

Patent Details for Verification_NIRF 2026

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. These details should not be entered or provided in the list below as these 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 2026 Ranking: **IR_OVERALL / IR_ENGINEERING**



Institute ID: **C-19915**

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 (2022-2024)	Total Granted (2022-2024)
5	4	17	0	0	0	28	0

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.
1	2.02241E+11	PUBLISHED	DR. B. RAVI KUMAR	ARTIFICIAL INTELLIGENCE-BASED APPROACH TO PREDICT THE REGENERATION OF GENETICALLY MODIFIED PLANTS AND DETECT THEIR CROP YIELD QUALITY	RAVI KUMAR BANOOTH ET AL.	06-04-2022	06-10-2022	202241032073A	SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES	
2	2.02241E+11	PUBLISHED	DR. S. GOPALAKRISHNAN	ANALYSIS OF MEDICAL DATA MINING AND DECISION SUPPORT SYSTEM BASED ON THE MEDICAL INTERNET	DR. JOSE ANAND ET AL.	04-01-2022	04-08-2022	202241019847 A	SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES	The Patent Office Journal No. 14/2022 Dated 08/04/2022. Pg. 21848
3	2.02241E+11	PUBLISHED	MS. NAFIZA, DR. S. GOPALAKRISHNAN	IoT BASED LOW COST EFFECTIVE PUBLIC TRANSPORT CROWD MONITORING SYSTEM	MS. NAFIZA, DR. S. GOPALAKRISHNAN	27/06/2022	01/07/2022	202241036872 A	SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES	https://ipsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
4	2.02221E+11	PUBLISHED	DR. AKELLA SATYANARAYANA	A PLATFORM FOR MANAGING DEVICES AND APPLICATIONS ON THE INTERNET OF THINGS, WITH MANIOT	DR. AKELLA SATYANARAYANA ET AL.	22/06/2022	15/07/2022	202221035918 A	SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES	https://ipsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
5	2.02241E+11	PUBLISHED	DR. G. DEANALAKSHMI, DR. S. DINESH KUMAR, DR. V. VIJAYABHASKER, DR. G. SREENIVAS.	DESIGN AND DEVELOPMENT OF HEAVY DRONE FOR FIRE FIGHTING OPERATION	DR. M. SUSHANTH BABU ET AL.	12/09/2022	23/09/2022	202241051889 A	SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES	The Patent Office Journal No. 38/2022 Dated 23/09/2022.
6	2.02341E+11	PUBLISHED	NAGA JYOTHI ORSU, VEMULA SATISH	ANALYSIS OF SECURITY AND PRIVACY ISSUES FOR ARTIFICIAL INTELLIGENCE IN EDGE-CLOUD COMPUTING	NAGA JYOTHI ORSU, VEMULA SATISH ET AL.	09-07-2023	10-06-2023	202341066070	SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES	https://ipsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
7	2.02341E+11	PUBLISHED	DR. AKELLA SATYANARAYANA	INTELLIGENT OBJECT TRACKING SYSTEM USING MACHINE LEARNING AND COMPUTER VISION FOR APPLICATION	DR. AKELLA SATYANARAYANA ET AL.	14/05/2023	18/08/2023	2.02341E+11	SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES	https://ipsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
8	2.02341E+11	PUBLISHED	VALLEPU VISHNU VARDHAN	STRENGTHENING OF SELF COMPACTING CONCRETE WITH STEEL FIBRE REINFORCEMENT	VALLEPU VISHNU VARDHAN	05/10/2023	20/10/2023	202341066743	SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES	https://ipsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
9	2.02341E+11	PUBLISHED	DR. ANIL KUMAR SAHU	INNOVATIVE IOT ENABLED ADVANCED TRAFFIC MANAGEMENT SYSTEM	DR. ANIL KUMAR SAHU ET AL.	23/09/2023	06/10/2023	202341064023	SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES	https://ipsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
10	2.02441E+11	PUBLISHED	YAMINI CHOUHAN	A SYSTEM AND METHOD FOR ASSISTING USER ALARM USING IOT	DR. RAM MURAT SINGH ET AL.	19/01/2024	09/02/2024	202441003972	SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES	https://ipsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus

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11	2.02441E+11	PUBLISHED	BODA SRILEKHA	AN AI ENABLED IOT INTEGRATED SMART FARMING SYSTEM	DR. ANJALIAH ADEPU ET AL.	12/04/2024	19/04/2024	202441029860 A	SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES	https://ipsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
12	2.02441E+11	PUBLISHED	MADIPALLI SUMALATHA	A DEEP LEARNING FRAMEWORK FOR AUTOMATIC EARLY CROP DISEASE DETECTION	DR. ANJALIAH ADEPU ET AL.	15/03/2024	29/03/2024	202441019346 A	SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES	https://ipsearch.ipindia.gov.in/PublicSearch/PublicationSearch/ViewApplicationStatus
13	2.02541E+11	PUBLISHED	M. NARSIMHA	SYSTEM AND METHOD FOR EXPLORING NEW MATERIALS AND ALLOYS FOR HIGH-PERFORMANCE WELDED STRUCTURES	DR. N. ABILASH ET AL.	18/12/2023	12/01/2024	202541086593 A	SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES	https://ipsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
14	2.02441E+11	PUBLISHED	MR. KORAVENI VIJAY	A COMPLEX DEEP LEARNING MODEL INCORPORATING MACHINE LEARNING FOR SECURING AUTHENTICATION IN MOBILE CLOUD COMPUTING SYSTEMS	DR. THATICHERLA MANASAVEENA ET AL.	01/07/2024	05/07/2024	202441050349	SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES	https://ipsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
15	2.02411E+11	PUBLISHED	DR. MAHESH MUDAVATH, MRS. M.SUMALATHA, MRS. SHERISHA, MRS. VUKANTI SRAVANTHI, ANURADHA, MR. BANOTHSRINU,	A UNIVERSAL VALVE CONTROL DEVICE FOR SMART IRRIGATION MONITORING BASED ON RENEWABLE ENERGY	DR. MAHESH MUDAVATH ET AL.	10/12/2024	27/12/2024	202411097348 A	SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES	https://ipsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
16	415771-001	PUBLISHED	N.BHARGAVI	RECONSTRUCTIVE SURGERY ANALYSING PORTABLE DEVICE	DR.M.RAJESHWAR REDDY ET AL.	05-03-2024	05-03-2024	173291	SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES	
17	2.02541E+11	PUBLISHED	J.PRIYANKA	A SYSTEM AND METHOD FOR LOW-LATENCY COMMUNICATION IN AUTONOMOUS VEHICLE NETWORKS	MRS.SAMBU ANITHA ET AL.	17/09/2025	17/10/2025	202541088671	SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES	
18	415771-001	PUBLISHED	R.SHERISHA	RECONSTRUCTIVE SURGERY ANALYSING PORTABLE DEVICE	DR.M.RAJESHWAR REDDY ET AL.	05-03-2024	05-03-2024	173291	SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES	
19	2.02441E+11	PUBLISHED	MR. KORAVENI VIJAY	A COMPLEX DEEP LEARNING MODEL IN INCORPORATING MACHINE LEARNING FOR SECURING AUTHENTICATION IN MOBILE CLOUD COMPUTING SYSTEMS	DR.THATICHERLA MANASAVEENA ET AL.	07-01-2024	07-05-2024	2.02441E+11	SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES	
20	415135-001	PUBLISHED	DR. B. RAVI KUMAR	IOT BASED CROP HEALTH MONITORING DEVICE	IPR, INDIA ET AL.	27-04-2024	07-06-2024	415135-001	SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES	
21	2.02411E+11	PUBLISHED	DR. M. MAHESH,MRS. D. SHREESHA,MRS. M. SUMALATHA,MRS. V. SRAVANTHI, ANURADHA,MR. BANOTHSRINU,A ANURADHA	A UNIVERSAL VALVE CONTROL DEVICE FOR SMART IRRIGATION MONITORING BASED ON RENEWABLE ENERGY	DR. M. MAHESH ET AL.	10/12/2024	27/12/2024	202411097348	SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES	https://ipsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
22	2.02441E+11	PUBLISHED	MRS. M. SUMALATHA	A DEEP LEARNING FRAMEWORK FOR AUTOMATIC EARLY CROP DISEASE DETECTION	MRS. M. SUMALATHA ET AL.	15/03/2024	29/03/2024	202441019346	SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES	https://ipsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus

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23	6400496	PUBLISHED	P RUSHIKESHRAO	HYBRID WIND AND SOLAR POWER CHARGING STATION	P RUSHIKESHRAO ET AL.	25/10/2024	25/10/2024	6400496	SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES	
24	419117-001	PUBLISHED	YAMINI CHOUHAN	KEYBOARD ASSISTANT DEVICE WITH GESTURE CONTROL INTERFACE	YAMINI CHOUHAN ET AL.	05-06-2024	16/08/2024	419117-001	SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES	
25	420486-001	PUBLISHED	YAMINI CHOUHAN	ARTIFICIAL INTELLIGENCE BASED SYSTEM FOR REMOTE HEALTH MONITORING OF ELDERLY PATIENTS	YAMINI CHOUHAN ET AL.	18/06/2024	08-02-2024	420486-001	SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES	https://search.ipindia.gov.in/Design/ApplicationStatus
26	2.02441E+11	PUBLISHED	T.MANASA	UNRAVELING ECOSYSTEM DYNAMICS: A BOTANICAL AND ZOOLOGICAL EXPLORATION	T.MANASA ET AL.	06-04-2024	14/06/2024	2.02441E+11	SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES	https://iprsrch.ipindia.gov.in/PatentSearch/ViewApplicationStatus
27	419117-001	PUBLISHED	YAMINI CHOUHAN, FAROOQHUSSAIN MOHAMMAD	KEYBOARD ASSISTANT DEVICE WITH GESTURE CONTROL INTERFACE	YAMINI CHOUHAN, FAROOQHUSSAIN MOHAMMAD	05-06-2024	16-08-2024	419117-001	SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES	
28	420486-001	PUBLISHED	YAMINI CHOUHAN	ARTIFICIAL INTELLIGENCE BASED SYSTEM FOR REMOTE HEALTH MONITORING OF ELDERLY PATIENTS	YAMINI CHOUHAN	18-06-2024	30-07-2024	420486-001	SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES	

