

Patent Details for Verification_NIRF2024

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**

Institute ID: **IR-E-I-1056**




Provide below the Year-wise Count of Submitted Patent Data by the Institute (2020 to 2022) for NIRF2024 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)
2	3	6	0	9	10	11	19

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 2023-24 (6- Published, 10- Granted)

1	202321055491A	Published	Amol Jagannath More	MULTI-SENSOR VEHICLE POSITIONING SYSTEM EMPLOYING SHARED DATA PROTOCOL	Mr. Amol Jagannath More	18-08-23	01-09-2023	202321055491A	AISSMS IOIT	
2	6316842	Published	Amol Jagannath More	SOLAR POWERED AGRICULTURAL & HORTICULTURAL SPRAYER (UK PATENT)	Mr. Amol Jagannath More	17/11/2023	04-10-23	6316842	AISSMS IOIT	
3	6295906	Published	Mr. Nitin Prakashrao Bhone	IOT AND AI BASED HEALTH MONITORING SYSTEM	Mr. Nitin Prakashrao Bhone	12-07-23	08-08-2023	6295906	AISSMS IOIT	
4	402632-001	Published	Mrs. Sheetal Vijay Kulkarni Dr. B.N. Mohapatra Miss	AN AGRO AUTOMATED SPRINKLER DEVICE	Mrs. Sheetal Vijay Kulkarni Dr. B.N. Mohapatra Miss swarda, Mr	20-12-23	20-12-23	402632-001	AISSMS IOIT, Pune	https://search.ipindia.gov.in/DesignApplicationStatus/
5	396064-001	Published	Venkat Ghodke	Wearable system for guidance of alzheimer's disease patients with camera and screen	Venkat Ghodke	26-09-23	10-11-23	396064-001	AISSMS IOIT, Pune	https://iprsearch.ipindia.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
6	2.02321E+11	Published	Mr. Milind P. Gajare	LPG management system – remote lpg monitoring (booking, delivery, leakage and accident control)	Mr. Milind P. Gajare	03-09-23	08-12-23	202321059006	AISSMS IOIT, Pune	https://iprsearch.ipindia.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
7	2.02321E+11	Granted	Mrs S.V. Kulkarni Dr. V. V. Kale	HYBRID POWERED ROUTER	Mrs S.V. Kulkarni Dr. V. V. Kale	28-03-23	28-04-23	202321020513	AISSMS IOIT, Pune	iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus

8	386696-001	Granted	Mr Rajesh pashikanti Dr. C. Y. Patil Dr Amita A	A DEVICE FOR DETERMINATION OF ARRHYTHMIA CLASSIFICATION OF ECG	Mr Rajesh pashikanti Dr. C. Y. Patil Dr Amita A Shinde	21-05-23	05-09-23	386696-001	AISSMS IOIT, Pune	https://search.ipindia.gov.in/DesignApplicationStatus/
9	2.01821E+11	Granted	Dr. R. B. Dhumale	Smart Water Irrigation System And Method Thereof	Dr. R. B. Dhumale	10-09-18	06-12-23	201821034061	AISSMS IOIT, Pune	https://search.ipindia.gov.in/DesignApplicationStatus/
10	2.01821E+11	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	06-12-23	2.01821E+11	AISSMS IOIT, Pune	https://search.ipindia.gov.in/DesignApplicationStatus/
11	Design number: 6291912	Granted	Dr. Priyadarshini Nidhan, Vijaykumar Shankar	Women's footwear with security device	Dr. Priyadarshini Nidhan, Vijaykumar Shankar Kamble, Mr. Abhra	23-06-23	25-07-23	Design number: 6291912	Vijaykumar Shankar Kamble AISSMS IOIT-Pune	https://www.registered-design.service.gov.uk/find/6291912
12	2023012308312200DE	Granted	Dr Amita A Shinde	A system for face detection And notification using machine Learning and artificial intelligence	Dr Amita A Shinde	23-01-23	23-01-23	G06F 40/35	AISSMS IOIT, Pune	https://www.dpma.de/
13	385894-001	Granted	Venkat Ghodke	IoT based device for home security	Venkat Ghodke	09-05-23	21-07-23	385894-001	AISSMS IOIT, Pune	https://ipsearch.ipindia.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
14	387701-001	Granted	Venkat Ghodke	Machine learning based stress Detection device	Venkat Ghodke	05-06-23	01-08-23	387701-001	AISSMS IOIT, Pune	https://ipsearch.ipindia.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
15	2.01921E+11	Granted	Dr. V. K. Bairagi	System and method for differentiating between seizures type	Dr. V. K. Bairagi	08-08-19	17-05-23	432028	AISSMS IOIT, Pune	https://ipsearch.ipindia.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
16	2.01921E+11	Granted	Dr. V. K. Bairagi	System and method for identification of number of clusters needed for brain tumor detection	Dr. V. K. Bairagi	03-04-19	30-01-23	419570	AISSMS IOIT, Pune	https://ipsearch.ipindia.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
Year 2022-23(4- Published, 5- Granted)										
1	201921032259	Granted	Dr. V. K. Bairagi	System and method for differentiating between seizures type	Dr. V. K. Bairagi	08-08-2019	17-05-2023	432028	AISSMS IOIT,Pune	/ipsearch.ipindia.gov.in
2	2023012308312200D	Granted	Amita A Shinde	A system for face detection And notification using machine Learning and artificial intelligence	Amita A Shinde	23-01-2023	13-03-2023	G06F 40/35	AISSMS IOIT,Pune	https://www.dpma.de/

3	201921013522	Granted	Dr. V. K. Bairagi	System and method for identification of number of clusters needed for brain tumor detection	Dr. V. K. Bairagi	03-04-2019	30-01-2023	419570	AISSMS IOIT,Pune	/iprsearch.ipindia.gov.in
4	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://iponline.cipc.co.za/
5	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	/iprsearch.ipindia.gov.in
6	202321020513	Published	Mrs. S V Kulkarni	Hybrid Power Rotor	Mrs. S V Kulkarni	23-03-23	30-10-23	463744	AISSMS IOIT,Pune	iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
7	343354-001	Published	Dr. V. K. Bairagi	RORTABLE TROLLEY design	Dr. V. K. Bairagi	11-05-21	15-12-22		AISSMS IOIT,Pune	ipindia.gov.in/DesignApplicationStatus
8	343352-001	Published	Dr. V. K. Bairagi	TRAVELLER TROLLEY design	Dr. V. K. Bairagi	11-05-21	15-12-22		AISSMS IOIT,Pune	ipindia.gov.in/DesignApplicationStatus/
9	202221024402	Published	Devendra Itole	A Device for repelling Animals	Devendra Itole	26-04-22	13-05-22		AISSMS IOIT,Pune	https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus

Year 2021-22(5- Published, 8- Granted)

1	202022100696	Granted	Dr D R Shende	An analog emulator system for temperature control of a heat exchanger (<i>German Patent</i>)	Dr D R Shende	2-7-2022	17/02/2022	202022100696	AISSMS IOIT,Pune	
2	202121036935	Granted	Dr Amita Shinde	Smart and safe geyser system for bathroom with controlled latch	Dr Amita Shinde	15/08/2021	17/03/2022	202121036935	AISSMS IOIT,Pune	https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/PublicationStatus
3	2021100238	Granted	D R Shende, G V Lakhekar, L M Waghmare	Adaptive spatial trajectory tracking control for autonomous underwater vehicle (<i>Australian Patent</i>)	D R Shende, G V Lakhekar, L M Waghmare	14/01/2021	31/03/2021	2021100238	AISSMS IOIT,Pune	
4	340484-001	Published	Dr. S V Limkar	Locking Device For Laptop – (Design)	Dr. S V Limkar	03-10-21	31/12/2021	340484-001	AISSMS IOIT,Pune	https://search.ipindia.gov.in/DesignApplicationStatus
5	202021006596	Granted	Dr. Y. P. Patil, Dr P B Mane	Nonhazardous waste sanitary pad decomposition system	Dr. Y. P. Patil, Dr P B Mane	14/02/2020	29/11/2021	202021006596	AISSMS IOIT,Pune	https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/PublicationStatus
6	201921014084	Granted	Dr D S Bormane, Dr S R wadar	Method, apparatus and system For finding a square root of a perfect square number	Dr D S Bormane,	04-08-19	05-03-21	201921014084	AISSMS IOIT,Pune	https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/PublicationStatus
7	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	201821027705	AISSMS IOIT,Pune	https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/PublicationStatus
8	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	201821017915	AISSMS IOIT,Pune	https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/PublicationStatus

9	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	1721/MUM/2015	AISSMS IOIT,Pune	https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
10	202121041701	Published	Dr. Y. P. Patil	Automated Apparatus for waste segregation	Dr. Y. P. Patil	15/09/2021	29/10/2021	202121041701	AISSMS IOIT,Pune	https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
11	202141001290	Published	Dr.Meena kshi A. Thalor	IAH-Waste Management: Intelligent waste management for Ayurveda hospitals using IoT-Based.	Dr.Meenakshi A. Thalor	1-12-2021	22/01/2021	202141001290	AISSMS IOIT,Pune	https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
12	202141004759	Published	Dr.Meena kshi A. Thalor	ASTHMA detection and Notification using IoT based with very Small Device	Dr.Meenakshi A. Thalor	2-4-2021	26/02/21	202141004759	AISSMS IOIT,Pune	https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
13	202141013638	Published	Ms. Madhuri B. Thorat	Natural Language Processing based Patient Medical conditions Assessment System	Ms. Madhuri B. Thorat	27/03/2021	04-02-21	202141013638	AISSMS IOIT,Pune	https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/ApplicationStatus