

Faculty Name: Prof.A.B.Wani

Research Publications, Books Published and Patents

1) International Journals

Sr. No.	Year of Publication	Name of the Author (s)	Title of Paper	Name of the Journal	ISSN	Volume & Issue	Weblink / URL to Journal	Weblink / URL to Paper	Is it Scopus Indexed/UGC-CARE listed /WoS Indexed?	Research Gate Link of the Article PDF
1	23-24	Prof. A.B. Wani	MH-SIA: multi-objective handover using swarm intelligence algorithm for future wireless communication system	Wireless Networks (2024) 30:2617–2632 Springer Nature	Wireless Networks (2024) 30:2617–2632	(30) Feb.2024		https://www.researchgate.net/publication/378595737_MH-SIA_multi-objective_handover_using_swarm_intelligence_algorithm_for_future_wireless_communication_system	Springer Nature	https://www.researchgate.net/publication/378595737_MH-SIA_multi-objective_handover_using_swarm_intelligence_algorithm_for_future_wireless_communication_system

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2	23-24	Prof. A.B. Wani	Implementation of AI-Based Robotic Self Navigation System	IJRASET	2321- 9653	Volum e 12, Issue V, May 2024			UGC Care	
3	22-23	Prof. A.B. Wani	FAULT TRACING OF WIRING HARNESSCOMBI NED WITH AUTOMATED REALITY	GIS- Science journal	1869- 9391	Volum e10,is sue-5, June2 023	www.wireles snetwork.or g	https://www. researchgat e.net/public ation/37157 4751_fault_t racing_of_w iring_harnes s_combined _with_auto mated_realit y#fullTextFil eContent	UGC Care	https:// www.re search gate.ne t/public ation/3 715747 51_faul t_tracin g_of_w iring_h arness _combi ned_wi th_auto mated_ reality# fullText FileCo ntent
4	22-23	Prof. A.B. Wani	Smart Mirror	American Scientific Research Journal for Engineering, Technology, and Sciences	480- 483	Volum e 09issu e(05):	www.asrjet. org	https://www. researchgat e.net/public ation/36271 5944_Smart _Mirror	UGC Care	https:// www.re search gate.ne t/public ation/3 627159 44_Sm art_Mirr or

5	21-22	Prof. A.B. Wani	A Survey on technical aspect of femtocell Networks	IJCRT	F62-F75	Volume 9, Issue 5		https://www.researchgate.net/publication/362715021_A_Survey_on_technical_aspect_of_femtocell_Networks	UGC peer Reviewed	https://www.researchgate.net/publication/362715021_A_Survey_on_technical_aspect_of_femtocell_Networks
6	21-22	Prof. A.B. Wani	Systematic Review of Recent Handover Techniques Femtocell and Microcell in LTE-A	TURCOMAT	2054-2065	Volume(12), Issue (13)	www.turcomat.net	https://www.researchgate.net/publication/362714400_Systematic_Review_of_Recent_Handover_Techniques_Femtocell_and_Microcell_in_LTE-A	UGC Care/Scopus	https://www.researchgate.net/publication/362714400_Systematic_Review_of_Recent_Handover_Techniques_Femtocell_and_Microcell_in_LTE-A

7	20-21	Prof. A.B. Wani	BORDER SECURITY USING COMPUTER VISION	IJRET	01-04	Volume(06), Issue (03)	www.irjet.net	https://www.researchgate.net/publication/362715215_IRJET-BORDER_SECURITY_USING_COMPUTER_VISION_IRJET_Journal	UGC peer Reviewed	https://www.researchgate.net/publication/362715215_IRJET-BORDER_SECURITY_USING_COMPUTER_VISION_IRJET_Journal
8	18-19	Prof. A.B. Wani	Wheelchair with Health monitoring system using IOT	IRJET	1063-1067	Volume(04), Issue (05)	www.irjet.net	https://www.researchgate.net/publication/362733219_IRJET_e-ISSN_2395-0056_Impact_Factor_value_5	UGC peer Reviewed	https://www.researchgate.net/publication/362733219_IRJET_e-ISSN_2395-0056_Impact_Factor_value_5
9	15-16	Prof. A.B.	IOT based remote access Human	IJCSCMC	816-826	Volume(05),	www.ijcsmc.net	https://www.researchgate.net	UGC peer	https://www.re

		Wani	control robot using MEMS Sensor			Issue (03)		e.net/publication/362717367_Abhishek_Deendayal_Patil_et_al	Reviewed	searchgate.net/publication/362717367_Abhishek_Deendayal_Patil_et_al
10	15-16	Prof. A.B. Wani	HRV Analysis of Arrhythmias using Wavelet based on Statistical Parameters	International Journal of Engineering Research and Technology	688-691	Volume(04), Issue (08)	www.ijert.net	https://www.researchgate.net/publication/282392001_HRV_Analysis_of_Arrhythmias_using_Wavelet_based_on_Statistical_Parameters	UGC peer Reviewed	https://www.researchgate.net/publication/282392001_HRV_Analysis_of_Arrhythmias_using_Wavelet_based_on_Statistical_Parameters

National Journals

Sr. No.	Calendar Year of Publication	Name of the Author(s)	Title of Paper	Name of the Journal	ISSN	Volume & Issue	Weblink / URL to Journal	Weblink / URL to Paper	Is it Scopus Indexed/UGC-CARE listed	Research Gate Link of the
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									/WoS Indexed?	Article PDF
	Nil									

International Conference Proceedings

Sr. No.	Calendar Year of Publication	Name of the Author(s)	Title of Paper / Proceedings	Name of the Conference	ISBN of the Proceedings	Weblink / URL to Conference Proceedings / Paper (if any)
1	Nil					

National Conference Proceedings

Sr. No.	Calendar Year of Publication	Name of the Author(s)	Title of Paper / Proceedings	Name of the Conference	ISBN of the Proceedings	Weblink / URL to Conference Proceedings / Paper (if any)
	Nil					

Books Published

Sr. No.	Calendar Year of Publication	Name of the Author(s)	Name of the Book	Publisher	Level (University/National/International/Others)	ISBN of the book
	Nil					

Patents

Sr. No.	Patent Application No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Applicant/s Name	Patent Filed Date (DD/MM/YYYY)	Patent Published Date / Granted Date (DD/MM/YYYY)	Patent Publication Number / Patent Granted Number	Assignee/s Name (Institute Affiliation/s at time of Application)	Here, attach Source Proof Screenshots/URL/ Website Links, etc.
1	202221050470	Filed	Prof. Atul B.wani	Eco friendly Electricity Generation & numerical Analysis Via GYM Equipments	Prof. Atul B. Wani.	03/09/2022	23/09/2022	38/2022	Bharati Vidyapeeth College of Engineering	www.ip.in/38/2022/60352

Faculty Name: Dr. Lalita Kiran Wani

Research Publications, Books Published and Patents

1) International Journals(14)

Sr. No.	Calendar Year of Publication	Name of the Author(s)	Title of Paper	Name of the Journal	ISSN	Volume & Issue	Weblink / URL to Journal	Weblink / URL to Paper	Is it Scopus Indexed/UGC-CARE listed /WoS Indexed?
1	April 2024	Dr. Lalita Kiran Wani	Analysis Of Om (AUM) Chanting Using Machine Learning	(EATP) Educational Administration: Theory and Practice	ISSN:2148-2403	Vol. 30 No. 4 (2024): In-Press	https://doi.org/10.5355/kuey.v30i4.1441	https://doi.org/10.5355/kuey.v30i4.1441	Scopus
2	April 2024	Dr. Lalita Kiran wani	REAL – TIME DISPLAY OF WEATHER PARAMETERS	Anvesak	ISSN:0378-4568	Vol. 54, :issue- 01	Peer Reviewed and Referred Journal	Peer Reviewed and Referred Journal	UGC Care
3	April 2024	Dr. Lalita Kiran wani	Brain Computer Interface Using EEG Signals	Anvesak	ISSN:0378-4568	Vol. 54, :issue- 01	Peer Reviewed and Referred Journal	Peer Reviewed and Referred Journal	UGC Care
4	Nov-2022	Prof. Lalita Kiran wani	Low Power VLSI Intelligent Circuits Design	IJFANS International Journal of Food and	e-ISSN 2320 – 7876	Vol.11,S Iss 1, 2022	www.ijfans.org	chrome-extension://efaidnbmnnnibpcajpc	UGC Care

			Methodologies	Nutritional Sciences				gclefindmkaj/https://www.ijfans.org/uploads/paper/8a66834693ff1ba2fd2a5b218bfe818f.pdf	
5	Nov-2022	Prof. Lalita Kiran wani	Intelligent Face Detection using Machine Learning	Advances in Water Science	ISSN: 1001-6791	Vol.33 No.4		https://www.researchgate.net/publication/371539945_Intelligent_Face_Detection_using_Machine_Learning#fullTextFileContent	Scopus
6	May-2023	Prof. Lalita Kiran wani	Garbage Segregation and Management System	Journal For Basic Sciences	ISSN No:1006-8341	Vol.23, Issue 5		https://www.researchgate.net/publication/371539997_Garbage_Segregation_and_Management_System#fullTextFileContent	UGC Care
7	June-2023	Prof. Lalita Kiran wani	Using Yolo V7 Developm	Journal of Survey in Fisheries	ISSN: 2368-7487	Vol. 10 No. 4S (2023): Special		https://www.researchgate.net/pu	Scopus

			ent Of Complete Vids Solution Based On Latest Requirements To Provide Highway Traffic And Incident Real Time Info To The Atms Control Room Using Artificial Intelligence	Sciences (SFS)		Issue 4		blication/372078659_Using_Yolo_V7_Development_Of_Complete_Vids_Solution_Based_On_Latest_Requirements_To_Provide_Highway_Traffic_And_Incident_Real_Time_Info_To_The_Atms_Control_Room_Using_Artificial_Intelligence	
8	Nov-2020	Prof. Lalita Kiran wani	Review Of Scientific Analysis Of Sacred Sound OM (AUM)	Journal of Emerging Technologies and Innovative Research	ISSN : 2349-5162	Volume 7 Issue 11	https://www.jetir.org/index.html	http://www.jetir.org/view?paper=JETIR2011207	UGC Care
9	Sep-2020	Prof. Lalita Kiran wani	Implementation of IoT and Voice control for Industrial Automation	International Journal of Innovative Research in Science,	e-ISSN: 2319-8753,	Volume 9 ,Issue 9		chrome-extension://efaidnbmninnbpcajpcgclefindmkaj/https://w	UGC Care

			n	Engineering and Technology (IJIRSET)				ww.ijirset.com/upload/2020/september/77_Implementation_NC.PDF	
10	May-2022	Prof. Lalita Kiran wani	"Vehicle Crash Detection using YOLO Algorithm"	SCIENCE AND MOBILE COMPUTING	ISSN (Online): 2320-088X	VOLUME 11 ISSUE 5	https://ijcsmc.com/index.php/volume-11-issue-5-may-2022/	chrome-extension://efaidnbmninnbpcajpcgclefindmkaj/https://ijcsmc.com/docs/papers/May2022/V11I5202216.pdf	UGC approved
11	November 2020	Prof. Lalita Kiran wani	REVIEW OF SCIENTIFIC ANALYSIS OF SACRED SOUND OM (AUM)	Journal of Emerging Technologies and Innovative Research (JETIR)	(ISSN-2349-5162)	Volume 7, Issue 11	www.jetir.org	https://www.researchgate.net/publication/347557728_REVIEW_OF_SCIENTIFIC_ANALYSIS_OF_SACRED_SOUND_OM_AUM#fullTextFileContent	UGC approved
12	March 2021	Prof. Lalita Kiran wani	FREQUENCY ANALYSIS OF	(ICMRD) International Conference	DOI: https://doi.org/10.176	<u>Vol. 6 No. ICMRD21 (2021): ICMRD-21</u>	https://iejrd.com/index.php/%20/article/view	https://www.researchgate.net/publication/3	

			SACRED SOUND_OM_ (AUM)	e on Multidisiplinary Research & Development (ICMRD - 2021)	<u>05/OSF.IO/YSC6R</u>		/1775	62538473_FREQUENCY_ANALYSIS_OF_SACRED_SOUND_OM_AUM#fullTextFileContent	
13	March 2022	Prof. Lalita Kiran wani	Vehicle Crash Detection using YOLO Algorithm	INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND MOBILE COMPUTING	ISSN (Online): 2320-088X,	Volume 11, Issue 5	DOI Prefix from CrossRef: 10.47760/ijcsmc,		

2) National Journals

Sr. No.	Calendar Year of Publication	Name of the Author(s)	Title of Paper	Name of the Journal	ISSN	Volume & Issue	Weblink / URL to Journal	Weblink / URL to Paper	Is it Scopus Indexed/UGC-CARE listed /WoS Indexed?
NIL									

3) International Conference Proceedings

Sr. No.	Calendar Year of Publication	Name of the Author(s)	Title of Paper / Proceedings	Name of the Conference	ISBN of the Proceedings	Weblink / URL to Conference Proceedings / Paper (if any)
1	2014	Prof. LalitaKiranwani	An obstacle and track Detection Alert Using Sensor, , GPS and GSM	Technovision		-

4) National Conference Proceedings

Sr. No.	Calendar Year of Publication	Name of the Author(s)	Title of Paper / Proceedings	Name of the Conference	ISBN of the Proceedings	Weblink / URL to Conference Proceedings / Paper (if any)
1	May 2014	Prof. Lalita Kiran wani	Improving Safety with Obstacle Detection and TrackFollowing Car Using Sensor, , GPS and GSM	National Conference on Recent Innovations in Engineering and Technology-2014 (NCRIET-2014)	Volume3, Special Issue 3e- ISSN-2319-1163 pISSN-2321-7308	International Journal of Engineering and technology (IJRET) May 2014
2	Feb2014	Prof. Lalita Kiran wani	Smart Car System Using Sensor, , GPS and GSM	National Conference on emerging Trends in VLSI ,Signal Processing and	National Conference on emerging Trends in VLSI,Signal Processingand Communicatio	National Conference on emerging Trends in VLSI ,Signal Processing and

				Communication	n organized by Department of Electronics and Communication Engineering, United Institute of Technology, Coimbatore	Communication
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5) Books Published

Sr. No.	Calendar Year of Publication	Name of the Author(s)	Name of the Book	Publisher	Level (University/National/International/Others)	ISBN of the book
NIL						

6) Patents

Sr. No.	Calendar Year of Publication	Inventor/s Name	Title of the Patent	Patent Application Number	Status of Patent (Filed, Published, Granted)	Applicant/s Name	Patent Filed Date	Patent Published Date (if any)	Patent Granted Date (if any)
1	2021	DhankeJyotiAtul,KumkumBala,ParinithaChate,LeenaChaudhari,Sw	100% Data Security (Auto Data Store your G-mail and link Share	202121010179	published	DhankeJyotiAtul,KumkumBala,ParinithaChate,LeenaChaudhari,Sw	03/11/2021	26/03/2021	

		atiGawale, L.K.Wani	Reg. mobile number) using AI based Programmi ng.			atiGawale, L.K.Wani			
2	2021	Prof. Deepak S. Sonawane, Dr. Ashok Tayade, Prof. DevdattaM okashi, Prof. SagarDha mone ,Prof. LalitaKiran wani	Intelligent Multiple Regressio n Analysis in Agriculture Crop Productivit y, Rainfall, Fertility, Humidity, Temperatu re using Machine Learning	202121021 761A	Published	Prof. Deepak S. Sonawane, Dr. Ashok Tayade, Prof. DevdattaM okashi, Prof. SagarDha mone ,Prof. LalitaKiran wani	14/5/2021	2/7/2021	
3	2022	Prof. Lalita K. Wani, AmitSandh u , Prof. Dr. Vivek Kumar, Prof.Priyan ka (Director- AMU) , Prof. (Dr.) B.K. Sarkar , Mr. Pawan	Healthcare Big Data Managemen t and Analytics using Blockchain and Machine Learning	202221067 444	Published	Prof. Lalita K. Wani, AmitSandh u , Prof. Dr. Vivek Kumar, Prof.Priyan ka (Director- AMU) ,Prof. (Dr.) B.K. Sarkar , Mr. Pawan	23/11/2022	9/12/2022	

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Dr. Swati G. Gawhale

Research Publications, Books Published and Patents

1) International Journals

Sr. No.	Year of Publication	Name of the Author(s)	Title of Paper	Name of the Journal	ISSN	Volume & Issue	Weblink / URL to Journal	Weblink / URL to Paper	Is it Scopus Indexed/ UGC-CARE listed /WoS Indexed?	Research Gate Link of the Article PDF
1	23-24	Dr. Swati G. Gawhale	EEG Signal Processing for the Identification of Sleeping Disorder Using Hybrid Deep Learning with Ensemble Machine Learning Classifier	International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING	2147-6799	Vol. 11, 10S pg no:- 113–129	https://ijisae.org/index.php/IJISAE	https://ijisae.org/index.php/IJISAE/article/view/3239	Scopus Indexed	https://www.researchgate.net/publication/374629086_EEG_Signal_Processing_for_the_Identification_of_Sleeping_Disorder_Using_Hybrid_Deep_Learning_with_Ensemble_Machine_Learning_Classifier
2	23-24	Dr. Swati	Analysis	Internatio	2147-	Vol. 11,	https://ijisae.org/index.php/IJISAE	https://ijisae.org/index.php/IJISAE	Scopus	https://w

		G. Gawhale	of Critical Diseases from ECG Signal Using Hybrid CNN and LSTM	nal Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING	6799 16 August 2023	NO 10S(2023), pg.no 217-23	ae.org/index.php/IJISAE	ae.org/index.php/IJISAE/article/view/3246	Indexed	ww.researchgate.net/publication/374629315_Analysis_of_Critical_Diseases_from_ECG_Signal_Using_Hybrid_CNN_and_LSTM
3	22-23	Dr. Swati G. Gawhale	Crime Rate Prediction using Cyber Security and Artificial Intelligence	Advances in water science	1001-6791; Date:- 30/10/2022	Vol-33(4), Pg.no:- 34-39,	https://skxjz.info/index.php/AWS	https://skxjz.info/index.php/AWS/article/view/70	Scopus Indexed	https://www.researchgate.net/profile/Swati-Gawhale/publication/370445775_Crime_Rate_Prediction_using_Cyber_Security_and_Artificial_Intelligent/links/6480be0a79a722376516fd36/Crime-Rate-Predictio

										n-using-Cyber-Security-and-Artificial-Intelligent.pdf
4	22-23	Prof. Swati G. Gawhale	Signature Verification And Alert Using AI And Machine Learning,	International Journal of Food and Nutritional Sciences.	2319-1775 e-ISSN:-2320-7876,	Vol.11, S Iss 1, Page No. 1701-1708,	https://www.ijfans.org/	https://www.ijfans.org/uploads/paper/3a3530d735dee345d1e60a431f5d9f22.pdf	UGC-CARE listed	https://www.researchgate.net/publication/371370174_Signature_Verification_And_Alert_Using_AI_And_Machine_Learning
5	21-22	Prof. Swati G. Gawhale	Landslide Early Warning System Based on Arduino with Soil Humidity Sensors	International Journal of All Research Education and Scientific Methods (IJARES M)	2455-6211	Volume 10, Issue 5	https://www.ijaresm.com/	http://www.ijaresm.com/uploads/document_file/Omkar_Laxman_MhadgutvZF Y.pdf	No	https://www.researchgate.net/publication/362544901_Landslide_Early_Warning_System_Based_on_Arduino_with_Soil_Humidity_Sensors
6	21-22	Prof.	Heart	Journal of	2349-	Volume	https://w	https://w	No	https://w

		Swati G. Gawhale	Disease Classification Using Denoising and Wavelet Change of ECG Signals	Emerging Technologies and Innovative Research	5162	9, Issue 8	ww.jetir.org	ww.jetir.org/view?paper=JETIR2204157		ww.researchgate.net/publication/362544779_Heart_Disease_Classification_Using_Denoising_and_Wavelet_Change_of_ECG_Signals
7	20-21	Prof. Swati G. Gawhale	Seizure and Sleeping Disorder Detection for identification of Angelman Syndrome from EEG Using Machine Learning	International Journal of Grid and Distributed Computing	2005-4262	Vol. 14 No. 1	http://sersc.org	http://sersc.org/journals/index.php/IJGDC/article/view/36251	No	https://www.researchgate.net/publication/362889857_Seizure_and_Sleeping_Disorder_Detection_for_identification_of_Angelman_Syndrome_from_EEG_Using_Machine_Learning
8	20-21	Prof. Swati G.	Analysis of	Journal of Emerging	2349-5162	Volume 7, Issue	https://www.jetir.org	https://www.jetir.org	No	https://www.resea

		Gawhale	Neurodevelopmental Disorder in Special Child from EEG using Machine Learning: a Review	Technologies and Innovative Research		11	g	g/papers/JETIR2011064.pdf		rchgate.net/publication/362545099_Analysis_of_Neurodevelopmental_Disorder_in_Special_Child_from_EEG_using_Machine_Learning_a_Review#fullTextFileContent
9	18-19	Prof. Swati G. Gawhale	ADVANCED DRIVER ASSISTANCE WITH AUTOMATIC CAR IGNITION KILL SWITCH AND TRACKING	GLOBAL JOURNAL OF ENGINEERING SCIENCE AND RESEARCHES.	2348 – 8034	-	http://www.gjesr.com	http://www.gjesr.com/Issues%20PDF/NCRAES-2K19/14.pdf	No	https://www.researchgate.net/search.Search.html?query=ADVANCED+DRIVER+ASSISTANCE+WITH+AUTOMATIC+CAR+IGNITION+KILL+SWITCH+AND+TRACKING&type=

										publicatio n
10	17-18	Prof. Swati G. Gawhale	War Field Spying Robot with Wireless Night Vision Camera	Internatio nal Journal for Research in Applied Science & Engineeri ng Technolo gy (IJRASE T)	2321- 9653	Volume 5 Issue XII	https://w ww.ijraset .com	https://w ww.ijraset .com/files erve.php ?FID=113 66	No	https://w ww.resea rchgate.n et/publica tion/3625 45538_W ar_Field_ Spying_R obot_with _Wireless _Night_Vi sion_Ca mera
11	16-17	Prof. Swati G. Gawhale	IOT Based E- Voting System	Internatio nal Journal for Research in Applied Science & Engineeri ng	2321- 9653	Volume 5 Issue V	https://w ww.ijraset .com	https://w ww.ijraset .com/files erve.php ?FID=782 0	No	https://w ww.resea rchgate.n et/publica tion/3625 45336_IO T_Based _E- Voting_S ystem
12	15-16	Prof. Swati G. Gawhale	WIRELE SS HANDHE LD VISITOR GUIDE AND TRACKIN G	Internatio nal Journal of Contemp orary Research in Computer Science	2395- 5325	Volume 2, Issue 3:	https://w ww.ijcrcst .co.in	https://w ww.ijcrcst .co.in/pap ers/IJCR CST- MARCH1 6- 12.pdf?_ gl=1*1sv8	No	https://w ww.resea rchgate.n et/publica tion/3808 96090_W IRELESS _HANDH ELD_VISI

National Journals

Sr. No.	Calendar Year of Publication	Name of the Author(s)	Title of Paper	Name of the Journal	ISSN	Volume & Issue	Weblink / URL to Journal	Weblink / URL to Paper	Is it Scopus Indexed/ UGC-CARE listed /WoS Indexed?	Research Gate Link of the Article PDF
Nil										

International Conference Proceedings

Sr. No.	Calendar Year of Publication	Name of the Author(s)	Title of Paper / Proceedings	Name of the Conference	ISBN of the Proceedings	Weblink / URL to Conference Proceedings / Paper (if any)
1	20-21	Prof. Swati G. Gawhale	ANALYSIS OF NEURODEVELOPMENTAL DISORDER IN SPECIAL CHILD FROM EEG USING MACHINE LEARNING	International Conference on Multi disciplinary Research & Development (ICMRD-21),		http://iejrd.com/index.php/%20/article/view/1796


National Conference Proceedings



Sr. No.	Calendar Year of Publication	Name of the Author(s)	Title of Paper / Proceedings	Name of the Conference	ISBN of the Proceedings	Weblink / URL to Conference Proceedings / Paper (if any)
Nil						

Books Published

Sr. No.	Calendar Year of Publication	Name of the Author(s)	Name of the Book	Publisher	Level (University/National/International/Others)	ISBN of the book
Nil						

Patents

Sr. No.	Patent Application No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Applicant/s Name	Patent Filed Date (DD/MM/YYYY)	Patent Published Date / Granted Date (DD/MM/YYYY)	Patent Publication Number / Patent Granted Number	Assignee/s Name (Institute Affiliation/s at time of Application)	Here, attach Source Proof Screenshots/URL/ Website Links, etc.
1	202221036373 A	Published	Prof.S.G. Gawhale	MATHEMATICAL MODELING OF SMART CLASS TABLE	Prof.S.G. Gawhale	24/06/2022	15/07/2022			 <p>The screenshot shows a patent document with a flowchart illustrating a process for mathematical modeling of a smart class table. The flowchart includes steps such as 'Input', 'Processing', and 'Output'. The document also contains technical specifications and a table of contents.</p>

2	20212102 0907 A	Published	Prof.S.G. Gawhale	POINT TO POINT REGRES SION ANALYSI S BIG DATA USING MACHINE LEARNIN G.	Prof.S.G. Gawhale	08/05/202 1	11/06/202 1			
3	20212101 0179 A	Published	Prof.S.G. Gawhale	100% DATA SECURIT Y (AUTO DATA STORE YOUR G- MAIL AND LINK SHARE REG. MOBILE NUMBER) USING AI BASED PROGRA MMING.	Prof.S.G. Gawhale	11/03/202 1	26/03/202 1			

Faculty Name: Dr.L.B.Chaudhari

Research Publications, Books Published and Patents

1) International Journals

Sr. No.	Year of Publication	Name of the Author(s)	Title of Paper	Name of the Journal	ISSN	Volume & Issue	Weblink / URL to Journal	Weblink / URL to Paper	Is it Scopus Indexed/ UGC-CARE listed /WoS Indexed?	Research Gate Link of the Article PDF
1	23-24	Prof.L.B. Chaudhari	EEG Signal Processing for the Identification of Sleeping Disorder Using Hybrid Deep Learning with Ensemble Machine Learning Classifier	International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING	2147-6799	Vol. 11, 10S pg no:- 113–129	https://ijisae.org/index.php/IJISAE	https://ijisae.org/index.php/IJISAE/article/view/3239	Scopus Indexed	https://www.researchgate.net/publication/374628285_EEG_Signal_Processing_for_the_Identification_of_Sleeping_Disorder_Using_Hybrid_Deep_Learning_with_Ensemble_Machine_Learning_Classifier
2	23-24	Prof.L.B.	Analysis	Internatio	2147-	Vol. 11,	https://ijisae.org/	https://ijisae.org/	Scopus	https://w

		Chaudhari	of Critical Diseases from ECG Signal Using Hybrid CNN and LSTM	nal Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING	6799 16 August 2023	NO 10S(2023), pg.no 217-23	ae.org/index.php/IJISAE	ae.org/index.php/IJISAE/article/view/3246	Indexed	www.researchgate.net/publication/374629315_Analysis_of_Critical_Diseases_from_ECG_Signal_Using_Hybrid_CNN_and_LSTM
3	23-24	Prof.L.B. Chaudhari	Primary standard cavity radiometer	Anvesak	ISSN:0378-456	Vol. 54, :issue-01			UGC Care	https://www.researchgate.net/publication/381309733_PRIMARY_STANDARD_CAVITY_RADIOMETER
4	23-24	Prof.L.B. Chaudhari	Automatic solar cleaning robot	Anvesak	ISSN:0378-456	Vol. 54, :issue-01			UGC Care	https://www.researchgate.net/publication/381309563_Automatic_solar_cleaning_Robot
5	22-23	Prof.L.B.	STUDY	INTERNATIONAL JOURNAL OF INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING	https://doi		http://iejr	http://iejr		http://iejr

		Chaudhari	OF CRITICAL DISEASES RISK FACTOR FROM ECG SIGNAL BY MEANS OF ARTIFICIAL INTELLIGENCE	TIONAL ENGINEERING JOURNAL FOR RESEARCH & DEVELOPMENT	.org/10.17605/OSF.IO/736Y9		.com/index.php/%20/article/view/1799	d.com/index.php/%20/article/view/1799		.com/index.php/%20/article/view/1799
6	21-22	Prof.L.B. Chaudhari	Analysis of Critical diseases from ECG signal using Artificial Intelligence: A Review	Journal of Emerging Technologies and Innovative Research	ISSN-2349-5162	Vol. 11, NO 10S	https://www.jetir.org/view?paper=JETIR2011251	https://www.jetir.org/view?paper=JETIR2011251	No	
7	21-22	Prof.L.B. Chaudhari	Heart Disease Classification Using Denoising and Wavelet	Journal of Emerging Technologies and Innovative Research	2349-5162	Volume 9, Issue 8	https://www.jetir.org	https://www.jetir.org/view?paper=JETIR2204157	No	https://www.researchgate.net/publication/362544779_Heart_Disease_Classification_using_Denoising_and_Wavelet

			Change of ECG Signals							sification_Using_Denoising_and_Wavelet_Change_of_ECG_Signals
8	20-21	Prof.L.B. Chaudhari	Analysis and Examination of Heart distress from ECG signal using Artificial Intelligence	E3S Web of Conferences, EDP Science.	ISSN-2267-1242May 2020		https://www.e3s-conferences.org/articles/e3sconf/abs/2020/30/contents/contents.html	https://www.e3s-conferences.org/articles/e3sconf/abs/2020/30/contents/contents.html	Scopus Indexed	https://www.e3s-conferences.org/articles/e3sconf/abs/2020/30/contents/contents.html
9	18-19	Prof.L.B. Chaudhari	ADVANCED DRIVER ASSISTANCE WITH AUTOMATIC CAR IGNITION KILL SWITCH AND TRACKING	GLOBAL JOURNAL OF ENGINEERING SCIENCE AND RESEARCHES.	2348 – 8034	-	http://www.gjesr.com	http://www.gjesr.com/Issues%20PDF/NCRAES-2K19/14.pdf	No	https://www.researchgate.net/search.Search.html?query=ADVANCED+DRIVER+ASSISTANCE+WITH+AUTOMATIC+CAR+IGNITION+KILL+SWITCH

										+AND+TRACKING&type=publication
10	17-18	Prof.L.B. Chaudhari	War Field Spying Robot with Wireless Night Vision Camera	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2321-9653	Volume 5 Issue XII	https://www.ijraset.com	https://www.ijraset.com/files/serve.php?FID=11366	No	https://www.researchgate.net/publication/362545538_War_Field_Spying_Robot_with_Wireless_Night_Vision_Camera

National Journals

Sr. No.	Calendar Year of Publication	Name of the Author(s)	Title of Paper	Name of the Journal	ISSN	Volume & Issue	Weblink / URL to Journal	Weblink / URL to Paper	Is it Scopus Indexed/ UGC-CARE listed /WoS Indexed?	Research Gate Link of the Article PDF
Nil										

International Conference Proceedings

Sr. No.	Calendar Year of Publication	Name of the Author(s)	Title of Paper / Proceedings	Name of the Conference	ISBN of the Proceedings	Weblink / URL to Conference Proceedings / Paper (if any)
NIL						

National Conference Proceedings



Sr. No.	Calendar Year of Publication	Name of the Author(s)	Title of Paper / Proceedings	Name of the Conference	ISBN of the Proceedings	Weblink / URL to Conference Proceedings / Paper (if any)
Nil						

Books Published

Sr. No.	Calendar Year of Publication	Name of the Author(s)	Name of the Book	Publisher	Level (University/National/International/Others)	ISBN of the book
Nil						

Patents

Sr. No.	Patent Application No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Applicant/s Name	Patent Filed Date (DD/MM/YYYY)	Patent Published Date / Granted Date (DD/MM/YYYY)	Patent Publication Number / Patent Granted Number	Assignee/s Name (Institute Affiliation/s at time of Application)	Here, attach Source Proof Screenshots/URL/Website Links, etc.
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1	20222103 6373 A	Published	Prof.L.B.C haudhari	MATHEM ATICAL MODELIN G OF SMART CLASS TABLE	Prof.S.G. Gawhale	24/06/202 2	15/07/202 2			
2	20212102 0907 A	Published	Prof.L.B.C haudhari	POINT TO POINT REGRES SION ANALYSI S BIG DATA USING MACHINE LEARNIN G.	Prof.S.G. Gawhale	08/05/202 1	11/06/202 1			

Faculty Name: Prof. Aishwarya Sagar Pathak

Research Publications, Books Published and Patents

1) International Journals

Sr. No.	Calendar Year of Publication	Name of the Author(s)	Title of Paper	Name of the Journal	ISSN	Volume & Issue	Weblink / URL to Journal	Weblink / URL to Paper	Is it Scopus Indexed/UGC-CARE listed /WoS Indexed?
1	2022	Prof. Aishwarya Sagar Pathak	Analysis of Image Parameters in 3D Camera Using Regression Algorithm	Neuro Quantology	1303-5150	Volume 20, Issue 9		https://www.researchgate.net/publication/371491572/analysis_of_image_parameters_in_3d_camera_using_regression_algorithm	No
2	2023	Prof. Aishwarya Sagar	Using Yolo V7 Developm	Journal of Survey in Fisheries	2368-7487	Vol. 10 No. 4S (2023):		https://www.researchgate.net/pu	No

		Pathak	ent Of Complete Vids Solution Based On Latest Requirements To Provide Highway Traffic And Incident Real Time Info To The Atms Control Room Using Artificial Intelligence	Sciences		Special Issue 4		blication/372078659 Using Yol o V7 Development Of Complete Vids Solution Based On Latest Requirements To Provide Highway Traffic And Incident Real Time Info To The Atms Control Room Using Artificial Intelligence	
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2) National Journals

Sr. No.	Calendar Year of Publication	Name of the Author(s)	Title of Paper	Name of the Journal	ISSN	Volume & Issue	Weblink / URL to Journal	Weblink / URL to Paper	Is it Scopus Indexed/UGC-CARE listed /WoS Indexed?
NIL									

3) International Conference Proceedings

Sr. No.	Calendar Year of Publication	Name of the Author(s)	Title of Paper / Proceedings	Name of the Conference	ISBN of the Proceedings	Weblink / URL to Conference Proceedings / Paper (if any)
NIL						

4) National Conference Proceedings

Sr. No.	Calendar Year of Publication	Name of the Author(s)	Title of Paper / Proceedings	Name of the Conference	ISBN of the Proceedings	Weblink / URL to Conference Proceedings / Paper (if any)
NIL						

5) Books Published

Sr. No.	Calendar Year of Publication	Name of the Author(s)	Name of the Book	Publisher	Level (University/National/International/Others)	ISBN of the book
NIL						

6) Patents

Sr. No.	Calendar Year of Publication	Inventor/s Name	Title of the Patent	Patent Application Number	Status of Patent (Filed, Published, Granted)	Applicant/s Name	Patent Filed Date	Patent Published Date (if any)	Patent Granted Date (if any)
1	2022		Methodology integrated with machine learning	202241057065A	Published		04/10/2022	21/10/2022	No

			algorithms to predict the soil quality and crop yield as per the soil fertility						
2	2023		Quantity detector, wireless gas leakage sensor and predefined triggers message for customers	202421003824	Published		19/01/2024	09/02/2024	No

Faculty Name: Prof. Pawan Arunkumar Upadhye

Research Publications, Books Published and Patents

1) International Journals

Sr. No.	Calendar Year of Publication	Name of the Author(s)	Title of Paper	Name of the Journal	ISSN	Volume & Issue	Weblink / URL to Journal	Weblink / URL to Paper	Research Gate Link of the Article PDF
2023	2023	Prof. Pawan Arunkumar Upadhye	Optimizing Communication System with Applied Nonlinear Analysis Techniques	CANA	ISSN 1074-133X	3Vol 30 No	Optimizing Communication Systems with Applied Nonlinear Analysis Techniques Communications on Applied Nonlinear Analysis (internationalpubs.com)	https://doi.org/10.52783/cana.v30.277	Optimizing Communication Systems with Applied Nonlinear Analysis Techniques Request PDF (researchgate.net)
2023	2023	Prof. Pawan Arunkumar Upadhye	Deep Learning Driven QoS Anomaly Detection for Network Performance	JES	ISSN 1112-5209	Vol 19 No. 2	Deep Learning Driven QoS Anomaly Detection for Network Performance	10.52783/jes.695	deep learning driven QoS anomaly Detection for network performance optimization Request PDF (researchgate.net)

			Optimization				Optimization Journal of Electrical Systems (esrgroups.org)		PDF (researchgate.net)
2024	2024	Prof. Pawan Arunkumar Upadhye	Alzheimer Disease Progression Forecasting : Models through hybrid of CNN and LSTM with PSO optimization	IEEE Xplore	ISBN:979-8-3503-0661-3		Alzheimer Disease Progression Forecasting: Empowering Models Through hybrid of CNN and LSTM with PSO Optimization IEEE Conference Publication IEEE Xplore	10.1109/ESC I59607.2024.10497309	Alzheimer Disease Progression Forecasting: Empowering Models Through hybrid of CNN and LSTM with PSO Optimization Request PDF (researchgate.net)
2024	2024	Prof. Pawan Arunkumar Upadhye	Implementation of AI-Based Robotic Self Navigation System	IJRASET	ISSN 2321-9653	12	https://www.ijraset.com/research-paper/implementation-of-ai-based-robotic-	implementation-of-ai-based-robotic-self-navigation-system (ijraset.com)	(PDF) Implementation of AI-Based Robotic Self Navigation System (researchgate.net)

							self- navigation = system#:~ :text=The %20worki ng%20prin ciple%20o f%20an,Li DAR%2C %20radar %2C%20a nd%20IM Us.		
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2) National Journals

Sr. No.	Calendar Year of Publication	Name of the Author(s)	Title of Paper	Name of the Journal	ISSN	Volume & Issue	Weblink / URL to Journal	Weblink / URL to Paper	Research Gate Link of the Article PDF
Nil									

3) International Conference Proceedings

Sr. No.	Calendar Year of Publication	Name of the Author(s)	Title of Paper / Proceedings	Name of the Conference	ISBN of the Proceedings	Weblink / URL to Conference Proceedings / Paper (if any)
Nil						

4) National Conference Proceedings

Sr. No.	Calendar Year of Publication	Name of the Author(s)	Title of Paper / Proceedings	Name of the Conference	ISBN of the Proceedings	Weblink / URL to Conference Proceedings / Paper (if any)
Nil						

5) Patents

Sr. No.	Calendar Year of Publication	Inventor/s Name	Title of the Patent	Patent Application Number	Status of Patent (Filed, Published, Granted)	Applicant/s Name	Patent Filed Date	Patent Published Date (if any)	Patent Granted Date (if any)
2024	2024	Prof. Pawan Arunkumar Upadhye	SELF-POWERED IOT VIBRATION SENSING SYSTEM FOR WIRELESS DATA TRANSMISSION	202411042786	Filed + Published	MANIPAL UNIVERSITY JAIPUR	03/06/2024	14/06/2024	