

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_2020	Published_2021	Published_2022	Granted_2020	Granted_2021	Granted_2022	Total Published (2020-2022)	Total Granted (2020-2022)
12	8	4	1	9	5	24	15

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.
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	/iprsearch.ipindia.gov.in
2	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	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	23-03-2023	30-10-2023	202321020513	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	11-05-2021	16-12-2022	203349	AISSMS IOIT,Pune	ipindia.gov.in/DesignApplicationStatus
8	343352-001	Published	Dr. V. K. Bairagi	TRAVELLER TROLLEY design	Dr. V. K. Bairagi	11-05-2021	15-12-2022	203347	AISSMS IOIT,Pune	ipindia.gov.in/DesignApplicationStatus/
9	202221024402	Published	Devendra Itole	A Device for repelling Animals	Devendra Itole	26-04-2022	13-05-2022	202221024402	AISSMS IOIT,Pune	https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
Year 2021-22 (8- Published, 9- Granted)										

1	202022100696	Granted	Dr D R Shende	An analog emulator system for temperature control of a heat exchanger (German Patent)	Dr D R Shende	07-02-2022	17/02/2022	202022100696	AISSMS IOIT,Pune	0
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/ApplicationStatus
3	2021100238	Granted	D R Shende, G V Lakhekar, L M Waghmare	Adaptive spatial trajectory tracking control for autonomous underwater vehicle (Australian Patent)	D R Shende, G V Lakhekar, L M Waghmare	14/01/2021	31/03/2021	2021100238	AISSMS IOIT,Pune	0
4	340484-001	Published	Dr. S V Limkar	Locking Device For Laptop – (Design)	Dr. S V Limkar	10-03-2021	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/ApplicationStatus
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, Dr S R Wadar	08-04-2019	03-05-2021	201921014084	AISSMS IOIT,Pune	https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
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, Dr A K Ratnaparkhi	24/07/2018	30/06/2022	201821027705	AISSMS IOIT,Pune	https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
8	201821017915	Granted	Dr D S Bormane, Dr A K Ratnaparkhi	A soft rough set based heart health monitoring system	Dr D S Bormane, Dr A K Ratnaparkhi	12-05-2018	11-07-2022	201821017915	AISSMS IOIT,Pune	https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
9	1721/MUM/2015	Granted	Dr. P. B. Mane, Dr. V. K. Bairagi	Smart waste collection and management system	Dr. P. B. Mane, Dr. V. K. Bairagi	30/04/2015	18/07/2022	1721/MUM/2015	AISSMS IOIT,Pune	https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/ApplicationStatus

10	202221024402	Published	Mr. D. A. Itole, Mr. Gajare Milind P.	A Device for Repelling Animals	Mr. D. A. Itole, Mr. Gajare Milind P.	26/04/2022	13/05/2022	202221024402		https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
11	202221005289	Published	Dr K S Wagh	Webserver for Text to Speech conversion	Dr K S Wagh	31/01/2022	08-04-2022	202221005289		https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
12	202221008798	Published	Dr. Mrunal K. Pathak	CNN Based Finger Vein Identification System	Dr. Mrunal K. Pathak	19/02/2022	11-03-2022	202221008798	AISSMS IOIT,Pune	https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
13	202221000439	Published	Dr. Mrunal K. Pathak	Methodology for Analyzing the Quality of Websites Based On Machine Learning Techniques	Dr. Mrunal K. Pathak	04-01-2022	04-02-2022	202221000439	AISSMS IOIT,Pune	https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
14	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
15	202141001290	Published	Dr.Meenakshi A. Thalor	IAH-Waste Management: Intelligent waste management for Ayurveda hospitals using IoT-Based.	Dr.Meenakshi A. Thalor	12-01-2021	22/01/2021	202141001290	AISSMS IOIT,Pune	https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
16	202141004759	Published	Dr.Meenakshi A. Thalor	ASTHMA detection and Notification using IoT based with very Small Device	Dr.Meenakshi A. Thalor	04-02-2021	26/02/21	202141004759	AISSMS IOIT,Pune	https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
17	202141013638	Published	Ms. Madhuri B. Thorat	Natural Language Processing based Assessment System Patient Medical conditions	Ms. Madhuri B. Thorat	27/03/2021	02-04-2021	202141013638	AISSMS IOIT,Pune	https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
Year 2020-21 (12- Published, 1- Granted)										
1	2021100238	Granted	Dr. D R Shende, Mr. G V Lakhekar, Dr. L M Waghmare	Adaptive spatial trajectory tracking control for autonomous underwater vehicle(Australian Patent)	Dr. D R Shende, Mr. G V Lakhekar, Dr. L M Waghmare	14/01/21	31/03/2020	2021100238	AISSMS IOIT,Pune	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021100238

2	202141001290	Published	Dr.Meenakshi A. Thalor	IAH-Waste Management: Intelligent waste management for Ayurveda hospitals using IoT-Based.	Dr.Meenakshi A. Thalor	22/01/2021	22/01/2021	202141001290	AISSMS IOIT,Pune	https://search.ipindia.gov.in/IPOJournal/Journal/Patent
3	202141004759	Published	Dr.Meenakshi A. Thalor	ASTHMA detection and Notification using IoT based with very Small Device	Dr.Meenakshi A. Thalor	26-02-21	26-02-21	202141004759	AISSMS IOIT,Pune	https://search.ipindia.gov.in/IPOJournal/Journal/Patent
4	202141013638	Published	Ms. Madhuri B. Thorat	Natural Language Processing based Patient Medical conditions Assessment System	Ms. Madhuri B. Thorat	27/03/2021	27/03/2021	202141013638	AISSMS IOIT,Pune	https://ipindiaservices.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
5	202021006596	Published	Dr. Y. P. Patil	Nonhazardous waste sanitary pad decomposition system	Dr. Y. P. Patil	14/02/2020	14/02/2020	202021006596	AISSMS IOIT,Pune	https://ipindiaservices.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
6	202021006665	Published	Dr. Y. P. Patil	IoT based power theft detection and monitoring system	Dr. Y. P. Patil	16/02/2020	21/02/2020	202021006665	AISSMS IOIT,Pune	https://ipindiaservices.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
7	202021003501	Published	Ms. Mousami Vanjale	A Method for Enhancing and Estimating Lifetime of Wireless Ad Hoc Network	Ms. Mousami Vanjale	27/01/2020	16/10/2020	202021003501	AISSMS IOIT,Pune	ipindiaservices.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
8	202021008223	Published	Mrs. Shilpa P. Pimpalkar	IOT based water dispensing apparatus	Mrs. Shilpa P. Pimpalkar	26/02/2020	22/05/2020	202021008223	AISSMS IOIT,Pune	http://www.ipindia.gov.in/writereaddata/Portal/IPOJournal/1_4868_1/Patent-1.pdf
9	201921016526	Published	Dr. V. K. Bairagi	Method and System of chronic obstructive pulmonary disease grade determination using surface electromyography	Dr. V. K. Bairagi	25/04/2019	30/10/2020	201921016526	AISSMS IOIT,Pune	https://ipindiaservices.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
10	201921018994	Published	Mr. Prashant Wakhare	SMART AIR CONDITIONER CONTROLLER - AN IOT APPLICATION	Mr. Prashant Wakhare	13/05/2019	20/11/2020	201921018994	AISSMS IOIT,Pune	https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/PatentDetails
11	202031050746	Published	Dr. K S Wagh; Mr. C N Aher; Dr. S V Limkar	IOT Based Modern Site Supervising Method	Dr. K S Wagh; Mr. C N Aher; Dr. S V Limkar	21/11/2020	21/11/2020	202031050746	AISSMS IOIT,Pune	https://ipindiaservices.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
12	201921014004	Published	Mrs S. V. Kulkarni	Lab view based runway visibility measurement using forward scattering	Mrs S. V. Kulkarni	04-08-2019	10-09-2020	201921014004	AISSMS IOIT,Pune	https://ipindiaservices.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
13	201921014006	Published	Mrs S. V. Kulkarni	Web based auto-pneumatic solar panel cleaning system	Mrs S. V. Kulkarni	04-08-2019	10-09-2020	201921014006	AISSMS IOIT,Pune	https://ipindiaservices.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus