

Patent Details for Verification_NIRF 2025

Note: Provide your Institution's Patent details (Only Utility Patents) Discipline-wise as applied for NIRF Ranking each in Separate List/Table (Only Published & Granted during 2021 – 2023 year-wise) strictly in this provided format, and clearly write/mention the Discipline & Institute ID above the List/Table as prescribed. **Details of the Design, Trademarks, or Copyrights, and only Filed Patents must be avoided. Those details should not be entered or provided in the list below as those won't be considered for the ranking.** Patent details must be submitted along with all the source proofs (attached) like screenshots, pdf, image file from databases like InPASS, WIPO, USPTO, Espacenet, Derwent Innovation, etc. and direct URL/Website links, etc.

Discipline Name applied for NIRF 2025 Ranking: **IR_OVERALL / IR_ENGINEERING**

Institute ID: **C-41597**

Provide below the Year-wise Count of Submitted Patent Data by the Institute (2021 to 2023) for NIRF2025 as applied in Discipline-specific:

Published_2021	Published_2022	Published_2023	Granted_2021	Granted_2022	Granted_2023	Total Published (2021-2023)	Total Granted (2021-2023)
23	8	0	1	Nil	0	31	1

Patent Details with proofs (Attach screenshots, pdf, image file, etc.):

Sl. 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)
1	202021006444	published	Dr.Nidhi Jain,Karan Singh,Puskraj	Upgraded Railway track Security device for curved and straight tracks	Dr.Nidhi Jain,Karan Singh,Puskraj	14/02/2020.	30/07/2021	202021006444	BVCOEL
2	202021019020	published	U.S.Patil,Mr. Roma Kudale (SKNCOE),Mrs. Parinita J Chate,Bhauasaheb.S.Salunke (BE - Civil),Shubham,Dishant.K.Radke SongireShravani Tonge ,Huzaif Umarsharif Mujawar	3D - Cloth Analysis	U.S.Patil,Mr. Roma Kudale (SKNCOE),Mrs. Parinita J Chate,Bhauasaheb.S. Salunke (BE - Civil),Shubham,Dishant.K.Radke SongireShravani Tonge ,Huzaif Umarsharif Mujawar	5/5/2020	27/05/2022	202021019020	BVCOEL
3	202021019022	Published	Dr.R.N.Patil,Mr.. U.C.Patkar,Mr.. U.S.Patil,Mr. Mr.. Kum Kum bala,Mr.. Megha Patil,Shubham Songire,Shravani Tonge ,Huzaif Umarsharif Mujawar	Smart Electric Switch	Dr.R.N.Patil,Mr.. U.C.Patkar,Mr.. U.S.Patil,Mr. Mr.. Kum Kum bala,Mr.. Megha Patil,Shubham Songire,Shravani Tonge ,Huzaif Umarsharif Mujawar	5/5/2020	27/05/2022	202021019022	BVCOEL
4	202021019665	Published	Mr.. U.C.Patkar	SEV Traffic Management smart traffic magement System for Emergency Vehicles	Mr.. U.C.Patkar	9/5/2020	15/01/2021	202021019665	BVCOEL

5	202021048935	published	Dr.R.N.Patil,Dr.Nidhi Jain,Prajakta Pawar,Yogesh Kadam	IFMC-Voltage Converter: Intelligent and Frequency to Voltage Converter for Mobile Charging	Dr.R.N.Patil,Dr.Nidhi Jain,Prajakta Pawar,Yogesh Kadam	11/10/2020	1/1/2021	202021048935	BVCOEL
6	202021051206	Granted	Dhanke Jyoti Atul	DTM- - Reaction Diffusion Model: Reaction Diffusion Model And Numerical Study During Tumor Development And Numerical	Dhanke Jyoti Atul	25/11/2020	1/1/2021	202021051206	BVCOEL
7	202021052201	published	Dr.Nidhi Jain	IPF Voltage converter shoe: Intelligent shoe power bank charged by footsteps	Dr.Nidhi Jain	1/12/2020	8/1/2021	202021052201	BVCOEL
8	202121031548	published	Mr. U.C.Patkar Dr.Abhay Kudale Dr. Prashant Pawar Mr..R.A.Kudale Dr.Prashant Mhase Dr.A.A.Deshmukh Dr.Pravin Sawant Ms.Mughdha Phutane Ms.Keya Patel Mr.Mimoh Kulkarni	System for Generation Evidence on use of antibiotics	Mr. U.C.Patkar Dr.Abhay Kudale Dr. Prashant Pawar Mr..R.A.Kudale Dr.Prashant Mhase Dr.A.A.Deshmukh Dr.Pravin Sawant Ms.Mughdha Phutane Ms.Keya Patel Mr.Mimoh Kulkarni	14/07/2021	13/108/2021	202121031548	BVCOEL
9	US17/146631	published	Dhanke Jyoti Atul	Automatic Fuel Energy Generated Car	Dhanke Jyoti Atul	12/1/2021	12/1/2021	US17/146631	BVCOEL
10	202121010179	published	Dhanke Jyoti Atul,Kumkum Bala,Parinita Chate,Leena Chaudhari,Swati Gawale,L.K.Wani	100% Data Security (Auto Data Store Your G-Mail And Link Number) Using Ai Based ProgramminShare Reg. Mobile	Dhanke Jyoti Atul,Kumkum Bala,Parinita Chate,Leena Chaudhari,Swati Gawale,L.K.Wani	11/3/2021	26/3/2021	202121010179 A	BVCOEL
11	202121020748	published	Dhanke Jyoti Atul	Mathematical Modelling And Simulation Using Regression Analysis And	Dhanke Jyoti Atul	7/5/2021	11/6/2021	202121020748 A	BVCOEL

12	202121020907	Published	Dr.R.N.Patil Sunilkumar Rajaram Patil Satish Tukaram Rathod Dr. Namrata Tripathi Amruta Mayur Pasarkar Leena Bharat Chaudhari Swati Gopal Gawhale Suvarna Ranjeet Jagtap	Point To Point Regression Analysis Big Data Using Machine Learning.	Dr.R.N.Patil Sunilkumar Rajaram Patil Satish Tukaram Rathod Dr. Namrata Tripathi Amruta Mayur Pasarkar Leena Bharat Chaudhari Swati Gopal Gawhale Suvarna Ranjeet Jagtap	8/5/2021	11/6/2021	202121020907 A	BVCOEL
13	202121021761	published	Dhanke Jyoti Atul	Intelligent Multiple Regression Analysis In Agriculture: Crop Productivity, Rainfall, Fertility, Humidity, Temperature Using Machine Learning	Dhanke Jyoti Atul	14/05/2021	2/7/2021	202121027847	BVCOEL
14	202121027847	published	Prof. Roma Abhay Kudale Prof. Uday Chandrakant Patkar Dr. Shikha Bhardwaj Prof. Uday Shankar Patil Prof. Parinita Jagannathrao Chate Mr. Nachiket Kulkarni Sankalp Vivek Giridhar Mimoh Mangesh Kulkarni	System For Monitoring Eye Closure And Yawning Of Automobile Operator To Reveal Fatigue.	Prof. Roma Abhay Kudale Prof. Uday Chandrakant Patkar Dr. Shikha Bhardwaj Prof. Uday Shankar Patil Prof. Parinita Jagannathrao Chate Mr. Nachiket Kulkarni Sankalp Vivek Giridhar Mimoh Mangesh Kulkarni	22/6/2021	22/6/2021	202121033210	BVCOEL

15	202121033210	published	Mr. U.C.Patkar Dr. A.A.Deshmukh Mr..R.A.Kudale Dr.S.Bhardwaj Mr..U.S.Patil Mrs..P.J.Chate Mr.Nachiket Kulkarni Mr.Sankalp Giridhar Mr.Mimoh Kulkarni Ms.Keya Patel	System for Robost and Scalable anomaly detection in video surveillance	Mr. U.C.Patkar Dr. A.A.Deshmukh Mr..R.A.Kudale Dr.S.Bhardwaj Mr..U.S.Patil Mrs..P.J.Chate Mr.Nachiket Kulkarni Mr.Sankalp Giridhar Mr.Mimoh Kulkarni Ms.Keya Patel	22/6/2021	6/8/2021	202121035176	BVCOEL
16	202121035176	published	Dhanke Jyoti Atul	Digital numerical evaluation of the behaviour of a reinforced Concrete Building	Dhanke Jyoti Atul	4/8/2021	3/12/2021	202121035174	BVCOEL
17	202121035174	Published	Mr. U.C.Patkar Mr. A. L. Golande Dr. T. Pavankumar Dr. M. A. Pradhan Dr. P. Venkteswara Rao Mr.V. A. Kotkar Mr. V. H. Bhutnal Mr.R. A. Deshmukh Dr. M. R. Shahade Mr.Divyashree Ramaiah	ECG Based Automatic and Dynamic System for Heart Disease Prediction	Mr. U.C.Patkar Mr. A. L. Golande Dr. T. Pavankumar Dr. M. A. Pradhan Dr. P. Venkteswara Rao Mr.V. A. Kotkar Mr. V. H. Bhutnal Mr.R. A. Deshmukh Dr. M. R. Shahade Mr.Divyashree Ramaiah	4/8/2021	3/12/2021	202121036531	BVCOEL

18	202121036531	published	Mr. U.C.Patkar Dr. Sable Nilesh Popat Mr. Deepak R Ghengat Dr. Haribhau R. Bhapkar Mr. Arpit Pitambar Mohorkar Mr.. Jyoti Yogesh Deshmukh Mr..Santosh Tanaji Waghmode Mr..Himanshu Uttam Joshi Dr. Sarika Jetain Malhotra Mr.. Swati Vishal Sinha	Internet at MAX (iMAX)	Mr. U.C.Patkar Dr. Sable Nilesh Popat Mr. Deepak R Ghengat Dr. Haribhau R. Bhapkar Mr. Arpit Pitambar Mohorkar Mr.. Jyoti Yogesh Deshmukh Mr..Santosh Tanaji Waghmode Mr..Himanshu Uttam Joshi Dr. Sarika Jetain Malhotra Mr.. Swati Vishal Sinha	12/8/2021	3/12/2021	202121038358	BVCOEL
19	202121038358	published	Dr.Nidhi Jain	Integration And Unique Characterization Of Bioactive Complex Compounds From Stembark Extract Of Uapaca Pilosa Hutch.	Dr.Nidhi Jain	24/8/2021	2/1/2022	202121040037	BVCOEL
20	202121040037	published	Dr.Nidhi Jain	IPMS- Separating Salts: Intelligent Process And Method For Separating Salts In Seawater. (Green Chemistry)	Dr.Nidhi Jain	3/9/2021	3/12/2021	202121044190	BVCOEL
21	202121044190	published	Dr.Nidhi Jain	High Density Quick Response Asthma Advanced Inhalers Manufacturing Process	Dr.Nidhi Jain	29/9/2021	29/11/2021	202121043787	BVCOEL
22	202121043787	published	Mrs.Prajakta Dagadu Pawar,Mr.Yogesh Vasant Kadam,Mr. Atul B. Wani,Kumkum Bala, Pramod Pandurang Salunkhe,Sanket Sunil Pawar,Ajit Rajaram Patil,Swati Anil Shegane,Laxmipriya Pudage,Jyoti Atul Dhanke.	Mathematical Modelling of Self Balancing Solar energy Storage System	Mrs.Prajakta Dagadu Pawar,Mr.Yogesh Vasant Kadam,Mr. Atul B. Wani,Kumkum Bala, Pramod Pandurang Salunkhe,Sanket Sunil Pawar,Ajit Rajaram Patil,Swati Anil Shegane,Laxmipriya Pudage,Jyoti Atul Dhanke.	27/9/2021	11/3/2022	202121048710	BVCOEL

23	202121048710	published	Mr.Jyoti Atul Dhanke,Dr. Kamini Dubey Dr. Mona Verma, Dr. Nishi Singh Dr. Shweta Hingwasiya Smt. Punam Mehta ,Meghana Kashinath Bhosale,Dr. Anuradha Singh Jyoti Umesh Lagad,Dr. Baljeet Kaur Namrata Tripathi	Mathematical Modeling for Remotely Operated Underwater Robot Vehicle	Mr.Jyoti Atul Dhanke,Dr. Kamini Dubey Dr. Mona Verma, Dr. Nishi Singh Dr. Shweta Hingwasiya Smt. Punam Mehta ,Meghana Kashinath Bhosale,Dr. Anuradha Singh Jyoti Umesh Lagad,Dr. Baljeet Kaur Namrata Tripathi	25/10/2021	12/11/2021	202241023070	BVCOEL
24	202241023070	published	Dr.Neha Shahare	Machine Learning Based Approach To Analyses The Impact Of Plasmonic Nanomaterials In The Increasing The Efficiency Of Solar Cell	Dr.Neha Shahare	19/04/2022	19/04/2022	202221029340	BVCOEL
25	202221029340	published	Dr.Dhanke Jyoti Atul	Waste Kitchen and Plastic Convert into an Energy	Dr.Dhanke Jyoti Atul	21/05/2022	17/06/2022	202221029337	BVCOEL
26	202221029337	published	Dr.Dhanke Jyoti Atul	Power Generation using Advanced Electromagnetic Suspension	Dr.Dhanke Jyoti Atul	21/05/2022	17/06/2022	202221035972	BVCOEL

27	202221035972	published	<p>Bharati Vidyapeeth's College of Engineering, Lavale Rajendrakumar Narayan Patil, Jyoti Atul Dhanke Patil Sunilkumar Rajaram Dr. Sonali Kadam Mr. Yogesh Vasant Kadam Swapnil Chandrakant Mane Mr. Prashant Shivaji Kadam Atish Mane Nilesh Narendra Raut Prajakta Dagadu Pawar Parinita Jagannathrao Chate Saurabh Babasaheb Gaikwad</p>	Mobile phone battery charge with integrated interface	<p>Bharati Vidyapeeth's College of Engineering, Lavale Rajendrakumar Narayan Patil, Jyoti Atul Dhanke Patil Sunilkumar Rajaram Dr. Sonali Kadam Mr. Yogesh Vasant Kadam Swapnil Chandrakant Mane Mr. Prashant Shivaji Kadam Atish Mane Nilesh Narendra Raut Prajakta Dagadu Pawar Parinita Jagannathrao Chate Saurabh Babasaheb Gaikwad</p>	22/06/2022	15/07/2022	202221036373	BVCOEL
28	202221036373	published	<p>Bharati Vidyapeeth's College of Engineering Rajendrakumar Narayan Patil Jyoti Atul Dhanke Atish Baburao Mane Gurusharan Kaur Dr. Namrata Tripathi Sushma Virendrasinh Parmar Leena Bharat Chaudhari Swati Gopal Gawhale Dr. Amit Kumar Dr. Meghana Kashinath Bhosale Anshuman Lakkad</p>	Mathematical Modeling of Smart Class Table	<p>Bharati Vidyapeeth's College of Engineering Rajendrakumar Narayan Patil Jyoti Atul Dhanke Atish Baburao Mane Gurusharan Kaur Dr. Namrata Tripathi Sushma Virendrasinh Parmar Leena Bharat Chaudhari Swati Gopal Gawhale Dr. Amit Kumar Dr. Meghana Kashinath Bhosale Anshuman Lakkad</p>	24/06/2022	24/06/2022	202221050471	BVCOEL

29	202221050471	published	<p>Bharati Vidyapeeth's College of Engineering Lavale,Dr. Rajendrakumar Narayan Patil,Dr. Jyoti Atul Dhanke,Nilesh Raut, Parinita Jagannathrao Chate, Prashant Shivaji Kadam Shankar Nivas Kadam Ajit Rajaram Patil Amruta Pasarkar Nilesh Singh Pramod Rahate Avinash Ingole Chandrahas Sawant Vaibhav Baravkar Sanket Bhatkulkar Prashant Chavan</p>	<p>Mathematical Modeling for Design and Development of Smart Street Light System with Air Purifier</p>	<p>Bharati Vidyapeeth's College of Engineering Lavale,Dr. Rajendrakumar Narayan Patil,Dr. Jyoti Atul Dhanke,Nilesh Raut, Parinita Jagannathrao Chate, Prashant Shivaji Kadam Shankar Nivas Kadam Ajit Rajaram Patil Amruta Pasarkar Nilesh Singh Pramod Rahate Avinash Ingole Chandrahas Sawant Vaibhav Baravkar Sanket Bhatkulkar Prashant Chavan</p>	4/9/2022	4/9/2022	202221050470	BVCOEL
30	202221050470	published	<p>Bharati Vidyapeeth's College of Engineering Lavale, Pune Dr. Rajendrakumar Narayan Patil Dr. Jyoti Atul Dhanke,Ajit Rajaram Patil, Megha Adhikrao Patil,Neeraj Arun Gangurde,Sunil Kumar Rajaram,Prashant Shivaji Kadam,Prof.Atul wani</p>	<p>Eco Friendly Electricity Generation and Numerical Analysis Via Gym Equipments</p>	<p>Bharati Vidyapeeth's College of Engineering Lavale, Pune Dr. Rajendrakumar Narayan Patil Dr. Jyoti Atul Dhanke,Ajit Rajaram Patil, Megha Adhikrao Patil,Neeraj Arun Gangurde,Sunil Kumar Rajaram,Prashant Shivaji Kadam,Prof.Atul wani</p>	4/9/2022	4/9/2022	202221050467	BVCOEL

31	202221050467	published	<p>Bharati Vidyapeeth's College of Engineering Lavale, Pune Dr. Rajendrakumar Narayan Patil Dr. Jyoti Atul Dhanke Megha Adhikrao Patil Santosh Parashuram Patange Sangram Chandrakant Patil Atish Baburao Mane Nilesh Singh Avinash Datarkar Swapnil Chandrakant Mane Prof. Pratima Kadam Devdatta Kashinath Mokashi Anshuman Lakkad</p>	Advanced Drone	<p>Bharati Vidyapeeth's College of Engineering Lavale, Pune Dr. Rajendrakumar Narayan Patil Dr. Jyoti Atul Dhanke Megha Adhikrao Patil Santosh Parashuram Patange Sangram Chandrakant Patil Atish Baburao Mane Nilesh Singh Avinash Datarkar Swapnil Chandrakant Mane Prof. Pratima Kadam Devdatta Kashinath Mokashi Anshuman Lakkad</p>	4/9/2022	23/9/2022	202221050467	BVCOEL
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