

Patent Details for Verification_NIRF2026

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 2020 – 2022 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 NIRF2024 Ranking: IR_ENGINEERING & Overall Institute ID: IR-E-C-41410 & IR-O-C-41410

Provide below the Year-wise Count of Submitted Patent Data by the Institute (2020 to 2022) for NIRF2024 as applied in Discipline-specific:

Published_2022	Published_2023	Published_2024	Granted_2022	Granted_2023	Granted_2024	Total Published (2022-2024)	Total Granted (2022-2024)
5	11	7	6	14	23	23	43

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)	Here, attach Source Proof Screenshots/URL/ Website Links, etc.
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Year 2024 (7- Published, 23- Granted)

1	20441019507 A	Published	Dr. Mrunal K. Pathak	Smart Artificial intelligence based approach to manage the payment gateway of E-commerce sites	Dr. Mrunal K. Pathak	16/03/2024	29/03/2024	13/2024	AISSMS IOIT, Pune	https://drive.google.com/file/d/1WPZNKCPwTZ9pxqPHsF9vHzwsXmmsgDxk/view?usp=drive_link
2	382638-001	Granted	Dr. P. B. Mane	Dual Plane Substrate Integrated Waveguide Monopulse Tracking Antenna (SWI-MTA)	Dr. P. B. Mane	30/03/ 2023	13/06/2024	382638-001	AISSMS IOIT, Pune	https://drive.google.com/file/d/1sEo5Ej1fP75dJu7DG3hDvpmHmFPZ5S-/view?usp=drive_link
3	432820-001	Published	Mr. Satish D. Kale	WEARABLE PATCH FOR MONITORING HEALTH OF PATIENT	Mr. Satish D. Kale	05-10-2024	27/11/2024	432820-001	AISSMS IOIT, Pune	https://drive.google.com/file/d/1TbjzOzoImGFOTCdNSRcNZPlcfadbZzqk/view?usp=drive_link

4	362869-001	Granted	Dr. S. V. Limkar	KEY CHAIN CUM PORTABLE STORAGE FOR ELECTRONIC ACCESSORIES (SET)	Dr. S. V. Limkar	20/04/2022	18/04/2024	362869-001	AISSMS IOIT, Pune	https://drive.google.com/file/d/1n2C7hrg9Esc46ZKHAkls83Z2mjB3dsWG/view?usp=drive_link
5	420054-001	Granted	Prof. Reshma Rajanand Owhal	ARTIFICIAL INTELLIGENCE BASED HEART RATE MONITORING DEVICE FOR SPORTS TRAINING	Prof. Reshma Rajanand Owhal	14/06/2024	08-08-2024	420054-001	AISSMS IOIT, Pune	https://drive.google.com/file/d/1QuISlpcDXvmssgG56OxGk9Yus9jfG-jA/view?usp=drive_link
6	202414023795	Published	Mr.Amit H Raheja	DEVELOPMENT OF GEOPOLYMER CONCRETE FOR MODERN CONSTRUCTION INDUSTRY	Mr. Amit H Raheja	26/03/2024	10-05-2024	202414023795	AISSMS IOIT, Pune	https://drive.google.com/file/d/1Mz-KSzOJ7V4hp_bysM5Pg3QZzGinc6N/view?usp=drive_link
7	202421010333	Published	Dr. Yogesh Pralhadrao Patil Ritesh Tejaswi Khole Devendra Anantrao Itole Dr. H. D. Shinde Milind Pralhad Gajare	FINGERPRINT BASED ATTENDANCE SYSTEM AND METHOD THERE OFF	1 . Dr. Yogesh Pralhadrao Patil 2 . Ritesh Tejaswi Khole 3 . Devendra Anantrao Itole 4 . Dr. H. D. Shinde 5 . Milind Pralhad Gajare	14/02/2024	15/03/2024	202421010333	AISSMS IOIT, Pune	https://drive.google.com/file/d/1DgLSaCoCICoQA8k9DU-vjAn1YWQ7IXLl/view?usp=drive_link
8	202421044069	Published	Dr. Y. P. Patil Dr. B.N. Mohapatra Dr. V. V. Kale Mr. Devendra Itole Mr Sandesh Sonawane Mr Rohan, Mr Pratham	ADVANCED FRUIT QUALITY ASSESSMENT USING THERMAL AND VISUAL CAMERAS FOR ADULTERATION DETECTION	Dr. Y. P. Patil Dr. B.N. Mohapatra Dr. V. V. Kale Mr. Devendra Itole Mr Sandesh Sonawane Mr Rohan, Mr	06-06-2024	12-07-2024	202421044069	AISSMS IOIT, Pune	https://drive.google.com/file/d/18kix91J66eodZ0zNLU7PWBC-v6aAtKPj/view?usp=drive_link
9	201921014004	Granted	Ambetkar abhishek arun Rakhode prtik bhagwan Swati bhat Mrs. Sheetal Vijay Kulkarni	LABVIEW BASED RUNWAY VISIBILITY MEASUREMENT USING FORWARD SCATTERING	Ambetkar abhishek arun Rakhode prtik bhagwan Swati bhat Mrs. Sheetal Vijay Kulkarni	08-04-2019	07-03-2024	521423	AISSMS IOIT, Pune	https://drive.google.com/file/d/1oY8SpEfHi7T9E72OnVPayysj6FpL9_wT/view?usp=drive_link

10	201821023295	Granted	Shaikh Maaz Abid Dhaye rudrani sahebrao	AN AUTOMATIC INFANT CARE SYSTEM	Shaikh Maaz Abid Dhaye rudrani sahebrao	22/06/2018	11-01-2024	497675	AISSMS IOIT, Pune	https://drive.google.com/file/d/1yTzfTz24GFKIUYKYAtcyGS6EvFWqGAu/view?usp=drive_link
11	542994	Granted	Dr. R. B. Dhumale	SYSTEM AND METHOD FOR CONDITION BASED MAINTENANCE (CBM)	Dr. R. B. Dhumale	04-10-2018	26/06/2024	201821034061	AISSMS IOIT, Pune	https://drive.google.com/file/d/1tqeJtKoWVv0yOmL5yFva6yg4CLG45hp/view?usp=drive_link
12	413468-001	Granted	Dr. S. S. Nikam, Dr. R. B. Dhumale	AI based street cleaning Vehicle	Dr. S. S. Nikam	13/04/2024	22/05/2024	413468-001	AISSMS IOIT, Pune	https://drive.google.com/file/d/17Uwh9JPCJayGDDreOOeXv5195Yedc3a/view?usp=drive_link
13	400111-001	Granted	Dr. V. K. Bairagi	Portable Gas Chamber for Alcohol Detection	Dr. V. K. Bairagi	17/11/2023	04-01-2024	400111-001	AISSMS IOIT, Pune	https://drive.google.com/file/d/1qNriPltdnAZjFplx2cUdWQ1rDhUkgjY/view?usp=drive_link
14	399254-001	Granted	Dr. V. K. Bairagi	Breath Analyzer for Measuring Alcohol Concentration	Dr V K Bairagi	06-11-2023	10-01-2024	399254-001	AISSMS IOIT, Pune	https://drive.google.com/file/d/1h-w8BJrl2qIq4fZpqM74-hTRDneMLXQl/view?usp=drive_link
15	1722/MUM/2015	Granted	Dr V K Bairagi	System for determining stress level using EEG sub-band	Dr V K Bairagi	30-04-2015	16/02/2024	511477	AISSMS IOIT, Pune	https://drive.google.com/file/d/1IKr7G-31VkatszVc9Fm8dDH92licixjV/view?usp=drive_link

16	201621001854	Granted	Dr V K Bairagi	A System for Early Diagnosis Of Alzheimer Disease Using Electroencephalogram Signals.	Dr V K Bairagi	19-01-2016	01-03-2024	518585	AISSMS IOIT, Pune	https://drive.google.com/file/d/1L4tUd2JeX6Xo-SqQWPCl2lW2LX_VPHGz/view?usp=drive_link
17	201921035145	Granted	Dr V K Bairagi	System for Calling and Receiving Landline Phone Calls Over Smart Mobile Through WI-FI.	Dr V K Bairagi	30/08/2019	30/01/2024	504888	AISSMS IOIT, Pune	https://drive.google.com/file/d/18bc91AjBPOA9TMTG-tc5Li0al_IISyvl/view?usp=drive_link
18	201921016526	Granted	Dr V K Bairagi	Method and System of chronic obstructive pulmonary disease grade determination using surface electromyography	Dr. V. K. Bairagi	25-04-2019	13/03/2024	524470	AISSMS IOIT, Pune	https://drive.google.com/file/d/1-qSEDUNhgXHSjou4z1yhQbFNGjYWULtK/viaw?usp=drive_link
19	202321072502	Granted	Dr V K Bairagi	Portable digital oscilloscope	Dr V K Bairagi	25/10/2023	30/05/2024	540216	AISSMS IOIT, Pune	https://drive.google.com/file/d/1dTgeKcJzcHF1VrXuJ_vZO6GjHuQfh5IN/view?usp=drive_link
20	2023/06323	Granted	Dr V K Bairagi	System and Method for Collecting and Analysing Electroencephalogram (EEG) Spectrals for Om Mantra Meditation And Application Thereof	Dr V K Bairagi	19/06/2023	31/01/2024	2023/06323	AISSMS IOIT, Pune	https://drive.google.com/file/d/1ryWoU9_vs6X1wmYEaQtN4jS7F4V5gTU/view?usp=sharing
21	2023/07569	Granted	Dr V K Bairagi	System and method for predicting an advancing heart disease using a squeeze recurrent neural network with political optimization for gene expression data analysis	Dr V K Bairagi	31/07/2023	28/02/2024	2023/07569	AISSMS IOIT, Pune	https://drive.google.com/file/d/1lWYk4p2gXf5HFS2UdFdxX_XgYEkwGCP/view?usp=drive_link

22	2023/07817	Granted	Dr V K Bairagi	Sensing system, method and device for non-invasively detecting chronic kidney disease from Exhaled breath	Dr V K Bairagi	10-08-2023	27/03/2024	2023/07817	AISSMS IOIT, Pune	https://drive.google.com/file/d/1ByFrP-dMrVR4OtuGYKuLAsubKoMy4qEa/view?usp=drive_link
23	202221033886	Published	1.MS.VAZARKAR MANSI MANOJ 2 . DR.MRS.SHIRALKAR ASHPANA DILAWAR 3 . DR.BAKRE SHASHIKANT MADHUKAR	AUTOMATIC WATER TANK CLEANER USING ARDUINO UNO	1.MS.VAZARKAR MANSI MANOJ 2 . DR.MRS.SHIRALKAR ASHPANA DILAWAR 3 . DR.BAKRE SHASHIKANT MADHUKAR	12-07-2022	19/01/2024	202221033886	AISSMS IOIT, Pune	https://drive.google.com/file/d/1_sn4mnd0AsLJBpivw_0IB57C4AN-Kryw/view?usp=drive_link
24	384275-001	Granted	Venkat Ghodke	IOT enabled health monitoring system	Venkat Ghodke	19/04/2023	08.02.2024	384275-001	AISSMS IOIT, Pune	https://drive.google.com/file/d/1qcNPmcl4oSzmHFVgeX9GP3V8c4s3avH0/view?usp=drive_link
25	362787-001	Granted	Dr. S. A. Panwar	IOT Based Wireless Senso Apparatus	Dr. S. A. Panwar	19/04/2022	8-1-2024	362787-001	AISSMS IOIT, Pune	https://drive.google.com/file/d/1GG3gVL-eOJYAFYH3VKPV_2FN7h_v3ZG1/view?usp=drive_link
26	202421035702	Published	Dr. Yogesh Patil	Vehicular emission monitoring and control system utilizing iot technology	Dr. Yogesh P. Patil, Devendra Anant Itole, Milind Pralhad Gajare, Shobha Sachin Nikam, Mousami S. Vanjale	06-05-2024	31/05/2024	202421035702	AISSMS IOIT, Pune	https://drive.google.com/file/d/1ycOYQE3AUGow5cUk2Fozj5G8xueWleFL/view?usp=drive_link
27	417332-001	Granted	Dr. Yogesh Patil	Eye Wear Case	Yogesh Pralhadrao Patil, Mandar Govind Arasidha, Devendra Anant Itole	15/05/2024	13/09/2024	417332-001	AISSMS IOIT, Pune	https://drive.google.com/file/d/1V-agqbv00vLGkreiJcVfXjOEw3be5O0R/view?usp=drive_link

28	420498-001	Granted	1.Prof. Sanjay Tanaji Sanamdikar 2. Prof.Ashwini Vinayakrao. Kulkarni 3.Mrs. Sheetal Vijay Kulkarni	CARDIOVASCULAR NOISE DETECTION DEVICE	1.Prof. Sanjay Tanaji Sanamdikar 2. Prof.Ashwini Vinayakrao. Kulkarni 3.Mrs. Sheetal Vijay Kulkarni	30-08-24	18/06/2024	420498-001	AISSMS IOIT, Pune	https://drive.google.com/file/d/1k87laxVkJTbu6lTjuzDPjR7XcWUamDEvs/view?usp=drive_link
29	6376169	Granted	Mrs. Sheetal Vijay Kulkarni	ML Based Camera for Healthcare Systems	Mrs. Sheetal Vijay Kulkarni	04-07-2024	12-07-2024	6376169	AISSMS IOIT, Pune	https://drive.google.com/file/d/1MoaarxJ_IsQd5O2Yww8qtS7ijUvE5-fZ/view?usp=drive_link
30	6380677	Granted	Prof.Sanjay Tanaji Sanamdikar, Prof. Ashwini Vinayakrao Kulkarni, Mrs. Sheetal	Sensor enabled wearable ECG monitoring device	Prof.Sanjay Tanaji Sanamdikar, Prof. Ashwini Vinayakrao Kulkarni, Mrs. Sheetal	25/07/2024	19-08-24	6380677	AISSMS IOIT, Pune	https://drive.google.com/file/d/1qV2H6mMlu1JCd9eq_VsWBm_ssh0p51PR/view?usp=drive_link

Year 2023 (11- Published, 14- Granted)

1	202321055491A	Published	1.Amol Jagannath More,2)S.Suganya 3)P. Dhivya 4)Dr. Kapil Verma 5)Dr. Bhawana Joshi 6)Arya Shah 7)Dr. Padam Singh 8)Dr.S.Sangeetha 9)Prof Sanjeev Kumar Trivedi 10)Ms.P.Gomathi 11)Dr. L.Karthick	MULTI-SENSOR VEHICLE POSITIONING SYSTEM EMPLOYING SHARED DATA PROTOCOL	Mr. Amol Jagannath More	18/08/2023	01-09-2023	202321055491A	AISSMS IOIT, Pune	https://drive.google.com/file/d/13nJDtp4xmAK6lpfizeGuRdbo66zxyqey/view?usp=drive_link
2	6316842	Published	Sridevi Tharanidharan, Varagunapandiyar Natarajan, Mr. B. Samuel Naik, Dr. Umarani Ramachandran, Dr. Devendra Pratap Singh, Prof. Amol Jagannath More, Dr. Anurag Shrivastava	SOLAR POWERED AGRICULTURAL & HORTICULTURAL SPRAYER (UK PATENT	Mr. Amol Jagannath More	17-11-23	04 /10/2023	6316842	AISSMS IOIT, Pune	https://drive.google.com/file/d/1B_eJP8OOfo3YXkYOcwV_NnEMhI3_Ncc/view?usp=drive_link

3	6295906	Published	Mr. Nitin Prakashrao Bhone	Health Monitoring Device	Mr. Nitin Prakashrao Bhone	22-07-23	08-08-2023	6295906	AISSMS IOIT, Pune	https://drive.google.com/file/d/155k1FKK9_DOB9qPH6fV-brh8LohmpjUr/view?usp=drive_link
4	202321020513	Granted	Mrs S.V. Kulkarni Dr. V. V. Kale	HYBRID POWERED ROUTER	Mrs S.V. Kulkarni Dr. V. V. Kale	28/03/2023	28/04/2023	202321020513	AISSMS IOIT, Pune	https://drive.google.com/file/d/1BJWrAK6Y9atoQA1khjF1_GpfNhidau6S/view?usp=drive_link
5	386696-001	Granted	Mr Rajesh pashikanti Dr. C. Y. Patil Dr Amita A Shinde	A DEVICE FOR DETERMINATION ARRHYTHMIA CLASSIFICATION OF ECG	Mr Rajesh pashikanti Dr. C. Y. Patil Dr Amita A Shinde	21/05/2023	05-09-2023	386696-001	AISSMS IOIT, Pune	https://drive.google.com/file/d/1NP0wGyOQjR4pzQUgJ4fiNcEH0fOD5zxxv/view?usp=drive_link
6	402632-001	Published	Mrs. Sheetal Vijay Kulkarni Dr. B.N. Mohapatra Miss swarda, Mr sekhar, Miss Bhagyashree, Mr Pradyumna, Mr Suraj	AN AGRO AUTOMATED SPRINKLER DEVICE	Mrs. Sheetal Vijay Kulkarni Dr. B.N. Mohapatra Miss swarda, Mr sekhar, Miss Bhagyashree, Mr Pradyumna, Mr Suraj	20/12/2023	05-01-2026	402632-001	AISSMS IOIT, Pune	https://drive.google.com/file/d/1OfDsJizo6p67vYJT1CSvrB6EbvIMKz3D/view?usp=drive_link
7	201821034063	Granted	Dr. R. B. Dhumale	Smart Water Irrigation System And Method Thereof	Dr. R. B. Dhumale	10-09-18	06-12-2023	201821034063	AISSMS IOIT, Pune	https://drive.google.com/file/d/1NtglAB4EfqW5DNkK3W10dHTzRP_bSIRh/view?usp=drive_link
8	201821034062	Granted	Dr. R. B. Dhumale	Hardware Based Open Circuit Faults Diagnose System Of Switching Devices Utilizing Artificial Intelligence (Ai)	Dr. R. B. Dhumale	10-09-18	6-12-2023	201821034062	AISSMS IOIT, Pune	https://drive.google.com/file/d/19HzDmWkknQGkkTa89iOXp1NILPfm0_QZ/view?usp=drive_link

9	400111-001	Granted	Dr. V. K. Bairagi	Portable Gas Chamber for Alcohol Detection	Dr. V. K. Bairagi	17/11/2023	04-01-2024	400111-001	AISSMS IOIT, Pune	https://drive.google.com/file/d/1qNriPltdnAZjFplx2cUd-WQ1rDhUkgjY/view?usp=drive_link
10	399254-001	Granted	Dr. V. K. Bairagi	Breath Analyzer for Measuring Alcohol Concentration	Dr V K Bairagi	06-11-23	10-01-2024	399254-001	AISSMS IOIT, Pune	https://drive.google.com/file/d/1h-w8BJr12qIg4fZpqM74-hTRDneMLXQl/view?usp=drive_link
11	202321072502	Granted	Dr V K Bairagi	Portable digital oscilloscope	Dr V K Bairagi	25/10/2023	30/05/2024	540216	AISSMS IOIT, Pune	https://drive.google.com/file/d/1dTgeKcJzcHF1VrXuJ_vZO6GjHuQfh5IN/view?usp=drive_link
12	6291912	Granted	Dr. Priyadarshini Nidhan, Vijaykumar Shankar Kamble, Mr. Abhra Pratip Ray, Priyanka Torne, Dr.Krishnaiah boyana, Dr. Girdhar Gopal, Dr Julian Benadit Pernabas, Mr. Suraj Kumar, Dr. Briiesh Sathian, Ezekiel	Women's footwear with security device	Dr. Priyadarshini Nidhan, Vijaykumar Shankar Kamble, Mr. Abhra Pratip Ray, Priyanka Torne, Dr.Krishnaiah boyana, Dr. Girdhar	23/06/ 2023	25/07/2023	6291912	AISSMS IOIT, Pune	https://drive.google.com/file/d/1gZCqG0byAoOejC7tJifiHjE9g3RNRTH/view?usp=drive_link
13	384275-001	Published	Venkat Ghodke	IOT enabled health monitoring system	Venkat Ghodke	19/04/2023	08.02.2024	384275-001	AISSMS IOIT, Pune	https://drive.google.com/file/d/1qcNPmcl4oSzmHFVgeX9GP3V8c4s3avH0/view?usp=drive_link
14	2023012308312200DE	Granted	Dr Amita A Shinde	A system for face detection And notification using machine Learning and artificial intelligence	Dr Amita A Shinde	23-01-2023	23-01-2023	G06F 40/35	AISSMS IOIT, Pune	https://drive.google.com/file/d/1jrNdV3N4OhYWiBAXsaRlXweXSEFZ6XWq/view?usp=drive_link

15	385894-001	Granted	Venkat Ghodke	IoT based device for home security	Venkat Ghodke	45174	21/07/2023	385894-001	AISSMS IOIT, Pune	https://drive.google.com/file/d/16PD-AzNH9qjnbn45QH2p95yiLfdRfZdX/view?usp=drive_link
16	387701-001	Granted	Venkat Ghodke	Machine learning based stress Detection device	Venkat Ghodke	45052	01-08-2023	387701-001	AISSMS IOIT, Pune	https://drive.google.com/file/d/19jcEd7LZN68y8nGzK5vhlF5McMu6sIrr/view?usp=drive_link
17	396064-001	Published	Venkat Ghodke	Wearable system for guidance of alzheimer's disease patients with camera and screen	Venkat Ghodke	26/09/2023	10-11-2023	396064-001	AISSMS IOIT, Pune	https://drive.google.com/file/d/1zSc9ci6fDOZA-g31XEBTifVxS4PhGWym/view?usp=drive_link
18	202321059006	Published	Mr. Milind P. Gajare	LPG management system – remote lpg monitoring (booking, delivery, leakage and accident control	1 . Dr. Yogesh Pralhadrao Patil 2 . Dr. Mohini P. Sardey 3 . Mr. Milind P. Gajare 4 . Mr. Rajendra D. Shilin 5 . Mr.Devendra	03-09-23	08-12-2023	202321059006	AISSMS IOIT, Pune	https://drive.google.com/file/d/1EQ5vlZQotdb1039alducufkh_9Zls4f/view?usp=drive_link
19	201921013522	Granted	Dr. V. K. Bairagi	System and method for differentiating between seizures type	Dr. V. K. Bairagi	17/05/2023	30-01-23	419570	AISSMS IOIT, Pune	https://drive.google.com/file/d/1KRxEvVkihbZsw3vrHJ95lceErPVVzavK/view?usp=drive_link
20	201921000000	Granted	Dr. V. K. Bairagi	System and method for identification of number of clusters needed for brain tumor detection	Dr. V. K. Bairagi	30-01-23	30/01/2023	419570	AISSMS IOIT, Pune	https://drive.google.com/file/d/1KRxEvVkihbZsw3vrHJ95lceErPVVzavK/view?usp=drive_link

21	419918-001	Published	Dr. Nidhi Sharma	Nano Silver Anti-Bacterial Ceramic Water Filter	Dr. Nidhi Vijay Sharma, Dr. Nidhi Deepak Sharma, Dr. Manisha Raghuvanshi , Dr. Ashwini Barve, Dr. Madhumala RB	01306/2024	9-12-2024	419918-001	AISSMS IOIT, Pune	https://drive.google.com/file/d/1uF_JreP_myU1iXsA77jwY2OIkx3Ep6pk/view?usp=drive_link
22	202321077070	Published	Dr. Mamta Sanjay Koban	Intelligent Traffic coordination System with computer vision and IoT Integration	Dr. Mamta Sanjay Koban	15/12/2023	15/12/2023	202321077070	AISSMS IOIT, Pune	https://drive.google.com/file/d/1FVeBUdNylFV2nHOi835C5GaFSMLN2jY_/view?usp=drive_link
23	202321082697	Published	Dr. Yogesh P. Patil	an appartus for extraction of metals from waste printed circuit boards (PCB`s) and method thereof	Dr. Yogesh Pralhadrao Patil, Dr. Vrashali S. Kalyani, Dr. Ashok N. Gokarn Published on 06 June 2025	06-06-2025	06-06-2025	202321082697	AISSMS IOIT, Pune	https://drive.google.com/file/d/1IGZdXDLQoB2KdIGVH5utscHPxOLYbR7A/view?usp=drive_link
24	400009-001	Granted	Dr. Yogesh P. Patil	Reactor for recovery of valuable metals	DR. Yogesh Pralhadrao Patil, DR. Vrashali S. Kalyani, DR. Ashok N. Gokarn	15/11/2023	09-05-2024	06-2024	AISSMS IOIT, Pune	https://drive.google.com/file/d/161tXuzXIO2Zj96DCPS1wIL6kp1RsQ8D6/view?usp=drive_link
25	202321038345	Published	Dr. Yogesh P. Patil	Windows and android based app for vision enhancement for patient with hypermetropia	Dr. Yogesh Pralhadrao Patil, Udayan Sangramsinh Taware, Sarthak Annasaheb Nage	05-06-23	6-10-2023	202321038345	AISSMS IOIT, Pune	https://drive.google.com/file/d/1P-zETG_QWXECfQPEcIIObyveIkkXtP7/view?usp=drive_link

Year 2022 (5- Published, 6- Granted)

1	2022/04880	Granted	Dr. V. K. Bairagi, Dr.S.A.Panwar	System For Calling And Receiving Landline Phone Calls Over Smart Mobile Through Wi-Fi (South Africa Patent)	Dr. V. K. Bairagi, Dr. S. A. Panwar	04-05-2022	29-06-2022	2022/04880	AISSMS IOIT,Pune	https://drive.google.com/file/d/1m8cxPu1KxbSxO7HJyPqVYZgWGmedSIK/view?usp=sharing
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2	202121041701	Granted	Dr. Y. P. Patil	Automated Apparatus for waste segregation	Dr. Y. P. Patil	15-09-2021	21-09-2022	407243	AISSMS IOIT,Pune	https://drive.google.com/file/d/1ss7v0heA8U5Kp9JGWxmkXJzf0JgtSfmc/view?usp=sharing
3	343354-001	Published	Dr. V. K. Bairagi	PORTABLE TROLLEY design	Dr. V. K. Bairagi	11-05-21	16-12-22	343354-001	AISSMS IOIT,Pune	https://drive.google.com/file/d/1xx8-hBva5NyM41Y49lrGfK2_mXFOTJBJ/view?usp=sharing
4	343352-001	Published	Dr. V. K. Bairagi	TRAVELLER TROLLEY design	Dr. V. K. Bairagi	11-05-21	15-12-22	343352-001	AISSMS IOIT,Pune	https://drive.google.com/file/d/1v2GmqQy7qXaSZMOrPX8PuJzvyFzsNa_/view?usp=sharing
5	202121036935	Granted	Dr Amita Shinde	Smart and safe geyser system for bathroom with controlled latch	Dr Amita Shinde	15/08/2021	17/03/2022	392183	AISSMS IOIT,Pune	https://drive.google.com/file/d/1GH3nrTM86XxqSsF6gKujChBTyuS5SUN8/view?usp=sharing
6	201821027705	Granted	Dr D S Bormane, Dr A K Ratnaparkhi	A fuzzy rough based portable miniature diligent system for monitoring of heart condition	Dr D S Bormane,	24/07/2018	30/06/2022	400510	AISSMS IOIT,Pune	https://drive.google.com/file/d/1xL30WfO9y48sjoYSvtvLoeVwGsh6BX1_/view?usp=sharing
7	201821017915	Granted	Dr D S Bormane, Dr A K Ratnaparkhi	A soft rough set based heart health monitoring system	Dr D S Bormane,	05-12-18	07-11-22	401117	AISSMS IOIT,Pune	https://drive.google.com/file/d/19Tm0KVguF3GpVWwmlEZRBZp9fkrOqr3v/view?usp=sharing
8	1721/MUM/2015	Granted	Dr. P. B. Mane, Dr. V. K. Bairagi	Smart waste collection and management system	Dr. P. B. Mane,	30/04/2015	18/07/2022	401509	AISSMS IOIT,Pune	https://drive.google.com/file/d/1ULtWSL7jxwClIntglvXnbBsiXoYpDdjv/view?usp=sharing
9	202121041701	Published	Dr. Y. P. Patil	Automated Apparatus for waste segregation	Dr. Y. P. Patil	15/09/2021	21-09-22	407243	AISSMS IOIT,Pune	https://drive.google.com/file/d/1ss7v0heA8U5Kp9JGWxmkXJzf0JgtSfmc/view?usp=sharing
10	362869-001	Published	Suresh Limkar	KEY CHAIN CUM PORTABLE STORAGE FOR ELECTRONIC ACCESSORIES (SET)	Suresh Limkar	20-04-22	18-04-24	362869-001	AISSMS IOIT,Pune	https://drive.google.com/file/d/10e6jtQaIAKlUghDZXPTNkzMCPRiwiZ5v/view?usp=sharing
11	362786-001	Published	Dr. Sarika A Panwar	SMART IOT BASED WOMEN SAFETY MONITORING WRIST BAND	Dr. Sarika A Panwar	19-04-22	23-09-22	362786-001	AISSMS IOIT,Pune	https://drive.google.com/file/d/11DXQSYZWiEUIYeSszZAWKqiNvSbJew0K-/view?usp=sharing