

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: e.g. IR_INNOVATION								Institute ID: IR-I-C-24986		
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)			
18	15	19	0	6	1	52	7			
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	202441099610	Published	Dr. P. Shyamala Anto Mary Dr. S. Mohankumar Dr. R. Karthikeyan Mr. J. Sophers Mrs. R M Samukthaa Dr. S. Dineshkumar Dr. S. Kavithaa Mrs. R. Priya Dr. M. Bhuvaneshwari Mr. T. Ramesh	Enhancing Social Network Analysis through Graph Labeling Techniques	Dr. P. Shyamala Anto Mary Dr. S. Mohankumar Dr. R. Karthikeyan Mr. J. Sophers Mrs. R M Samukthaa Dr. S. Dineshkumar Dr. S. Kavithaa Mrs. R. Priya Dr. M. Bhuvaneshwari Mr. T. Ramesh	16-12-2024	20-12-2024	51/2024	Mr. J. Sophers Kongunadu College of Engineering and Technology	https://kongunadu.ac.in/wp-content/uploads/2026/02/202441099610_Enhancing-Social-Network-Analysis-through-Graph-Labeling-Techniques.pdf
2	202411009043	Published	Himanshoo Tiwari, Dr. Indumathi R S, Dr.A.Thangam, Pinky RajnathPrajapati, Dr.A.Maheswari, Dr.C.Jenita Nancy, Mr. Hemraj Sharma, Tephillah S, Ms. Nitu Tank, Dr.D.Balraj, Ms. Priya Swami, Ms. Seema Jain	A NOVEL APPROACH TO DESIGNING ROUTING ALGORITHMS USING GRAPH THEORY	Himanshoo Tiwari, Dr. Indumathi R S, Dr.A.Thangam, Pinky RajnathPrajapati, Dr.A.Maheswari, Dr.C.Jenita Nancy, Mr. Hemraj Sharma, Tephillah S, Ms. Nitu Tank, Dr.D.Balraj, Ms. Priya Swami, Ms. Seema Jain	08-02-2024	16-02-2024	07/2024	Dr.D.Balraj, Assistant Professor, Department of Mathematics, Kongunadu College of Engineering and Technology	https://kongunadu.ac.in/wp-content/uploads/2026/02/202411009043_A-NOVEL-APPROACH-TO-DESIGNING-ROUTING-ALGORITHMS-USING-GRAPH-THEORY.pdf
3	202441094009	Published	K.S.Rangasamy College of Technology	A Sequential Anaerobic-Aerobic Biofilm Reactor System for Effective Treatment of Tannery Wastewater	Dr Ramesh S Dr Mageshkumar P Dr. Vennila G Dr. Ramesh N Dr. Jagadeesan R Dr. Abdulbari J Dr. Karthikeyan G Mr. Prakash P Dr.Prabhu P	30-11-2024	13-12-2024	50/2024	Dr. P. Prabhu Kongunadu College of Engineering and Technology	https://kongunadu.ac.in/wp-content/uploads/2026/02/202441094009_A-Sequential-Anaerobic-Aerobic-Biofilm-Reactor-System-for-Effective-Treatment-of-Tannery-Wastewater.pdf
4	202441089342	Published	Dr.G.Saravanan Dr.M.Murugesan Dr.K.Saravanakumar Shankar Rajukkanu Venkatraman.N Nirmala.S Dr.Kannan Kaliappan P.C.Sivakumar B.Rajesh Kumar T.Ramesh S.Kanagavalli M.Punitha M.Vivekanandhan	IoT Enabled Smart Charging and Battery and Battery Management for Electric Vehicle	Dr.G.Saravanan Dr.M.Murugesan Dr.K.Saravanakumar Shankar Rajukkanu Venkatraman.N Nirmala.S Dr.Kannan Kaliappan P.C.Sivakumar B.Rajesh Kumar T.Ramesh S.Kanagavalli M.Punitha M.Vivekanandhan	18-11-2024	29-11-2024	48/2024	Shankar RajukkannuProfessor &HOD Department:EEE College name:Kongunadu College of Engineering and Technology	https://kongunadu.ac.in/wp-content/uploads/2026/02/202441089342_IOT-ENABLED-SMART-CHARGING-AND-BATTERY-MANAGEMENT-FOR-ELECTRIC-VEHICLE.pdf
5	202441086569	Published	Dr.G.Saravanan T.Sivalingam J.Priyadharshini S.Revathi Dr.S.Ravichandran Dr.S.Selvaganapathi Dr.S.Sengottaian N.Venkatraman M.Inba Arasi M.Padmavathi A.Jainulafdeen S K Deepa	Emergency Shutdown of Wind Turbines under Certain Conditions Affecting Grid using IoT	Dr.G.Saravanan T.Sivalingam J.Priyadharshini S.Revathi Dr.S.Ravichandran Dr.S.Selvaganapathi Dr.S.Sengottaian N.Venkatraman M.Inba Arasi M.Padmavathi A.Jainulafdeen S K Deepa	10-11-2024	15-11-2024	46/2024	S.Revathi, Assistant Professor,Department of Electricaland ElectronicsEngineering,Kongunadu college ofEngineering andTechnology, Thottiam,Trichy-621215	https://kongunadu.ac.in/wp-content/uploads/2026/02/202441086569_EMERGENCY-SHUTDOWN-OF-WIND-TURBINES-UNDER-CERTAIN-CONDITIONS-WITHOUT-AFFECTING-GRID-USING-IOT.pdf
6	202441063037	Published	Dr.G.Saravanan Dr.V.S.arulmurugan Dr.M.Murugesan R.Gopalakrishnan VJ.Vijayalakshmi T.Ramesh M.Inba Arasi S.Suba M.Dinesh R.Aravindh Dr.P.Venkatesan	PV Fed DC Micro Grid System for Integration of PMSM	Dr.G.Saravanan Dr.V.S.arulmurugan Dr.M.Murugesan R.Gopalakrishnan VJ.Vijayalakshmi T.Ramesh M.Inba Arasi S.Suba M.Dinesh R.Aravindh Dr.P.Venkatesan	21-08-2024	30-08-2024	35/2024	R GopalakrishnanAssistant Professor Department of Electrical and Electronics Engineering, Kongunadu College of Engineering India Tamil Nadu Tiruchirappalli,621215	https://kongunadu.ac.in/wp-content/uploads/2026/02/202441063037_PV-FED-DC-MICRO-GRID-SYSTEM-FOR-INTEGRATION-OF-PMSM.pdf

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7	202441001682	Published	Dr. Alam Jahaan Mr Vijay Bhagwat Patare Ratna Kumari Tamma Himanshoo Mishra Sathishkumar J Dr. P. Ramesh Divya J Dr Birendra Kumar Chauhan Saminathan C Dr. Prashant Mundeja Mary Jerald.R C.Suni	Enhancing Just-In-Time Defect Prediction with Graph- Based Machine Learning and Artificial Intelligence	Dr. Alam Jahaan Mr Vijay Bhagwat Patare Ratna Kumari Tamma Himanshoo Mishra Sathishkumar J Dr. P. Ramesh Divya J Dr Birendra Kumar Chauhan Saminathan C Dr. Prashant Mundeja Mary Jerald.R C.Suni	09-01-2024	09-02-2024	06/2024	Sathishkumar J, Assistant Professor/Information Technology, Kongunadu College of Engineering and Technology(Autonomous), Thottiam, Trichy, 621215	https://kongunadu.ac.in/wp-content/uploads/2026/02/202441001682_ENHANCING-JUST-IN-TIME-DEFFECT-PREDICTION-WITH-GRAPH-BASED-MACHINE-LEARNING-AND-ARTIFICIAL-INTELLIGENCE.pdf
8	202441011222	Published	Dr.D.R.P.Rajarithnam Dr. R. Pichailakshmi Dr. K. Akilandeswari Dr. P. Dineshkumar Sankar. A R. Alex Arputhanathan Dr. P. Sameerabanu Dr.K.Indirajith Dr.P.Pugalenth R. Krishva R. Dhivakaran S.Parthiban	Smart Agri Bot for Multi Crop Harvesting	Dr.D.R.P.Rajarithnam Dr. R. Pichailakshmi Dr. K. Akilandeswari Dr. P. Dineshkumar Sankar. A R. Alex Arputhanathan Dr. P. Sameerabanu Dr. P. Indirajith Dr.P.Pugalenth R. Krishva R. Dhivakaran S.Parthiban	18-02-2024	08-03-2024	10/2024	Dr. T. Dineshkumar, Assistant Professor, Agricultural Engineering, Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/02/202441011222_SMART-AGRI-BOT-FOR-MULTI-CROP-HARVESTING.pdf
9	202441019701	Published	Dr. B. Ramesh Dr. Alapati Venkateswarlu Dr. S. Benjamin Franklin Mr. S. A. Muhammed Abraar Dr. P. Elamurugan Dr. S. Saravanakumar Dr. G. R. Gopinath Mrs. M. Pradeepa	An autonomous mobile robot system monitoring emotional and physical health parameters and a method thereof	Dr. B. Ramesh Dr. Alapati Venkateswarlu Dr. S. Benjamin Franklin Mr. S. A. Muhammed Abraar Dr. P. Elamurugan Dr. S. Saravanakumar Dr. G. R. Gopinath Mrs. M. Pradeepa	17-03-2024	29-03-2024	13/2024	Dr. P. Elamurugan, Professor, Biomedical Engineering, Kongunadu College of Engineering and Technology Tiruchirappalli, - 621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/02/202441019701_AN-AUTONOMOUS-MOBILE-ROBOT-SYSTEM-MONITORING-EMOTIONAL-AND-PHYSICAL-HEALTH-PARAMETERS-AND-A-METHOD-THEREOF.pdf
10	202441042464	Published	Dr.M.Vivekanandan, Dr D Jagadeesh Dr.G.Saravanan Dr.K.Periasamy N.Kawin S.Kumaravel S.Mohankumar Ra.Aravind J. Mahendran T.Rajamanikandan	Enhancing solar air heater efficiency through innovative flow distribution techniques utilizing guid	Dr.M.Vivekanandan, Dr D Jagadeesh Dr.G.Saravanan Dr.K.Periasamy N.Kawin S.Kumaravel S.Mohankumar Ra.Aravind J. Mahendran T.Rajamanikandan	31-05-2024	14-06-2024	24/2024	Dr.M.Vivekanandan, Department of Mechanical Engineering, Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/02/202441042464_ENHANCING-SOLAR-AIR-HEATER-EFFICIENCY-THROUGH-INNOVATIVE-FLOW-DISTRIBUTION-TECHNIQUES-UTILIZING-GUID.pdf
11	202441044179	Published	G Ashwin Prabhu V Ravi Raj Dr. P Tharaniya K S Sriram Dr. K Shekar R Karthik Mrs. M Dharani Dr. G M Lionus Leo Vennapusa Venkata Siva Reddy Dr. K P Vasantha Kumar M Aravindan	Development of low cost parallel and counter flowheat exchanger	G Ashwin Prabhu V Ravi Raj Dr. P Tharaniya K S Sriram Dr. K Shekar R Karthik Mrs. M Dharani Dr. G M Lionus Leo Vennapusa Venkata Siva Reddy Dr. K P Vasantha Kumar M Aravindan	07-06-2024	14-06-2024	24/2024	R. Karthik, Kongunadu College of Engineering and Technology Tiruchirappalli, - 621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/02/202441044179_DEVELOPMENT-OF-LOW-COST-PARALLEL-AND-COUNTER-FLOWHEAT-EXCHANGER.pdf
12	202441044697	Published	T.Rajamanikandan P. Arul T.Ashok K. Karthik P.Valarmathi R.Madanachitran V. Srinath K.Bashkaran S. Saranya P.Valakmathi R.Palanikumar C.Gowrishankar	Innovative process for manufacturing banana fiber- based dielectric capacitor	T.Rajamanikandan P. Arul T.Ashok K. Karthik P.Valarmathi R.Madanachitran V. Srinath K.Bashkaran S. Saranya P.Valakmathi R.Palanikumar C.Gowrishankar	10-06-2024	14-06-2024	24/2024	Dr. T. Rajamanikandan, Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/02/202441044697_INNOVATIVE-PROCESS-FOR-MANUFACTURING-BANANA-FIBER-BASED-DIELECTRIC-CAPACITOR.pdf

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13	202441044698	Published	T.Rajamanikandan P. Arul R.Shankar S.Kavipriya R.Saravanan P.Prabhu N.Sridhar S.Satheeshkumar K. Yazhini R.Gopalakrishnan S.Revathy C. P. Niranjana K,M.Swarna Devi	Eco-Friendly Paint and Electrical Insulation Liquid from Lignin and Tannin Extracted from Banana She	T.Rajamanikandan P. Arul R.Shankar S.Kavipriya R.Saravanan P.Prabhu N.Sridhar S.Satheeshkumar K. Yazhini R.Gopalakrishnan S.Revathy C. P. Niranjana K,M.Swarna Devi	10-06-2024	14-06-2024	24/2024	Dr. T. Rajamanikandan, Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/02/202441044698_ECO-FRIENDLY-PAINT-AND-ELECTRICAL-INSULATION-LIQUID-FROM-LIGNIN-AND-TANNIN-EXTRACTED-FROM-BANANA-SHE.pdf
14	202441044709	Published	T.Rajamanikandan J.Yogapriya C.Saravanabhavan S.Dhanabal M.Arivukarasl P.Preethi C.Radhakrishnan K.Karthick R.Premkumar P.Valarmathi P.Tamilnesan K.Lalitha N.Sarmiladevi	Artificial intelligence-based angle changing parabolic solar dryer with automatic sun tracking, clima	T.Rajamanikandan J.Yogapriya C.Saravanabhavan S.Dhanabal M.Arivukarasl P.Preethi C.Radhakrishnan K.Karthick R.Premkumar P.Valarmathi P.Tamilnesan K.Lalitha N.Sarmiladevi	10-06-2024	14-06-2024	24/2024	Dr. T. Rajamanikandan, Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/02/202441044709_ARTIFICIAL-INTELLIGENCE-BASED-ANGLE-CHANGING-PARABOLIC-SOLAR-DRYER-WITH-AUTOMATIC-SUN-TRACKING-CLIMA.pdf
15	202441044712	Published	Dr.R.Asokan T.Rajamanikandan Dr. Arul Dr. T.Sengolrajan K.Kumar M. Geethalakshmi S.Lalitha T. Dineshkumar S.Harikumar Mrs.Y.Vahidhabanu R.Manikandan R.Deepika	Method for producing electronic circuit dot boards from banana tree residues	Dr.R.Asokan T.Rajamanikandan Dr. Arul Dr. T.Sengolrajan K.Kumar M. Geethalakshmi S.Lalitha T. Dineshkumar S.Harikumar Mrs.Y.Vahidhabanu R.Manikandan R.Deepika	10-06-2024	14-06-2024	24/2024	Dr. R. Asokan, Kongunadu College of Engineering and Technology Tiruchirappalli, - 621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/02/202441044712_METHOD-FOR-PRODUCING-ELECTRONIC-CIRCUIT-DOT-BOARDS-FROM-BANANA-TREE-RESIDUES.pdf
16	202441002418	Published	Mr. NarenderChinthamu, Ms. M. Suganthi, Dr. Darshan Ashokingle, Dr. S. Tamil Selvan, Dr. T. Sounderrajan, Mr. Anoushka Prabhu, Dr. V.Rajakumareswaran, Dr. L. Rajeshkumar	FOREIGN OBJECT DETECTION IN AN IMAGE ANALYSIS	Mr. NarenderChinthamu, Ms. M. Suganthi, Dr. Darshan Ashokingle, Dr. S. Tamil Selvan, Dr. T. Sounderrajan, Mr. Anoushka Prabhu, Dr. V.Rajakumareswaran, Dr. L. Rajeshkumar	12-01-2024	09-02-2024	06/2024	M. Suganthi, Kongunadu College of Engineering and Technology Tiruchirappalli, - 621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/02/202441002418_FOREIGN-OBJECT-DETECTION-IN-AN-IMAGE-ANALYSIS.pdf
17	202441006259	Published	Dr. J Lenin, Veeresh Biradar, Anjan Kumar ReddyAyyadapu, Pravesh, Prof. Shilpa Sachin Bhojne, Jeyarani R, L. Panneer Dhas, Neerav Nishant, M. Sakthivel, Dr.D. Balraj, Dr.E.S. Shamila, Dr. Deshmukh NarendraPandurang	SECURING CLOUD DATA WITH A HYBRID APPROACH: MACHINE LEARNING AND CRYPTOSYSTEMS	Dr. J Lenin, Veeresh Biradar, Anjan Kumar ReddyAyyadapu, Pravesh, Prof. Shilpa Sachin Bhojne, Jeyarani R, L. Panneer Dhas, Neerav Nishant, M. Sakthivel, Dr.D. Balraj, Dr.E.S. Shamila, Dr. Deshmukh NarendraPandurang	31-01-2024	09-02-2024	06/2024	Dr.D. Balraj, Kongunadu College of Engineering and Technology Tiruchirappalli, - 621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/02/202441006259_SECURING-CLOUD-DATA-WITH-A-HYBRID-APPROACH-MACHINE-LEARNING-AND-CRYPTOSYSTEMS.pdf
18	202441079455	Published	Dr.G.Saravanan, Dr.V.S.Arulmurugan, Dr.M.Murugesan, R Gopalakrishnan, VJ Vijayalakshmi, T Ramesh, S Suba, R Aravindh, Dr.P.Venkatesan, M Dinesh	PV fed DC Micro Grid System for Integration of PMSM	Dr.G.Saravanan, Dr.V.S.Arulmurugan, Dr.M.Murugesan, R Gopalakrishnan, VJ Vijayalakshmi, T Ramesh, S Suba, R Aravindh, Dr.P.Venkatesan, M Dinesh	18-10-2024	25-10-2024	43/2024	R Gopalakrishnan, Kongunadu College of Engineering and Technology Tiruchirappalli, - 621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/02/202441079455_R-Gopalakrishnan_PV-fed-DC-Micro-Grid-System-for-Integration-of-PMSM.pdf
19	202441087394	Published	Dr. K. Jayaram, Dr. S. Kumarganesh, P. Rishabavarthani, Dr. P. Elayaraja, Dr. M. Balamurugan, G Manoj Kumar, K Vikesh, S Vasikaran, Dr. V. Kamatchi Kannan	REVOLUTIONIZING AGRICULTURE WITH IOT BASED SMART GREEN HOUSES	Dr. K. Jayaram, Dr. S. Kumarganesh, P. Rishabavarthani, Dr. P. Elayaraja, Dr. M. Balamurugan, G Manoj Kumar, K Vikesh, S Vasikaran, Dr. V. Kamatchi Kannan	13-11-2024	22-11-2024	47/2024	Dr. P. Elayaraja, Kongunadu College of Engineering and Technology Tiruchirappalli, - 621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/02/202441087394_REVOLUTIONIZING-AGRICULTURE-WITH-IOT-BASED-SMART-GREEN-HOUSES.pdf

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20	202341081087	Granted	Dr. Kannagi Anbazhagan Prof. Seema Babusing Rathod Dr. Keyurkumar Patel Dr. Sasikumar P Dr. Kavitha. R Dr. Velmurugan Pavanan Dr. Yogita Manish Patil Dr. Revathi T Dr. D. Preethi M. Vanitha Dr. K. Krishnaveni Mr. Karthikeyan M P Dr. Gnanaprakasam Thangavel	Smart Inhaler With Real - Time Inhalation Pattern Analysis and Method Thereof	Dr. Kannagi Anbazhagan Prof. Seema Babusing Rathod Dr. Keyurkumar Patel Dr. Sasikumar P Dr. Kavitha. R Dr. Velmurugan Pavanan Dr. Yogita Manish Patil Dr. Revathi T Dr. D. Preethi M. Vanitha Dr. K. Krishnaveni Mr. Karthikeyan M P Dr. Gnanaprakasam Thangavel	29-11-2023	13-09-2024	549990	M. Vanitha, Assistant Professor, Artificial Intelligence and Data Science, Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/07/2024_549990_202341081087.pdf
21	202321015475	Published	Priyank Udaybhai Trivedi Anubhav Rai Ritu Mewade Dr. J.K.Kanimozhi N Jean Effil SATHISHKUMAR J Subasish Mohapatra Shanmuganathan V Subhadarshini Mohanty Kumar Abhishek Sachin Babu Kambli Dr prashant Digambar Hakim	ADAPTIVE TRAFFIC-MANAGEMENT SYSTEM FOR SMART CITIES BASED ON MACHINE LEARNING AND IOT	Priyank Udaybhai Trivedi Anubhav Rai Ritu Mewade Dr. J.K.Kanimozhi N Jean Effil SATHISHKUMAR J Subasish Mohapatra Shanmuganathan V Subhadarshini Mohanty Kumar Abhishek Sachin Babu Kambli Dr prashant Digambar Hakim	08-03-2023	24-03-2023	12/2023	Sathishkumar J, Assistant Professor, Information Technology, Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/03/1-ADAPTIVE-TRAFFIC-MANAGEMENT-SYSTEM-FOR-SMART-CITIES-BASED-ON-MACHINE-LEARNING-AND-IOT202321015475.pdf
22	202321042248	Published	Dr.Vivek Deshpande Ramprakash Singaravel Dr. Subha Ravindran Dr.Durairasan Mani Dr.Trapty Agarwal Ambika Aggarwal Dr. Debanjana Prasad Dr.Awakash Mishra Dr.Rajendra Motiramji Rewatkar Dr. Hena Iqbal Kumari Pragya Prayesi Dr. Karamath Ateeq Ms. Jankhana Baraiya Kajal Samantara Mrs.Sangeetha Subramaniam	IOT BASED GREENHOUSE HYDROPONICS SYSTEM FOR SPEED GERMINATION OF ECHINACEA PURPUREA SEED	Dr.Vivek Deshpande Ramprakash Singaravel Dr. Subha Ravindran Dr.Durairasan Mani Dr.Trapty Agarwal Ambika Aggarwal Dr. Debanjana Prasad Dr.Awakash Mishra Dr.Rajendra Motiramji Rewatkar Dr. Hena Iqbal Kumari Pragya Prayesi Dr. Karamath Ateeq Ms. Jankhana Baraiya Kajal Samantara Mrs.Sangeetha Subramaniam	23-06-2023	08-09-2023	36 /2023	Sangeetha Subramaniam, Assistant Professor, Information Technology, Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/03/2.IOT-BASED-GREENHOUSE-HYDROPONICS-SYSTEM-FOR-SPEED-GERMINATION-OF-ECHINACEA-PURPUREA-SEED202321042248.pdf
23	202321048936	Published	Dr. Nirbhay Kumar Chaubey Dr. Abdul Salam Mohammed Dr. Sasikumar Periyasamy Dr. Deewakar Baral Mrs.Sangeetha Subramaniam Dr.Ankita Awasthi Dr.Vanya Arun Dr.Pankaj Jayantilal Gandhi Dr. Ankit Oza Mr. Brij Mohan Goyal Mohd Habeeb Ahmad Dr. Karamath Ateeq Rekha Rani Dr.Ashok Kumar Koshariya Dr.Shanti Verma Dr.Ramesh Chandra Panda	NOVEL IOT BASED PHARMACEUTICAL LAMINAR FLOW DIGITAL INFORMATION WORKSTATION	Dr. Nirbhay Kumar Chaubey Dr. Abdul Salam Mohammed Dr. Sasikumar Periyasamy Dr. Deewakar Baral Mrs.Sangeetha Subramaniam Dr.Ankita Awasthi Dr.Vanya Arun Dr.Pankaj Jayantilal Gandhi Dr. Ankit Oza Mr. Brij Mohan Goyal Mohd Habeeb Ahmad Dr. Karamath Ateeq Rekha Rani Dr.Ashok Kumar Koshariya Dr.Shanti Verma Dr.Ramesh Chandra Panda	20-07-2023	13-10-2023	41/2023	Sangeetha Subramaniam, Assistant Professor, Information Technology, Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/03/3.-NOVEL-IOT-BASED-PHARMACEUTICAL-LAMINAR-FLOW-DIGITAL-INFORMATION-WORKSTATION202321048936.pdf
24	202321054868	Published	Seema Babusing Rathod Bhavana Kaushik Dr. Tapsi Nagpal Suraj Rameshsinh Pardeshi Vikul Jagansinh Pawar Dr. Smita Chavan Dr. Aruna Pavate Sangeetha Subramaniam Dr. Sathya Ramasamy Rekha Rani Dr. Rupali Atul Mahajan Dr. Parikshit N. Mahalle	ORAL CANCER DETECTION MODEL USING DEEP LEARNING	Seema Babusing Rathod Bhavana Kaushik Dr. Tapsi Nagpal Suraj Rameshsinh Pardeshi Vikul Jagansinh Pawar Dr. Smita Chavan Dr. Aruna Pavate Sangeetha Subramaniam Dr. Sathya Ramasamy Rekha Rani Dr. Rupali Atul Mahajan Dr. Parikshit N. Mahalle	16-08-2023	06-10-2023	40/2023	Sangeetha Subramaniam, Assistant Professor, Information Technology, Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/03/4.ORAL-CANCER-DETECTION-MODEL-USING-DEEP-LEARNING202321054868.pdf

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Discipline Name applied for NIRF2026 Ranking: e.g. IR_INNOVATION								Institute ID: IR-I-C-24986		
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)			
18	15	19	0	6	1	52	7			
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 Appication)	Here, attach Source Proof Screenshots/URL/ Website Links, etc.
25	202341001033	Published	SIVAKUMAR M D R K SAIKANTH AR ASHWANI KUMAR RAWAT Dr. DEEPAK ANNASAHAB VIDHATE JYOTIRMAYEE RAUTARAY Dr. BHUPENDRA KUMAR Dr. ASHISH LALITKUMAR SARDA GANESHA M Dr. VIJAY KUMAR SALVIA MOHD ASIF SHAH SAURABH SHARMA Dr.A.SASI KUMAR	IMPLEMENTATION OF ARTIFICIAL INTELLIGENCE AND IOT BASED TECHNOLOGIES FOR SUSTAINABLE FARMING AND SMART AGRICULTURE	SIVAKUMAR M D R K SAIKANTH AR ASHWANI KUMAR RAWAT Dr. DEEPAK ANNASAHAB VIDHATE JYOTIRMAYEE RAUTARAY Dr. BHUPENDRA KUMAR Dr. ASHISH LALITKUMAR SARDA GANESHA M Dr. VIJAY KUMAR SALVIA MOHD ASIF SHAH SAURABH SHARMA Dr.A.SASI KUMAR	05-01-2023	20-01-2023	03/2023	SIVAKUMAR M, Assistant Professor, Artificial Intelligence & Data Science, Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/03/5.-IMPLEMENTATION-OF-ARTIFICIAL-INTELLIGENCE-AND-IOT-BASED-TECHNOLOGIES-FOR-SUSTAINABLE-FARMING-AND-SMART-AGRICULTU202341001033.pdf
26	202341005730	Published	Mr. G. AshwinPrabhu Dr. N. Karunagaran Mr. A. Sam Daniel Fenny Mr. G.Selvakumar Dr. R. Selvam Dr. K. M. Kumar Mr. M. Siva Mr. K. Balamanikandasuthan Mr. K. Kalaiselvan Dr.M.Venkatesan	Designing Wind Turbines based on Future emerging technologies in the wind power sector	K. Balaji	29-01-2023	03-02-2023	05/2023	G. Selvakumar, Assistant Professor, Mechanical Engineering, Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/03/6.Designing-Wind-Turbines-based-on-Future-emerging-technologies-in-the-wind-power-sector-202341005730.pdf
27	202341010839	Published	Dr. T. PRABAKARAN Dr. A. KUMARAVADIVEL Dr. K. ELANGOVAN Dr. K. PERIASAMY Dr. G. MAHADEVAN Dr. B. GOBALAKRISHNAN	CAR BACK SEAT FOLDED TRUNK TRAY	Dr. T. PRABAKARAN Dr. A. KUMARAVADIVEL Dr. K. ELANGOVAN Dr. K. PERIASAMY Dr. G. MAHADEVAN Dr. B. GOBALAKRISHNAN	17-02-2023	24-03-2023	12/2023	Dr. K. Periasamy, Professor, Mechanical Engineering, Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/03/7.-CAR-BACK-SEAT-FOLDED-TRUNK-TRAY-202341010839.pdf
28	202341035225	Published	Dr. Dheeraj Hebri Vasudeva Rao A Ms. D. Meenakshi Dr. B. Selvalakshmi Dr. B. Umarani Dr. M Jogendra Kumar	A CONTENT RATING METHOD FOR CLOUD-BASED CONTENT DISTRIBUTION NETWORKS BASED ON THE WEIGHTED SLOPE ONE SCHEM	Dr. Dheeraj Hebri Vasudeva Rao A Ms. D. Meenakshi Dr. B. Selvalakshmi Dr. B. Umarani Dr. M Jogendra Kumar	19-05-2023	01-09-2023	35/2023	Dr. B. Umarani, Professor, Electronics and Communication Engineering, Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/03/8.-A-CONTENT-RATING-METHOD-FOR-CLOUD-BASED-CONTENT-DISTRIBUTION-NETWORKS-BASED-ON-THE-WEIGHTED-SLOPE-ONE-SCHEM202341035225.pdf
29	202341042724	Published	T.Rajamanikandan Dr.J.Yogapriya Mr.N.Premkumar Dr.T.Muthumanickam Dr.P.Preethi Dr.R.Sathya C.Radhakrishnan K.Karthick	DESIGN AND DEVELOPMENT OF AN ARTIFICIAL INTELLIGENT BASED AUTOMATIC BABY CRADLE WITH INCUBATOR AND C	T.Rajamanikandan	26-06-2023	15-09-2023	37/2023	T. Rajamanikandan, Assistant Professor, Electrical and Electronics Engineering, Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/03/9.-DESIGN-AND-DEVELOPMENT-OF-AN-ARTIFICIAL-INTELLIGENT-BASED-AUTOMATIC-BABY-CRADLE-WITH-INCUBATOR-AND-C202341042724.pdf
30	202341043318	Published	T.Rajamanikandan Dr.R.Asokan Dr.V.Gopinath T.Ashok Dr.A.Sampath Mr. N. Jayapal S.Satheeshkumar S.Kumaravel M.Dhineshkumar S.Charndrakumar	MANUAL SEEDER MACHINE WITH DIGITAL COUNTER	T.Rajamanikandan	28-06-2023	15-09-2023	37/2023	T. Rajamanikandan, Assistant Professor, Electrical and Electronics Engineering, Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/03/10.-MANUAL-SEEDER-MACHINE-WITH-DIGITAL-COUNTER-202341043318.pdf
31	202341043400	Published	T.Rajamanikandan Dr.P.Arul Dr.R.Shankar Dr.T.Sengolrajan Dr. N.Sridhar K.Karthik P.Tamilnesan S.Revathi R.Manikandan M.P.Iniya M.P.Indhu	DEVELOPMENT OF ELECTRICITY STORAGE DEVICE USING CLAY SOIL AND QUARTZ CRYSTAL	T.Rajamanikandan	28-06-2023	15-09-2023	37/2023	T. Rajamanikandan, Assistant Professor, Electrical and Electronics Engineering, Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/03/11.-DEVELOPMENT-OF-ELECTRICITY-STORAGE-DEVICE-USING-CLAY-SOIL-AND-QUARTZ-CRYSTAL-202341043400.pdf

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Discipline Name applied for NIRF2026 Ranking: e.g. IR_INNOVATION								Institute ID: IR-I-C-24986		
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)			
18	15	19	0	6	1	52	7			
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 Appication)	Here, attach Source Proof Screenshots/URL/ Website Links, etc.
32	202341043928	Published	T.Rajamanikandan Dr.R.Asokan Dr.M.Dharmalingam Dr.K.Amudha Dr.P.Elayaraja Dr.T.Yuvaraja Dr.M.Paranthaman Dr.V.Bharathi T.Meenal T.Beni Steena V.Krishnakumar S.Sarathkumar	DESIGN AND DEVELOPMENT OF A GEL BASED ELECTROLYTIC BATTERY FROM TAMARIND FRUIT	T.Rajamanikandan	30-06-2023	22-09-2023	38/2023	T. Rajamanikandan, Assistant Professor, Electrical and Electronics Engineering, Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/03/12.DESIGN-AND-DEVELOPMENT-OF-A-GEL-BASED-ELECTROLYTIC-BATTERY-FROM-TAMARIND-FRUIT-202341043928.pdf
33	202341044293	Published	Mr.N.Karthikeyan Mr.K. Arulvendhan Dr. S. Mahendran Dr.S.Saravanan Mr.P.Rajasekar Dr.B.Umarani	THREE-PHASE BIDIRECTIONAL METER INTERCONNECTED TO A GRID WITH MONITORING OF GENERATION OF ELECTRICAL ENERGY FRO PANEL-MICROINVERTER	Mr.N.Karthikeyan Mr.K. Arulvendhan Dr. S. Mahendran Dr.S.Saravanan Mr.P.Rajasekar Dr.B.Umarani	02-07-2023	01-09-2023	35/ 2023	Dr. B. Umarani, Professor, Electronics and Communication Engineering, Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/03/13.THREE-PHASE-BIDIRECTIONAL-METER-INTERCONNECTED-TO-A-GRID-WITH-MONITORING-OF-GENERATION-OF-ELECTRICAL-ENERGY-FROPANEL-MICROINVERTER-202341044293.pdf
34	202341052121	Published	Dr.M.Sivaraja Dr. P. Prabhu Pallavi HJ Dr.M.Veerapathran J.Rajprasad Dr. A.Karthik Dr.P.Prasath	Effect of coarse aggregate, marble, granite cutting waste, metakaolin and admixtures on mechanical performance of concrete	Dr.M.Sivaraja Dr. P. Prabhu Pallavi HJ Dr.M.Veerapathran J.Rajprasad Dr. A.Karthik Dr.P.Prasath	03-08-2023	01-09-2023	35/ 2023	Dr. P. Prabhu, Associate Professor, Civil Engineering, Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/03/14.-Effect-of-coarse-aggregate-marble-granite-cutting-waste-metakaolin-and-admixtures-on-mechanical-performance-of-concrete202341052121.pdf
35	202341067237	Published	Dr. P. Shyamala Anto Mary Dr. K.Deiwakumari Dr. G. Kavitha Dr. P. Thangavel Dr. K. Balasubramanian Pitchaimani.T Mr.T.Udhayakumar Ms.Kanakaprabha. S Dr.G.Ganesh Kumar Dr. Hari Kumar Pallathadka	LABELING TECHNIQUES IN FAULT-TOLERANT COMPUTING SYSTEMS: THEORETICAL FOUNDATIONS AND APPLICATIONS	Dr. P. Shyamala Anto Mary Dr. K.Deiwakumari Dr. G. Kavitha Dr. P. Thangavel Dr. K. Balasubramanian Pitchaimani.T Mr.T.Udhayakumar Ms.Kanakaprabha. S Dr.G.Ganesh Kumar Dr. Hari Kumar Pallathadka	06-10-2023	24-11-2023	47/ 2023	Dr. K. Balasubramanian, Professor, Science and Humanities, Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/03/15-LABELING-TECHNIQUES-IN-FAULT-TOLERANT-COMPUTING-SYSTEMS-THEORETICAL-FOUNDATIONS-AND-APPLICATIONS-202341067237.pdf
36	201641032301	Granted	T. RAJAMANIKANDAN	PLUG OUTABLE CYLINDRICAL SHAPED ROTARY SWITCH BOARD (PCRSB)	T. RAJAMANIKANDAN	22-09-2016	14-07-2023	438875	T. Rajamanikandan, Assistant Professor, Electrical and Electronics Engineering, Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/07/2023_438875_201641032301.pdf
37	201741041093	Granted	T.RAJAMANIKANDAN	ECO FRIENDLY ENERGY EFFICIENT VACUUM LIGHT SWITCH	T.RAJAMANIKANDAN	17-11-2017	06-12-2023	478030	T. Rajamanikandan, Assistant Professor, Electrical and Electronics Engineering, Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/07/2023_478030_201741041093.pdf
38	201841005897	Granted	Indian Council of Agricultural Research (ICAR)	PORTABLE AND DISMANTABLE CHANNEL CONVEYOR FOR FIELD TRANSPORTATION OF BANANA	Indian Council of Agricultural Research (ICAR)	15-02-2018	18-12-2023	484713	Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/07/2023_484713_201841005897.pdf
39	201841025030	Granted	T.Rajamanikandan	ELECTRO-HYDRAULIC COMPRESSION BASED PSEUDO STEM JUICER	T.Rajamanikandan	05-07-2018	28-07-2023	441038	Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/07/2023_441038_201841025030.pdf
40	201841025031	Granted	T.Rajamanikandan	ELONGATED HEXAGONAL PYRAMID SHAPED PORTABLE SOLAR DRYER	T.Rajamanikandan	05-07-2018	16-02-2023	421954	Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/07/2023_421954_201841025031.pdf
41	202141053632	Granted	Dr. M. VIVEKANANDAN Dr. R. ASOKAN Dr. D. JAGADEESH DR. G. SARAVANAN DR. K. PERIASAMY N. SIVASHANKAR	IMPROVED, LOW PRESSURE DROP WET SCRUBBER FOR CLEANING POLLUTED FLUE GAS	Dr. M. VIVEKANANDAN Dr. R. ASOKAN Dr. D. JAGADEESH DR. G. SARAVANAN DR. K. PERIASAMY N. SIVASHANKAR	22-11-2021	14-11-2023	468858	Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	https://kongunadu.ac.in/wp-content/uploads/2026/07/2023_468858_202141053632.pdf

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Discipline Name applied for NIRF2026 Ranking: e.g. IR_INNOVATION								Institute ID: IR-I-C-24986		
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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.
42	202241026622	Published	T.Rajamanikandan R.Asokan P.Arul R.Shankar T.Sengolrajan R. Gopalakrishnan P.Tamilnesan K.S.Vignseh	DESIGN AND DEVELOPMENT OF AN INTELLIGENT WILD ANIMAL DRIVE BACK SYSTEM FOR CROP PROTECTION BASED ON ARTIFICIAL IN AND DEEP NEURAL NETWORK	Kongunadu College of Engineering and Technology	09-05-2022	20-05-2022	20/2022	Kongunadu College of Engineering and Technology	https://kongunadu.ac.in/wp-content/uploads/2026/03/202241026622.pdf
43	202211016037	Published	DR. DHARMENDRA KUMAR DR. KULDEEP AGNIHOTRI MOUNICA P DR.HEMADRI NAIDU T REVATHI T DR M V V BHANU SHILPA SACHIN BHOJNE RAKESH S PROFESSOR (DR.) NITIN GIRDHARWAL MR. K. GANGADHARA CHARY DR. S. RAMESH VIJAYAKUMAR R	DEEP LEARNING TECHNIQUES TO IDENTIFY PRIME FACTORS FOR HANDLING STRATEGIC AND CRISIS MANAGEMENT	DR. DHARMENDRA KUMAR DR. KULDEEP AGNIHOTRI MOUNICA P DR.HEMADRI NAIDU T REVATHI T DR M V V BHANU SHILPA SACHIN BHOJNE RAKESH S PROFESSOR (DR.) NITIN GIRDHARWAL MR. K. GANGADHARA CHARY DR. S. RAMESH VIJAYAKUMAR R	22-03-2022	08-04-2022	14/2022	MOUNICA P, Kongunadu College of Engineering and Technology	https://kongunadu.ac.in/wp-content/uploads/2026/03/202211016037.pdf
44	202221062975	Published	Dr. Varsha Agarwal Poonam Saini Dr.T.P.Rani Karthikeyan N Dr.S.Sekar Dr. Dinesh Kumar Dr. G Saravana Kumar Dr. PARITA JAIN	REVISITING DIGITAL TRANSFORMATION IN INDIA'S BANKING SECTOR	Dr. Varsha Agarwal Poonam Saini Dr.T.P.Rani Karthikeyan N Dr.S.Sekar Dr. Dinesh Kumar Dr. G Saravana Kumar Dr. PARITA JAIN	04-11-2022	11-11-2022	45/2022	Karthikeyan N, Kongunadu College of Engineering and Technology	https://kongunadu.ac.in/wp-content/uploads/2026/03/202221062975.pdf
45	202241005541	Published	Dr.R.Asokan Dr.J.Yogapriya Dr.M.Dharmalingam Dr.R.Shankar Dr.B.Umarani Dr.T.Sengolrajan Dr.T.Yuvaraja Mrs.T.Meenal Mr. R. Gopalakrishnan Mr.S.Ragul	CELLULAR IOT IRRIGATION SYSTEM USING MACHINE LEARNING ALGORITHMS AND NORDIC	Dr.R.Asokan Dr.J.Yogapriya Dr.M.Dharmalingam Dr.R.Shankar Dr.B.Umarani Dr.T.Sengolrajan Dr.T.Yuvaraja Mrs.T.Meenal Mr. R. Gopalakrishnan Mr.S.Ragul	02-02-2022	11-02-2022	06/2022	Kongunadu College of Engineering and Technology	https://kongunadu.ac.in/wp-content/uploads/2026/03/202241005541.pdf
46	202241006370	Published	Dr.K.Muthumanickam Mr.N.Premkumar Mr.R.Palani Kumar Mr.G.Karthik Mr.J.Sathishkumar Mr.P.Dineshkumar Mr.S.Simon Thomas Mrs.B.Ananthi	An Intelligent Neck Wearable Device for women safety using Deep Neural Network	Dr.K.Muthumanickam Mr.N.Premkumar Mr.R.Palani Kumar Mr.G.Karthik Mr.J.Sathishkumar Mr.P.Dineshkumar Mr.S.Simon Thomas Mrs.B.Ananthi	07-02-2022	11-02-2022	06/2022	Kongunadu College of Engineering and Technology	https://kongunadu.ac.in/wp-content/uploads/2026/03/202241006370.pdf
47	202241006633	Published	Dr.J.Yogapriya Dr.M.Dharmalingam Dr.C.Saravanabhavan T.Ashok Dr. K. Amudha Dr.B.Umarani Dr. P. Elayaraja Dr.T.Yuvaraja Mr.A.Sampath R.Krishna Prakash M.Manthiralakshmanan B.Subhashini	ANALYZING HUMAN PROTEIN ATLAS FOR SINGLE CELL CLASSIFICATION USING RCNN	Dr.J.Yogapriya Dr.M.Dharmalingam Dr.C.Saravanabhavan T.Ashok Dr. K. Amudha Dr.B.Umarani Dr. P. Elayaraja Dr.T.Yuvaraja Mr.A.Sampath R.Krishna Prakash M.Manthiralakshmanan B.Subhashini	08-02-2022	25-02-2022	08/2022	Kongunadu College of Engineering and Technology	https://kongunadu.ac.in/wp-content/uploads/2026/03/202241006633.pdf

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Discipline Name applied for NIRF2026 Ranking: e.g. IR_INNOVATION								Institute ID: IR-I-C-24986		
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)			
18	15	19	0	6	1	52	7			
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 Appication)	Here, attach Source Proof Screenshots/URL/ Website Links, etc.
48	202241023064	Published	DR NARAHARI DUDI DR. B PRIYANKA ANNAPURNA MISHRA PRADIPTA KUMAR JENA LT.DR.D.ANTONY ARUL RAJ DR.D.SEETHALAKSHMI PRABUDDHA GIRI B RUPA DEVI KARTHIKEYAN B DR. V. NIRMALA DR. VIKAS TRIPATHI SATHISHKUMAR J	DEEP LEARNING APPROACH TO PROVIDE A VULNERABLE FRAMEWORK FOR SAFEGUARDING THE DATA'S THAT ARE TRANSFERRED OVER ALONG WITH CYBER SECURITY	DR NARAHARI DUDI DR. B PRIYANKA ANNAPURNA MISHRA PRADIPTA KUMAR JENA LT.DR.D.ANTONY ARUL RAJ DR.D.SEETHALAKSHMI PRABUDDHA GIRI B RUPA DEVI KARTHIKEYAN B DR. V. NIRMALA DR. VIKAS TRIPATHI SATHISHKUMAR J	19-04-2022	13-05-2022	19/2022	Kongunadu College of Engineering and Technology	https://kongunadu.ac.in/wp-content/uploads/2026/03/202241023064.pdf
49	202241026586	Published	Dr.K.Tamilarasi Dr.M.Dharmalingam M.Ramya Dr.J.Chandramohan A.Parimala Dr.N.Nandhagopal Dr.V.Nivedita	PERFORMANCE AND ACCURACY ANALYSIS OF SIGNATURE VERIFICATION USING INTEGER WAVELET TRANSFORM AND BACK PROPAGATI NETWORK	Dr.K.Tamilarasi Dr.M.Dharmalingam M.Ramya Dr.J.Chandramohan A.Parimala Dr.N.Nandhagopal Dr.V.Nivedita	08-05-2022	20-05-2022	20/2022	Kongunadu College of Engineering and Technology	https://kongunadu.ac.in/wp-content/uploads/2026/03/202241026586.pdf
50	202241030743	Published	Dr. R. Senthilkumar Dr. D. Ramesh Kumar B. Sekar Dr.P.Swaminathan Dr.S.Kavipriya Prof. M. Dhivakar Karthick	Safety management system for construction site workers	Dr. R. Senthilkumar Dr. D. Ramesh Kumar B. Sekar Dr.P.Swaminathan Dr.S.Kavipriya Prof. M. Dhivakar Karthick	29-05-2022	17-06-2022	24/2022	Kongunadu College of Engineering and Technology	https://kongunadu.ac.in/wp-content/uploads/2026/03/202241030743.pdf
51	202241041142	Published	N. PADMAVATHI Dr. VISHAL RATANSING PATIL Dr. K. KISHORE ANTHUVAN SAHAYARAJ N. SARMILADEVI Dr. S. BRINDHA Dr. SHESHANG DEGADWALA RASMI. A P. SHERUBHA	IOT SMART INTELLIGENCE CHAT BOT ON SURGERY ASSISTANCE AND REFERENCE TO IMPROVE HOSPITAL SAFETY MANAGEMENT SYSTEM	N. PADMAVATHI Dr. VISHAL RATANSING PATIL Dr. K. KISHORE ANTHUVAN SAHAYARAJ N. SARMILADEVI Dr. S. BRINDHA Dr. SHESHANG DEGADWALA RASMI. A P. SHERUBHA	19-07-2022	22-07-2022	29/2022	Kongunadu College of Engineering and Technology	https://kongunadu.ac.in/wp-content/uploads/2026/03/202241041142.pdf
52	202241050701	Published	Mrs.Prathibha Kiran Mr. V L N Phani Ponnappalli Mr. G Sekhar Reddy Dr.K.Baskar Dr. Ravindra N. Jogekar Mr. Vijayabhaskar V Dr. V. Mohanavel	A META-SURFACE ANTENNA WITH IOT CONFIGURED ARTIFICIAL NEURAL NETWORK SYSTEM	Mrs.Prathibha Kiran Mr. V L N Phani Ponnappalli Mr. G Sekhar Reddy Dr.K.Baskar Dr. Ravindra N. Jogekar Mr. Vijayabhaskar V Dr. V. Mohanavel	05-09-2022	16-09-2022	37/2022	Kongunadu College of Engineering and Technology	https://kongunadu.ac.in/wp-content/uploads/2026/03/202241050701.pdf

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Discipline Name applied for NIRF2026 Ranking: e.g. IR_INNOVATION								Institute ID: IR-I-C-24986		
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18	15	19	0	6	1	52	7			
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 Appication)	Here, attach Source Proof Screenshots/URL/ Website Links, etc.
53	202241055795	Published	Dr. B Uma Maheswari Dr.Gandi Satyanarayana Alabazar Ramesh S Sandeep Kumar S.Sangeetha Dr. Jayapandian N Dr. V. Mohanavel	A CONVOLUTIONAL NEURAL NETWORK SYSTEM FOR BEHAVIOURAL STATE CLASSIFICATION BETWEEN TWO SPECIES	Dr. B Uma Maheswari Dr.Gandi Satyanarayana Alabazar Ramesh S Sandeep Kumar S.Sangeetha Dr. Jayapandian N Dr. V. Mohanavel	28-09-2022	14-10-2022	41/2022	Kongunadu College of Engineering and Technology	https://kongunadu.ac.in/wp-content/uploads/2026/03/202241055795.pdf
54	202241056474	Published	K SHILPA POOJA CHAVAN Dr R SARAVANAN JALLA JYOTHSNA M. JAYANTHI Dr. SAMAIYA NITIN KUMAR K.V.DAYA SAGAR Dr.S.ROBERT RAVI Dr M JOHN BASHA NISHANT ANANTRAO UPADHYE Dr T V JANARDHANA RAO T.KALAI SELVI	DESIGNING A FRAMEWORK OF CONSTRUCTION TECHNIQUES WITH SMART DEVICES INTEGRATED WITH INTERNET OF THINGS	K SHILPA POOJA CHAVAN Dr R SARAVANAN JALLA JYOTHSNA M. JAYANTHI Dr. SAMAIYA NITIN KUMAR K.V.DAYA SAGAR Dr.S.ROBERT RAVI Dr M JOHN BASHA NISHANT ANANTRAO UPADHYE Dr T V JANARDHANA RAO T.KALAI SELVI	01-10-2022	21-10-2022	42/2022	Kongunadu College of Engineering and Technology	https://kongunadu.ac.in/wp-content/uploads/2026/03/202241056474.pdf
55	202241057800	Published	J.Phani krishna Dr.Ashok kumarkatta Dr.D.Jagadeesh C.Bala krishnan S.Pravin Dr.G.Saravanan Dr.K.Periasamy N.Kawin R.Karthik	An Optimal Sorbent Injection Lance With Multiple Arms to Evenly distribute (Mixing) the particles AC	Dr.M.Vivekanandan	10-10-2022	21-10-2022	42/2022	Kongunadu College of Engineering and Technology	https://kongunadu.ac.in/wp-content/uploads/2026/03/202241057800.pdf
56	202241057804	Published	J.Phani krishna, Dr.Ashok kumarkatta Dr.D.Jagadeesh J.Aravindhan B.Danushkumar Dr.G.Saravanan Dr.K.Periasamy S.Kumaravel S.Chandrakumar	CONCENTRIC CONICAL LOADING TEE PNEUMATIC FEEDER TO HANDLE MOISTURE AND DRY POWERS FOR LONG DISTANCE	Dr.M.Vivekanandan	10-10-2022	21-10-2022	42/2022	Kongunadu College of Engineering and Technology	https://kongunadu.ac.in/wp-content/uploads/2026/03/202241057804.pdf
57	202241067533	Published	Dhineshanand S Dr. V. R. Rathi Ragi Krishnan Pakki Manoj Kumar Dr. Anil Shirgire Samuel Abraham D Dr. Basavaraja Simpi Raghu K M. Jawahar T. Udayabanu Anil Singh Gunasekar S	INNOVATIVE DESIGN STRUCTURES FOR MULTISTOREY BUILDINGS TO PREVENT THE COLLAPSE OF THE STRUCTURES DUE TO NATURAL	Dhineshanand S Dr. V. R. Rathi Ragi Krishnan Pakki Manoj Kumar Dr. Anil Shirgire Samuel Abraham D Dr. Basavaraja Simpi Raghu K M. Jawahar T. Udayabanu Anil Singh Gunasekar S	24-11-2022	02-12-2022	48/2022	Kongunadu College of Engineering and Technology	https://kongunadu.ac.in/wp-content/uploads/2026/03/202241067533.pdf

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Institute ID: IR-I-C-24986

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Patent Details with proofs (Attach screenshots, pdf, image file, etc.):

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58	202241071886	Published	DR. THOTA VENKATESWARA RAO DR. R. BHARGAVI DR. S. VIJAYAKUMAR DR. K PERIASAMY DR. M. NAGA SWAPNA SRI DR.P.ANUSHA	COMBINATION OF MOULD PATTERN RISER IN SAND CASTING	DR. THOTA VENKATESWARA RAO DR. R. BHARGAVI DR. S. VIJAYAKUMAR DR. K PERIASAMY DR. M. NAGA SWAPNA SRI DR.P.ANUSHA	13-12-2022	30-12-2022	52/2022	Kongunadu College of Engineering and Technology	https://kongunadu.ac.in/wp-content/uploads/2026/03/202241071886.pdf
59	202241073393	Published	Dr. S. Vanithamani N. Chellapandi Dr. S. Suganya Mr. Rajeev Ratna Vallabhuni Satheesh S Dr. K. Amudha Dr. Mohammed Siddique Dr. A Rohini Dr. S. Balu Mr. K. Palanivel Dr. V. Kannan Mr. J Logeshwaran	BANANA LEAF DISEASE DETECTION USING CNN – OPEN CV-DEEP LEARNING APPROACH	Dr. S. Vanithamani N. Chellapandi Dr. S. Suganya Mr. Rajeev Ratna Vallabhuni Satheesh S Dr. K. Amudha Dr. Mohammed Siddique Dr. A Rohini Dr. S. Balu Mr. K. Palanivel Dr. V. Kannan Mr. J Logeshwaran	18-12-2022	30-12-2022	52/2022	Kongunadu College of Engineering and Technology	https://kongunadu.ac.in/wp-content/uploads/2026/03/202241073393.pdf