

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 2022 – 2024 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.

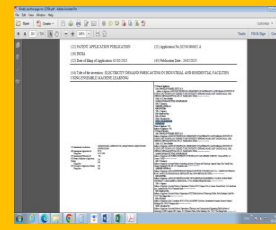
Discipline Name applied for NIRF2026 Ranking: **IR_ENGINEERING**

Institute ID: **IR-E-C-36971**

Provide below the Year-wise Count of Submitted Patent Data by the Institute (2022 to 2024) for NIRF2026 as applied in Discipline-specific:

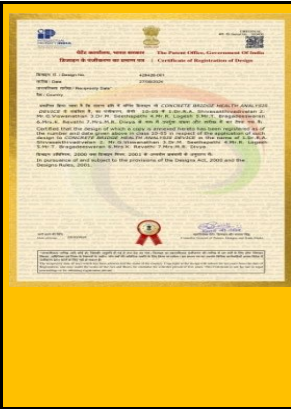
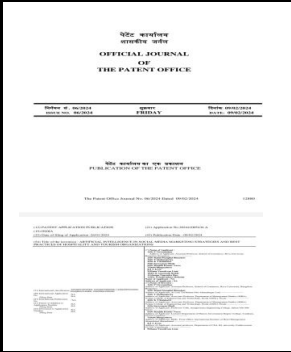
Published_2022	Published_2023	Published_2024	Granted_2022	Granted_2023	Granted_2024	Total Published	Total Granted
1	3	2	0	5	1	6	6

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/YY)	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	202341006632 A	Published	Dr.I.Alagarasan P.Ganga	Electricaity demand forecasting in industrial and residential facilities using ensemble machine learning	Dr.I.Alagarasan P.Ganga	2/1/2023	2/24/2023		Annapoorana Engineering College, Salem.	

2	202241025840 A	Published	Dr. B.Ramesh	CONCEPTUAL APPROACH ON THE MAIN ASPECTS INVOLVED IN DIGITAL MEDICAL IMAGE PROCESSING AND ANALYSIS	Dr. B.Ramesh	5/4/2022	5/13/2022		Annapoorana Engineering College, Salem.	
3	.202441073203 A	Published	SUJITHA R	IMPLEMENTATION OF MACHINE LEARNING APPROACHES FOR SUPPLY CHAIN OPTIMIZATION THROUGH HR PREDICTIVE ANALYTICS IN E-COMMERCE	SUJITHA R, M.SARANYA	27.09.2024	04.10.2024		Annapoorana Engineering College, Salem.	
4	202341006035 A	Published	Dr.A.Anbuchejian	INCREASING STRENGTH OF BUILDINGS BY INTRODUCING NEW MATERIALS	Mrs. R. S. Gandhimathi, Dr. A. Murugesan, Dr. S. Dhipan Aravind, Mrs. T. Divya, Mr. R. A. Shivasakthivadivelan, Mr. P. Ayyanar, Mrs. Silpa. N, Ms. P. Selvapriya, Mr.	1/31/2023	2/10/2023			
5		Granted	Dr.K.Vidhya	Ultrasonic Concrete Mixer	Mrs.E.Kavitha, Dr.S.Revathi, Dr.R.A.Shivasakthivadivelan	2/22/2023	5/16/2023	379894-00	Mahendra Engineering College	

6		Granted	Dr.K.Vidhya	Rain Water Storage cum Interlocking Brick	Mrs.E.Kavitha, Dr.S.Revathi, Dr.R.A.Shivasakt hivadivelan, Mr.S.Manishankar	7/28/2023	11/16/2023	891443-001	Mahendra Engineering College	
7		Granted	Dr.M.Shivakumarr	Construction Material Testing Machine	Dr.R.A.Shivasakt hivadivelan, Ms.R.Venkada Lakshmi, Ms.E.Kavitha	7/29/2023	10/11/2023	891522-001	Annapoorana Engineering College, Salem.	
8		Granted	Mr.D.Arul	Prefabricated Plastic Panels for Road Construction	Ms.Priya Chauhan, Dr.R.S.Gandhimathi, Dr.Nisha Thakur, Mr.R.Elavarasan, Mr.T.Bragadeeswaran	9/25/2023	11/8/2023	896000-001	Annapoorana Engineering College, Salem.	
9		Granted	Dr.S.Gunasekar	Digital Leveling Equipment for Construction Industry	Dr.S.Ramakrishnan, Dr.R.S.Gandhimathi, Mrs.L.Reena, Mrs.C.Vinodhini, Mr.Selvam Balakrishnan, Dr.S.Revathi, Dr.R.A.Shivasakt hivadivelan, Mr.S.Manishankar	7/23/2023	9/5/2023	424280-001	Annapoorana Engineering College, Salem.	

10		Granted	Dr.R.A. Shivasakthivadivelan	CONCRETE BRIDGE HEALTH ANALYSIS DEVICE	Dr.R.A. Shivasakthivadivelan, Mr.G.Viswanathan, Dr.M. Seethapathi, Mr.R. Logesh, Mr.T. Bragadeeswaran, Mrs.K. Revathi, Mrs.M.R. Divya	8/27/2024	10/24/2024	428426-001	Annapoorana Engineering College, Salem.	
11	202441005436 A	Published	Dr. O. SARAVANAN	ARTIFICIAL INTELLIGENCE IN SOCIAL MEDIA MARKETING STRATEGIES AND BEST PRACTICES OF HOSPITALITY AND TOURISM ORGANIZATIONS	Dr. O. SARAVANAN	1/26/2024	2/9/2024	06/2024 Dated 09/02/2024	Annapoorana Engineering College, Salem.	
12	399941-001	Published	Dr.J.Sivakumar, Dr.R.Silambarasan, Dr.V.Moorthi, Dr.M.Senthil	Machine learning - based fruit grading machine	Dr.J.Sivakumar, Dr.R.Silambarasan, Dr.V.Moorthi, Dr.M.Senthil	20.05.2022	15.11.2023	159172	Annapoorana Engineering College, Salem.	