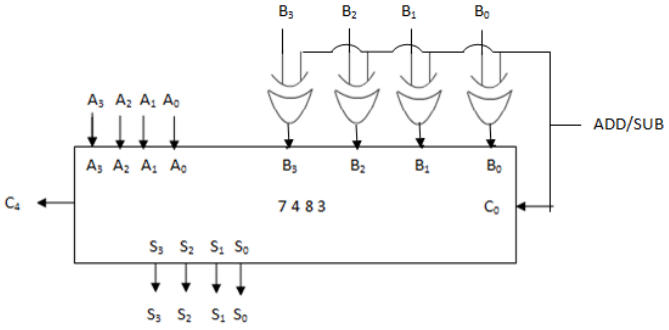


Figure 3

Analysis and Synthesis of Arithmetic Expressions using Adders/Subtractors

INTRODUCTION THEORY OBJECTIVE PROCEDURE SIMULATOR QUIZZES REFERENCE

Objective

Aim of the Experiment

The objective of part 1 of the experiment is to fully understand the functionality of 4 bit binary full adder.
The objective of part 2 of the experiment is to fully understand the functionality of 8 bit full adder by carcading to 7483 chips(two 4 bit full adder).
The objective of part 3 of the experiment is to fully understand the functiponality and implementation of 4 bit adder/subtractor.

Analysis and Synthesis of Arithmetic Expressions using Adders/Subtractors

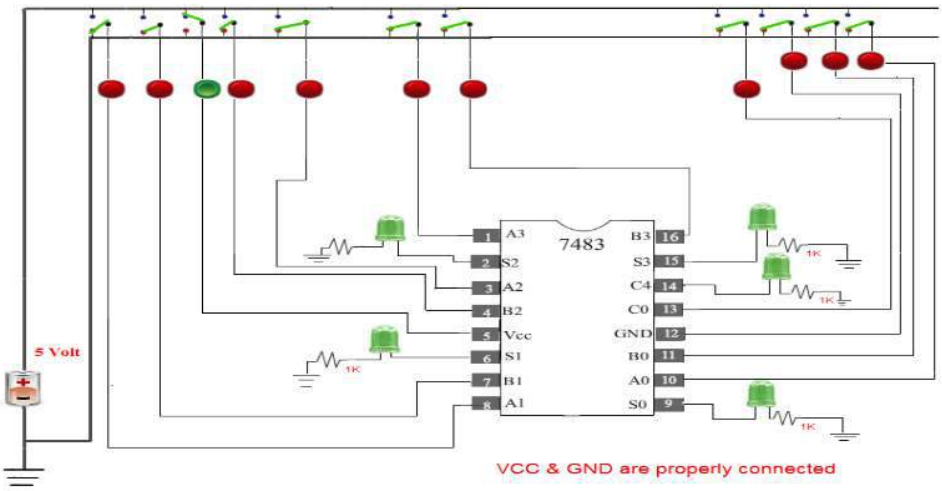
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Procedure

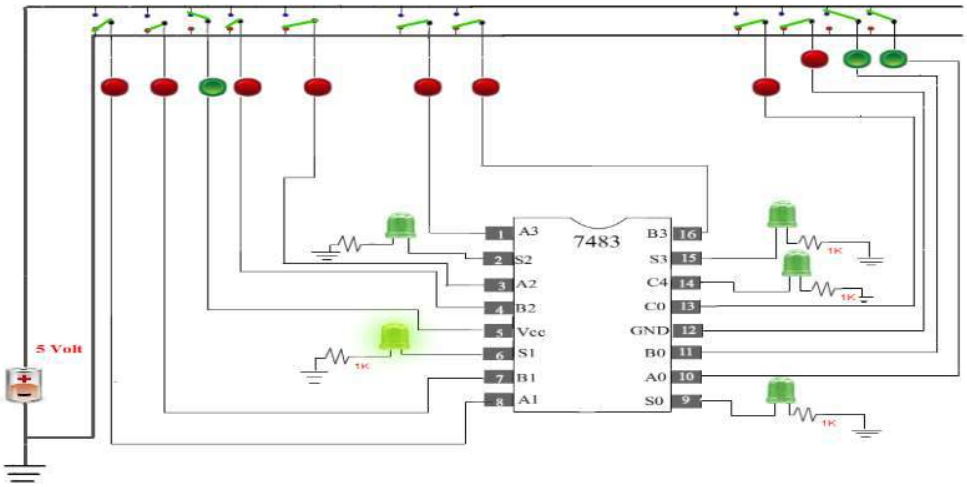
Please follow these steps to do the experiment.

Please follow these steps to do the experiment(Part-I)

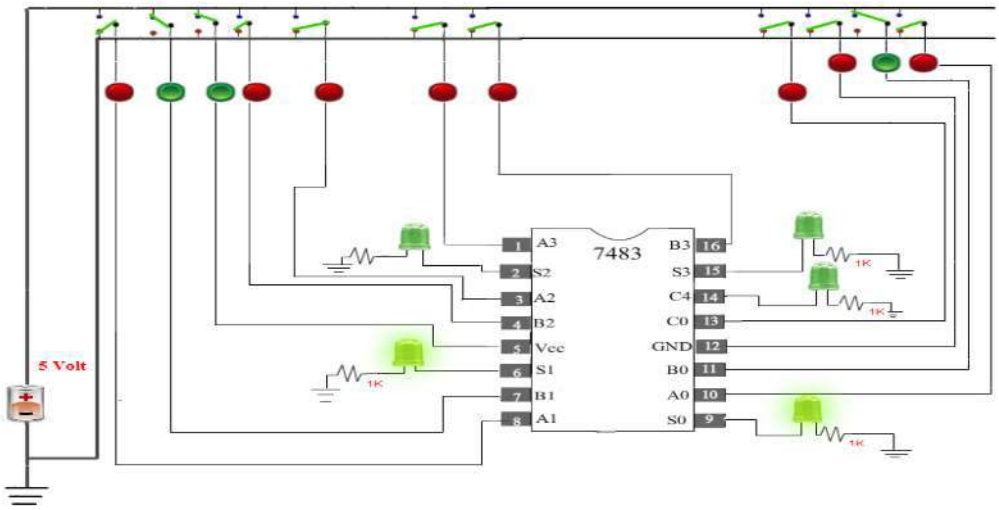
1. At first click on the V_{cc} switch that means V_{cc} = 1 and GND = 0 , show message Vcc & GND properly connected.



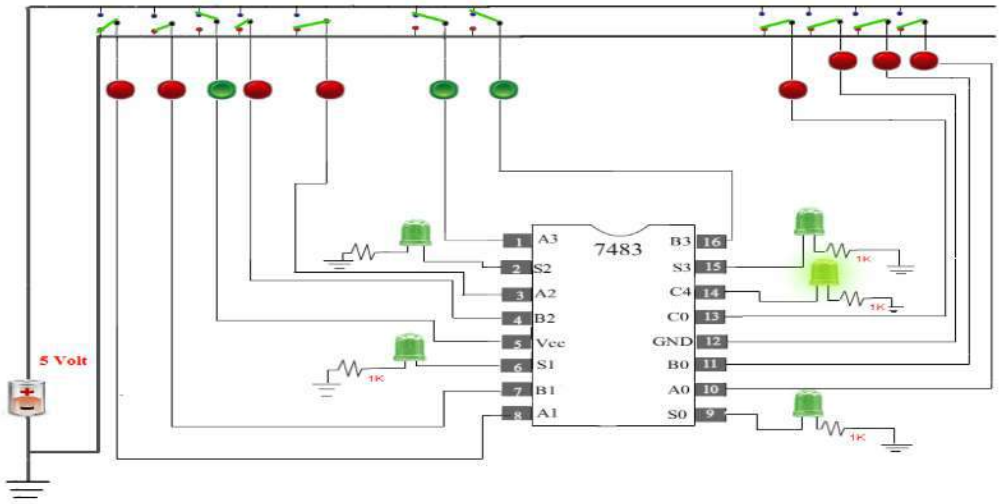
2. Next, A_0= 1, A_1= 0, A_2= 0, A_3= 0 and B_0= 1, B_1= 0, B_2= 0, B_3= 0 now you can see the output result of S_0= 0, S_1= 1, S_2= 0, S_3= 0 and C_4= 0.



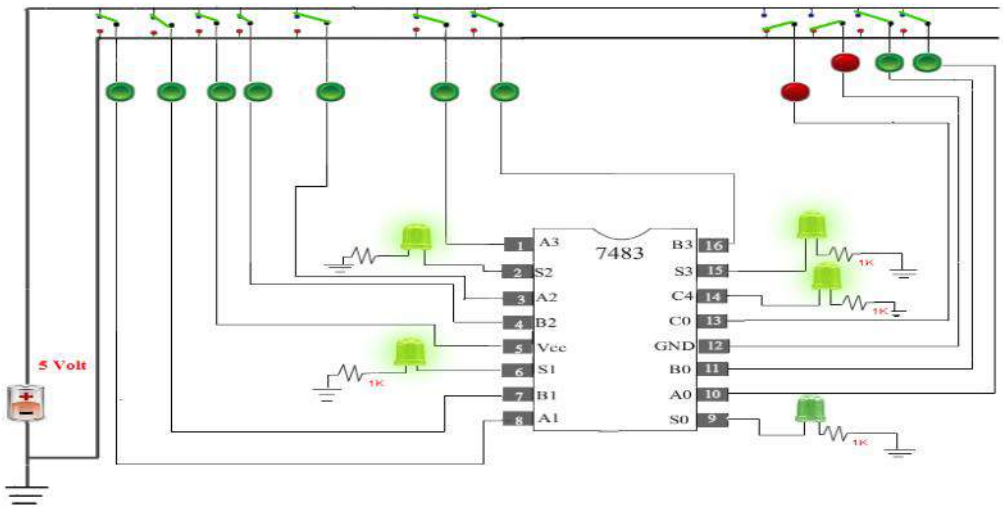
3. Next, $A_0= 0$, $A_1= 0$, $A_2= 0$, $A_3= 0$ and $B_0= 1$, $B_1= 1$, $B_2= 0$, $B_3= 0$ now you can see the output result of $S_0= 1$, $S_1= 1$, $S_2= 0$, $S_3= 0$ and $C_4= 0$.



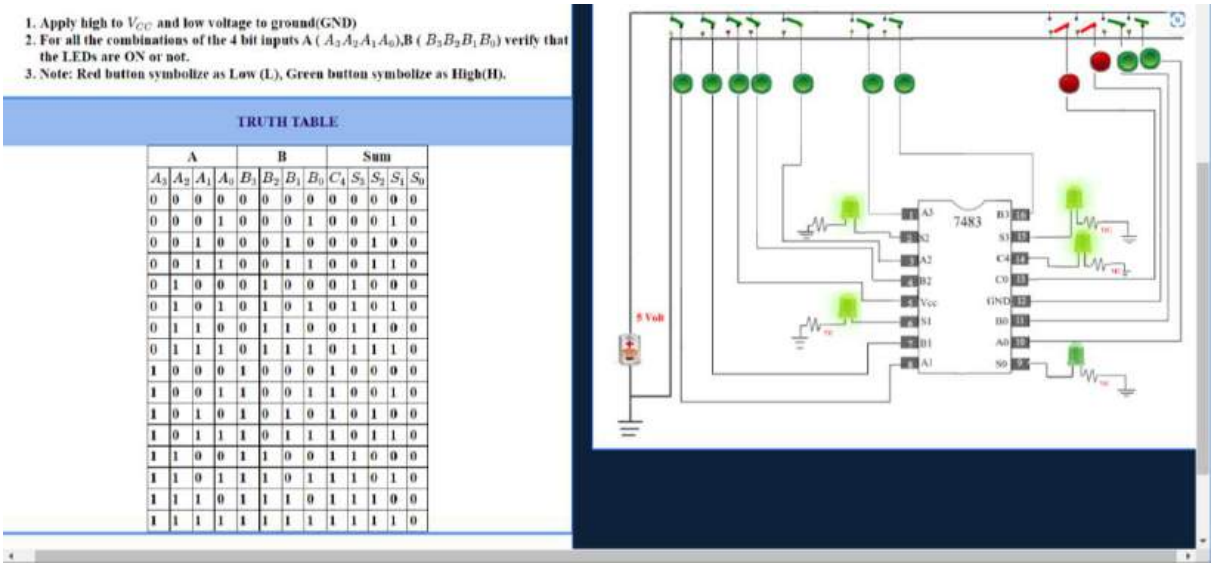
4. Next, $A_0= 0$, $A_1= 0$, $A_2= 0$, $A_3= 1$ and $B_0= 0$, $B_1= 0$, $B_2= 0$, $B_3= 1$ now you can see the output result of $S_0= 0$, $S_1= 0$, $S_2= 0$, $S_3= 0$ and $C_4= 1$.



5. Next, A_0= 1, A_1= 1, A_2= 1, A_3= 1 and B_0= 1, B_1= 1, B_2= 1, B_3= 1 now you can see the output result of S_0= 0, S_1= 1, S_2= 1, S_3= 1 and C_4= 1.



OUTPUT:- PART 1



1. Apply high to V_{CC} and low voltage to ground(GND)
2. For all the combinations of the 4 bit inputs A ($A_3A_2A_1A_0$),B ($B_3B_2B_1B_0$) verify that the LEDs are ON or not.
3. Note: Red button symbolize as Low (L), Green button symbolize as High(H).

TRUTH TABLE

A				B				Sum			
A_3	A_2	A_1	A_0	B_3	B_2	B_1	B_0	C_4	S_3	S_2	S_1	S_0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	1	0	0	0	1	0
0	0	1	0	0	0	1	0	0	0	1	0	0
0	0	1	1	0	0	1	1	0	0	1	1	0
0	1	0	0	0	1	0	0	0	1	0	0	0
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1	1	0	1	1	1	0	1	1	1	0	1	0
1	1	1	0	1	1	1	0	1	1	1	0	0
1	1	1	1	1	1	1	1	1	1	1	1	0

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T29996	None	OPS - Core i5 11th Gen / 8GB / 256GB SSD + 1TB SATA HDD	Trueview	84713010	4	₹26300.00	0.0%	₹0.00	₹26300.00	₹105200.00

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84714190	4	₹ 3,69,376.00	(9.0%) ₹ 33,243.84	(9.0%) ₹ 33,243.84
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