



राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सूरतकल NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

SRINIVASANAGAR, MANGALORE- 575 025, KARNATAKA STATE, INDIA

Following technologies are available for commercialization. Interested ones can contact office of Dean (R & C) for further details.

Contact Detail : **Prof. Udaya Bhat, Dean (R&C)**, Email : dean.rc@nitk.edu.in, Landline No. 0824-2474017, Mobile No. 9480055475

Patent details

Sl. No.	Application No.	Title	Application Date	Applicant	Inventors
1	IN743/CHE/2009	Reducing the Effect of Channel Noise While Transmitting or Storing a Watermarked Image	31-03-09	NITK	Sripati Acharya, Myagmarbayar Nergui
2	IN5285/CHE/2012	A Process for Production of an Alcoholic Beverage from Cashew Apple and Raisins and the Alcoholic Beverage Produced Thereof	18-12-12	NITK	Prasanna Belur Devarbhata, Vinayaka Babu Shet, Shashikiran Ravikiran Hospet
3	IN1586/CHE/2013	Biomass Gasifier Stove	08-04-13	NITK	Kumar G N, S Venkatesh Kamath
4	IN2999/CHE/2014	A method for Synthesizing D-Perosamine	19-06-14	NITK	Arun M Isloor
5	IN2940/CHE/2015	Multiple Porous Draft Tube Spouted Bed Contactor	11-06-15	NITK	D V R Murthy, Rajashekhar S
6	IN6277/CHE/2015	A thin film reactor for obtaining Cardanol	21-11-15		Raj Mohan B
7	IN201641000437	A system and a method for Facilitating Service Selection in the Cloud	06-01-16	NITK	Santhanam Raghavan, K Chandrasekaran
8	IN201641005231	Use of Diacritical Marks for Speech Synthesis	15-02-16	NITK	Shashidhar G Koolagudi, Pavan Kumar K Y, Naveen K S
9	IN201641007122	Degraded Speech Recognition Using Signal Envelope	01-03-16	NITK	Shashidhar G Koolagudi, Pravin B Ramteke, Shreyas Joshi
10	IN201641007984	A Process for Improving N-3 Polyunsaturated Fatty Acid Content of Fish Oil	08-03-16	NITK	Prasanna Belur Devarabhata, Regupathi Iyyasami, Charanya Sampath, Vaisali Chandrasekar
11	IN201641020393	Tilt Rotowing Mechanism for VTOL type UAV	15-06-16		Under Screening & Classification
12	IN201641022442	A System and Method for Designing Energy Aware Applications Using Unified Modelling Language (UML)	30-06-16	NITK	Marimuthu C, K Chandrasekaran



राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सूरतकल
NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

SRINIVASANAGAR, MANGALORE- 575 025, KARNATAKA STATE, INDIA

13	IN201641025735	Method and System for Dynamic Word Encoding and Compression of Data	27-07-16	NITK	Ananthanarayana V S, Sakthi Murugan R
14	IN201641025734	Method and Device for Determining Turbidity Levels in Water	27-07-16	NITK	Shashidhar G Koolagudi, Mukund A, Rohit C, Pravin B Ramteke
15	IN201641034429	System and Apparatus for Customizable Keyboard with Mouse	07-10-16	NITK	G Ram Mohana Reddy, Ohileshwar Itagi, Shyam B S
16	IN201641035575	Solar Water Pumping System in Grid Tie or Off-Grid Mode with Net Zero Energy from Grid	18-10-16	NITK	B Venkatesaperumal, A Karthikeyan, M Arjun, Vanjari Venkata Ramana
17	IN201641038768	Automated Illizarov Apparatus	14-11-16	NITK	Vijay Desai, B Jagannath Kamath, Omey Mohan Manyar, Harshesh Harshendu Gokani, Sylvester Jerome Da Souza, Saurav Pantha, Nikil Jayasheelan
18	IN201641038767	Ulnar Neuropathy Device	14-11-16	NITK	K V Gangadharan, Vijay Desai, B Jagannath Kamath, Nikil Jayasheelan, Omey Mohan Manyar, Harshesh Harshendu Gokani, Raghavendra Sirigeri Hanumesh, Rakshith Rathnakar Kamath
19	IN201641040621	A Multiphase Transformer Rectifier Unit and a Method Thereof	28-11-16	NITK	R Kalpana, Saravana Prakash P, Bhim Singh, G Bhuvaneswari
20	IN201741000335	Method and Device for Sensorless PMSM Drive	04-01-17	NITK	A Karthikeyan, K K Prabhakaran, B Venkatesaperumal
21	IN201741005384	Fabrication of High Conductive Metallic Films at Low Temperature	15-02-17	NITK	Saumen Mandal, Bikesh Gupta, Pavan Pujar, Komalakrishna Hadagalli,



राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सूरतकल NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

SRINIVASANAGAR, MANGALORE- 575 025, KARNATAKA STATE, INDIA

					Robbi Vivek Vardhan
22	IN201741009197	A Dynamic Voltage Restoration System for Weak AC Grids and a Method Thereof	16-03-17	NITK	A Karthikeyan, B Venkatesa Perumal, D G Abhilash Krishna, K K Prabhakaran
23	IN201741012202	A Nerve Trimming Kit	05-04-17	NITK	K V Gangadharan, B Jagannath Kamath, Pruthviraj U, Nikil Jayasheelan, Abhijith J Kamath
24	IN201741017347	Method and System for Maximum Power Point Tracking of a PV-Array During Non-Uniform Insolation Conditions	17-05-17	NITK	J Saikrishna Goud, R Kalpana, Bhim Singh
25	IN201741027226	Multi Material Structure with Controllable Multi Directional Property	01-08-17	NITK	K V Gangadharan, Rohit Rajpal, Lijesh K P, Arunkumar M P, Susheel Kumar
26	IN201741032388	Active MR Damper Control	13-09-17	NITK	Hemantha Kumar, Akshay Elangovan, V Sugumaran
27	IN201741035860	A Passive Leading Edge Micro Protuberance Strip	10-10-17	NITK	Sathyabhama A, Raghavendra S
28	IN201741044068	Bacterial Based Synthesis of Core Shell Ago@TiO ₂ Nanoparticles for Photocatalytic Water Disinfection and Dye Degradation	08-12-17	NITK	Vidya Shetty K, Afshan Kilpady, Deekshitha
29	IN201741045083	Method And System for Preparing a Lanthanum Zirconium oxide Based Dielectric Ink for Micro Electronics	15-12-17	NITK	Jagannathan T K, Kishor Kumar M J, Pavan Pujar
30	IN201841000695	Removal of Heavy Metals from Contaminated Water by Adsorption using Melanin Bound Activated Carbon	06-01-18	NITK	Keyur Raval, Vishnu M, Raj Mohan Balakrishnan
31	IN201841000694	Rotating Packed Disc Bioreactor	06-01-18	NITK	Keyur Raval, Rohit Kalnake, D V R Murthy
32	IN201841003526	Dual Fence with Tapered Trailing Edge for Turbine/Compressor Blade Passage	30-01-18	NITK	Anish S, Kiran K N
33	IN201841008169	A Composition and Method of Removal of Heavy Metals from Contaminated Water	06-03-18	NITK	Smruthi G Prabhu, G Srinikethan, Smitha Hegde



राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सूरतकल

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

SRINIVASANAGAR, MANGALORE- 575 025, KARNATAKA STATE, INDIA

34	IN201841010102	Swirl Generator for Human Arterial Network	20-03-18	NITK	Anish S, Prashantha B
35	IN201841018816	Method, System and Apparatus for Upgrading Tyre Pyrolysis Oil	19-05-18	NITK	Saikat Dutta, Akhil Mohan
36	IN201841028640	Solid Oxide Fuel Cell Anode Material as Soot Oxidation Catalyst	30-07-18	NITK	Akhil Vijay M P, Anjana P Anantharaman
37	IN201841033533	Method and System for Fabricating a Porous Ceramic Structure Using Combustible Pore Former	06-09-18	NITK	Pavan Pujar, Komalakrushna Hadagalli, Dipti Gupta, Saumen Mandal
38	IN201841038650	Transformer-Less Solar Photovoltaic Grid Connected Inverter	11-10-18	NITK	Roopa Viswadev, Venkata Ramana Vanjari, Arjun Mudlapur, Venkatesape Rupal B, Pavana Kumar Pothapragada
39	IN201841046271	A Method and Composition for Soot Oxidation in a Diesel Particulate Filter	07-12-18	NITK	Chaitra S Shenoy, Atmuri Shourya
40	IN201841047090	Method and Device for Life Estimation of Li-Ion Battery	12-12-18	NITK	J Saikrishna Goud, R Kalpana
41	IN201821047543	System for Material Beneficiation Involving Hydro-Squeeze Classifier Assisted Grinding Ball Mill	15-12-18	NITK	Harish Hanumanthappa, Kaza Marutiram, Harsha Vardhan, Sah Rameshwar, Abhishek Kumar, Choudhury Arindam Roy, Naik Chaitanya
42	IN201841047554	Method, System and Apparatus for Arsenic Removal from Water Using Functionalized Melanin	15-12-18	NITK	Raj Mohan Balakrishnan, Keyur Raval, Vishnu M
43	IN201821048990	Material Handling System for Screening or Feeding Materials with High Screening and Energy Efficiency.	24-12-18	NITK	Shanmugam Bharath Kumar, Kaza Marutiram, Harsha Vardhan,



राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सूरतकल
NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

SRINIVASANAGAR, MANGALORE- 575 025, KARNATAKA STATE, INDIA

					Sah Rameshwar, Choudhury Arindam Roy, Naveena Omkarappa, Nagaraju Venkategouda
44	IN201941009001	Method and System for Fabricating a Structure Using Additive Manufacturing Wastes of C300 Maraging Steel	08-03-19	NITK	Raghul A, Udaya Bhat K, Sridhar Balaram
45	IN201941016783	A System and Method for Treating Sleep Apnoea	26-04-19	NITK	Supriya Nambiar, K V Gangadharan, Collin Robert, Vinayak V Gopal, George Pius Kuriakose, Gautham Sambath
46	IN201941018353	Variable Stiffness Magnetorheological Isolator	08-05-19	NITK	K V Gangadharan, Kiran Katari
47	IN201941032006	Method, System and Apparatus for Accurate Run-Out Decision	07-08-19	NITK	Bhawana Rudra
48	IN201941033324	Method and System for Producing Elongated Grains in Wrought Metals with Superior Creep Resistance	19-08-19	NITK	Subray R Hegde, Preetish Crimson Dsilva
49	IN201941033961	Industrial Thermocouples with Superior Creep Resistance	22-08-19	NITK	Subray R Hegde, Ganesh Bhat, Allen John, Praveen R, Sudhir Hegde, Jayarama Bhat M, J K Rakshan Kumar, Sudarshan B
50	IN201941036379	A Method for Islanding Detection Based on Image Classification with Ensemble Convolution Neural Networks	10-09-19	NITK	Santhosh K G Manikonda, Dattatraya N Gaonkar
51	IN201941040132	Method and System for Detecting Asymmetric Application Layer DDoS Attacks Based on User Access Patterns	03-10-19	NITK	P Santhi Thilagam, Amit Praseed
52	IN201941044515	Method and System for Synthesis of Electrode and Electrolyte Materials for High Energy Storage Devices	03-11-19	NITK	Aranganathan Viswanathan, Adka Nityananda Shetty
53	IN201941047909	Method and Composition for Fabricating a High-K Dielectric Material	23-11-19	NITK	Jagannathan T K, Kishor Kumar M J



राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सूरतकल

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

SRINIVASANAGAR, MANGALORE- 575 025, KARNATAKA STATE, INDIA

54	IN202041006193	Direct Compaction Mould for Preparation of Bitumen Bounded Fine Aggregate Matrix Specimen	13-02-20	NITK	Ningappa Akhandappagol, Suresha Subbarao Nagabhushanrao
55	IN202041007329	Efficient Production of Furanics And Levulinic Acid From Carbohydrates Inaqueous Hydrochloric Acid Using Quaternary Ammonium Salts as Surfactant	20-02-20	NITK	Saikat Dutta, Sib Sankar Mal, Sharath Bandibairanahalli Onkarappa, Navya Subray Bhat
56	IN202041023873	A Travellers Optimum Route Recommendation System	08-06-20	NITK	B R Chandavarkar, Gautam Ramakrishnan, V Saicharan, Mohit Bhasi
57	IN202041023872	Method, System and Apparatus for Converting Single DC to Three Phase Using Unidirectional Sinewave Generators	08-06-20	NITK	Y Suresh, Jammala Venkataramanaiah
58	IN202041028768	Method and System for Fabricating a Metallic Continuous Reinforced Composite	07-07-20	NITK	Praveen T R, H Shivananda Nayaka
59	IN202041047970	Method of Preparation of Activated Carbon Supported Vanado-Nickelate (IV) Nanohybrid Electrode for High-Performance Supercapacitor Device Application	03-11-20	NITK	Sib Sankar Mal, Partha Pratim Das, Sukanya Maity, Neethu B M
60	IN202041047969	Method of Preparation of High Energy Density Conducting Polyanilinephosphovanadomolybdate Nanohybrid Electrode for Supercapacitor Deviceapplication	03-11-20	NITK	Sib Sankar Mal, Anjana Anandan Vannathan
61	IN202041047968	Scalable Single-Stage Single-Phase Differential Flipped Gamma Semi Magnetically Coupled Impedance Source Inverter	03-11-20	NITK	Debashisha Jena, Gautham T N, Reddiprasad Reddivari
62	IN2020103341	AI Enabled Assistive Technology Development for Visually Impaired People Using Deep Learning	10-11-20	NITK	A John Rajan, G N Naveen Kumar, Ganesh N, Gupta Charu, M C Karthik Rao, Malghan Rashmi L, Pattanaik Balachandra,



राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सूरतकल

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

SRINIVASANAGAR, MANGALORE- 575 025, KARNATAKA STATE, INDIA

					Patnaik Manjula, Subramani T, T P Sanath Kumar, Virmani Deepali, Yadavalli Pavan Kumar
63	IN202041056808	A Method, System and Apparatus for Generating Patient Knowledgebase for Clinical Decision Support Applications	29-12-2020	NITK	Sowmya Kamath S., Gokul S. Krishnan, Krishnananda Prabhu Karadka
64	IN202121003890	A System for Mineral Separation and a Process Thereof Combining Froth Flotation and Gravity Separation	28-01-21	NITK	Mudhunuru Varma Raju, Harsha Vardhan, Govinda Raj Mandela, Harish Hanumanth Appa, Bharath Kumar Shanmugam, Rameshwar Sah
65	IN202141004899	A Modular System and Apparatus for Pneumatic Muscle Actuation in Medical Rehabilitation Exoskeleton Robots	04-02-21	NITK	Navin Karanth P, Antonio Dylan Do Rosario Carvalho, Vijay Desai
66	IN202141007885	A High-Performance Supercapacitor Device of Polyaniline-Triethyl Amine Ionic Liquid Combined phosphomolybdate Electrode and Method Thereof	24-02-21	NITK	Sib Sankar Mal, Saikat Dutta, Anjana Anandan Vannathan, Muhammed Anees P K
67	IN202141012329	Hybrid Radial Flux Based Multi-Pole Piston for Magneto Rheological Damper	23-03-21	NITK	Hemantha Kumar, Pinjala Devikiran, Puneet N P, Tak Radhe Shyam
68	IN202141016581 (Commercialised)	A Composition for Reducing Acridity in Edible Aroid Corms and a Method of Preparing Edible Aroid Corms with Reduced Acridity	08-04-21	NITK	Prasanna Belur Devarabhatta, Moni Philip Jacob K
69	IN202141016770	A Method and System for Global Peak Detection Under Non-Uniform Insolation Conditions	09-04-21	NITK	Vignesh Kumar V, B Venkatesaperumal, Ragavendra Rao P
70	IN202141018525	Frustrum Tension-Leg Platform for Floating Wind Turbine	22-04-21	NITK	Debabrata Karmakar, Rony J S
71	AU2021102416	Method For Evolution of Probability Distribution Function of Shovel Dumper Combination in Opencast Coal Mine	08-05-21	NITK	Choudhary R P, Kumar N S Harish, Murthy Ch S N



राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सूरतकल

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

SRINIVASANAGAR, MANGALORE- 575 025, KARNATAKA STATE, INDIA

72	IN202141023698	Smart Electric Vehicle Charging Station	27-05-21	NITK	Bonthapalle Dastagiri Reddy
73	IN202141025360	Text to Graph Convertor	08-06-21	NITK	Shashidar G Koolagudi, Jay Shinde, Ayush Kumar, Gauri Baraskar, Vathsala H
74	IN202141026712	Hydro-Squeeze Pressure Filtering for the Efficient Beneficiation of Coal Material	16-06-21	NITK	Harish Hanumanthappa, Harsha Vardhan, Govinda Raj Mandela, Bharath Kumar Shanmugam, Mudhunuru Varma Raju, Harish Kumar N S
75	IN202141027382	A Hollow Fiber Ultrafiltration Membrane	18-06-21	NITK	Arun M Isloor, Mithun Kumar, Somasekhara Rao Todeti
76	IN202141032871	Reconfigurable Triple-Band On-Chip Nano Antenna for Terahertz Applications	21-07-21	NITK	Sandeep Kumar, Hanjung Song, Prabu K., Shyam Lal
77	IN202141035597	A Hollow Fiber Ultrafiltration Membrane	06-08-21	NITK	Arun M Isloor, Mithun Kumar, Chandrashekar M. Nayak, Somasekhara Rao Todeti
78	IN202141035520	A PH-Sensitive Topical Wound Healing Hydrogel	06-08-21	NITK	P. E. Jagadeesh Babu, Diksha Sharma, Raj Mohan B.
79	IN202141035822	A Method of Preparing Low Temperature Stabilized High Entropy High-κ Oxides	09-08-21	NITK	Ashritha Salian, Saumen Mandal
80	IN202141037148	A Torsional Vibration Isolator Based on Shear Mode Operation	17-08-21	NITK	Subhasankar Dwibedi, Praveen Shenoy K., Ganghadharan K. V.
81	IN202141039927	A System and Method for an Authentication and Fraud Detection	03-09-21	NITK	Shashidar G. Koolagudi, Nagaratna B. Chittaragi, Shiva Swaroop V., M. Sri Charan Reddy, Umesh Sai R.
82	IN202141042588	A Hollow Fibre Nanocomposite Ultrafiltration Membrane and a	20-09-21	NITK	M Isloor Arun



राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सूरतकल

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

SRINIVASANAGAR, MANGALORE- 575 025, KARNATAKA STATE, INDIA

		Water Purifier Comprising Thereof			
83	IN202141048958	An Ultrafiltration Membrane Comprising Hydrophilic Polymeric Microspheres for Protein Rejection	26-10-21	NITK	Arun Mohan Isloor, Panchami H. R.
84	IN202141056311	A Single DC Source based Power Conversion by Employing Single Phase Transformers for PV Power Systems	04-12-21	NITK	Yellasiri Suresh, Bhukya Nageswar Rao, Banavath Shiva Naik
85	IN202141056310	A Switched Capacitor based Boost Multilevel Inverter and its Hybridization	04-12-21	NITK	Yellasiri Suresh, Banavath Shiva Naik, Bhukya Nageswar Rao
86	IN202141056309	Method, System and Apparatus for Charging an Electric Vehicle	04-12-21	NITK	Dharavath Kishan, Bonthapalle Dastagiri Reddy
87	IN202141056308	Satvote: Secure Remote Voting System Using Blockchain and Satellite Communication	04-12-21	NITK	Sourav Kanti Addya, Urvesh Rathod, Shashidhar G Koolagudi
88	IN202241003127	A Process for Synthesizing Ionic Polymer Nanoparticles and a Hydrophilic Nanocomposite Ultrafiltration (UF) Membrane	19-01-22	NITK	Arun Mohan Isloor, Syed Ibrahim Gnani Peer Mohamed
89	IN202241004255 (Being Commercialised)	Method, System and Apparatus for Universal Motor Drive Cum Charging of an Electric Vehicle	25-01-22	NITK	Prajof P, Bonthapalle Dastagiri Reddy
90	IN202241008785	EV Battery Pack with Voltage Balancing Features	19-02-22	NITK	Prajof P, Nithin Raj
91	IN202241008784	Method, System and Apparatus for Automated Diagnosis of Mycotic Keratitis	19-02-22	NITK	Sowmya Kamath S, Veena Mayya, Krishnananda Prabhu Karadka, Manali Hazarika
92	IN202241010501	Separation Tube for Investigating Storage Stability of Modified Asphalt Binder	25-02-22	NITK	Hemanth Kumar V, Suresha Subbarao Nagabhushanarao
93	IN202241010082	A Single-Step Method for Production of Magnetorheological (MR) Fluid Using Spark Discharge Technique	25-02-22	NITK	Pinjala Devikiran, Puneet N P, Tak Radhe Shyam Saini, Ranjeet Kumar Sahu, Hemantha Kumar
94	IN202241012215	Ultrafiltration Membrane	07-03-22	NITK	Arun Mohan Isloor, M Chandra Shekhar Nayak



राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सूरतकल

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

SRINIVASANAGAR, MANGALORE- 575 025, KARNATAKA STATE, INDIA

95	IN202241012406	A Compact Isolated DC/DC Multiport Converter to Interface Multiple Sources, Loads and Energy Storage Devices	07-03-22	NITK	Nagendrappa H, Adarsh S
96	IN202241012056	Method And System for Major Event Detection in a Power System	07-03-22	NITK	Tukaram Moger, Sagar Dipesh Dahanuwala, Prathamesh Gachhi, Teena Johnson, Abhinandan M Pathak, Shantanu Arya
97	IN202241018909	Method for Detecting Hybrid Islanding Based on Lissajous Patterns for Microgrids	30-03-22	NITK	Subhradip Mondal, Pritam Kumar Gayen, Dattatraya Narayan Gaonkar
98	IN202241018908	Smart Landing Gear Wheel for a Fixed Wing Aircraft	30-03-22	NITK	Praveen T R, H Shivananda Nayaka
99	IN202241020701	A Chemosensor Probe for Colorimetric Optical Detection and Differentiation of Arsenite and Arsenate Ions and Ratiometric Detection of Carbonate Ions	06-04-22	NITK	Nagaraj K, A Nityananda Shetty, Darshak R Trivedi
100	IN202241022916	A Portable Household Micro Bio-Diesel Reactor	19-04-22	NITK	N Gnanasekaran, G Narendran
101	IN202241027167	Method to Determine and Differentiate Inorganic Arsenic Ions (Arsenite, As^{3+} and Arsenate As^{5+}) and a Method of Synthesis of Receptor R	11-05-22	NITK	Nagaraj K, A Nityananda Shetty, Darshak R Trivedi
102	IN202241027415	Pozzolan Based Battery System with Microbial Activity	12-05-22	NITK	T Palanisamy, Arjun S
103	IN202241027416	Method and System for Energy Trading in Networked Microgrids using Matching Theory	12-05-22	NITK	Biji Varghese K V, Dattatraya Narayan Gaonkar
104	IN202241031219	A Pneumcapsulator Device for Preparing Bactoperl	31-05-22	NITK	T Palanisamy, Basil Baby
105	IN202211039377	Assistance Device for Visually and Hearing-Impaired Person	08-07-22	NITK	Vipin Sharma, Sandeep Kumar, Krishna Pandey, Sapna Katiyar,



राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सूरतकल

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

SRINIVASANAGAR, MANGALORE- 575 025, KARNATAKA STATE, INDIA

					Rachit Patel
106	IN202241041711	A Method for Forming a Magnetic Mixed Ferrite Graphene Nanocomposite	21-07-22	NITK	Anuma Saroja, Praveen Mishra, Badekai Ramachandra Bhat
107	IN202241046349 (Being Commercialised)	An Integrated Charger-Cum-Motor-Drive Power Converter with Dual Energy Storage System	16-08-22	NITK	Vivek Kumar, Prajof P, Bonthapalle Dastagiri Reddy
108	IN202241047519	Smart Integrated IOT and ML Based Safety System for Monitoring Elderly Wandering People	21-08-22	NITK	Harisha K S, Sandeep Prabhu M, Sheetal Nandanwar, Parismita Sarma, Susmita Das, Anil S Naik, S Premkumar, Vaishali N Agme
109	IN202241047924	Method, System and Apparatus for Forecasting Solar Irradiance on Photovoltaic Panels	23-08-22	NITK	Vinatha U, Aditya Chandrasekar, Ajeya K
110	IN202241057878	A System for Operating an Exoskeleton with a Novel Pronation Supination Mechanism	10-10-22	NITK	Navin Karanth P, Vijay Desai, Antonio Dylan Do Rosario Carvalho
111	IN202241062463	Method, System and Apparatus for Floating Breakwater Integrated Wave-Energy Power Generation	02-11-22	NITK	Debabrata Karmakar, Shivakumar B. Patil
112	IN202241062462	Multiport High Gain Power Converter with Active Power Decoupling and its Operating Method thereof	02-11-22	NITK	Muthumula Rama Narayana Reddy, Bonthapalle Dastagiri Reddy, Prajof P, Dharavath Kishan
113	IN202241067841	Channel Codes for Enhancing Integrity of Information Storage in NAND Flash Memories	25-11-22	NITK	U. Shripathi Acharya, Pathipati Srihari, Achala G.
114	IN202241069622	Transesterification of Isohexides under Solvent-Free Conditions	02-12-22	NITK	Navya Subray Bhat, Saikat Dutta, Kartick Tarafder, Nivedha Vinod
115	IN202241072549	System and Method for Designing Microheater Achieving High Temperature Uniformity	15-12-22	NITK	N. Ramshanker, Kolla Lakshmi Ganapathi, Mohan Sangeneni,



राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सूरतकल

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

SRINIVASANAGAR, MANGALORE- 575 025, KARNATAKA STATE, INDIA

					M. Shankaranarayana Bhat
116	IN202341006810	A Process for Preparing Edible Betel Nuts with Reduced Arecoline Content from Areca Nuts and the Dearecolinated Betel Nuts Produced therefrom	02-02-23	NITK	Prasanna Belur Devarabhata, Regupathi Iyyasami, Ankita Dutta
117	IN202341011781	Compounds as Anticancer Agent and a Process for Preparation thereof	21-02-23	NITK	Arun M Isloor, Satyanarayana D S., Debashree Chakraborty
118	IN202341013037	Open Switch Fault Detection Method for Transformer less Photovoltaic Inverter	27-02-23	NITK	Md Waseem Ahmad, Muhammed Ramees M K P, Mohamed Nadir N
119	IN202341014271	Polyoxometalates Solution for Removing Corrosion from a Corroded Metal Surface and a Method thereof	03-03-23	NITK	Sib Sankar Mal, Muhammed Anees P K
120	IN202341014270	Dynamic Kite Area-Based Take-Off and Landing Device for Power Kites	03-03-23	NITK	Yashwant Kashyap, Roystan Vijay Castelino
121	IN202341017600	Ground-Based Power Kite Controller	16-03-23	NITK	Yashwant Kashyap, Roystan Vijay Castelino
122	IN202341029597	System and Device for Swapping Battery in Kite Power Generation	24-04-23	NITK	Yashwant Kashyap, Manjunatha Sharma K, Roystan Vijay Castelino
123	IN202341029596	A Highly Efficient Antimicrobial Copper Oxide Films for Bacterial Infections	24-04-23	NITK	Naveen Bharadishettar, Udaya Bhat K
124	IN202341033747	A Non-Isolated Multi-Port Interleaved Bipolar Bidirectional Converter for EV Charging in Bipolar DC Grid	13-05-23	NITK	Nisha K S, Dattatraya Narayan Gaonkar, Jayalakshmi N S
125	IN202341033746	Normally off Ga ₂ O ₃ on Insulator Junctionless Drain Extended Field Effect Transistor	13-05-23	NITK	Nikhil K S, Manukrishna V R
126	IN202341033749	Machining Vibration Damping Device, System, and Method thereof	13-05-23	NITK	Suhas S Aralikatti, Hemantha Kumar
127	IN202341033748	Bioleached Iron as a Catalyst for Fenton's Oxidation Process	13-05-23	NITK	Basavaraju Manu, Bhaskar S
128	IN202341039959	Kite Power Emulator	12-06-23	NITK	Yashwant Kashyap, Manjunatha Sharma K,



राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सूरतकल

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

SRINIVASANAGAR, MANGALORE- 575 025, KARNATAKA STATE, INDIA

					Roystan Vijay Castelino
129	IN202341039960	A Non-Mobile Based Dedicated Portable Device to Indicate the Change in Price of Cryptocurrency	12-06-23	NITK	V S S K R Naganjaneyulu Gudapati, Adapa Venkata Narasimhadhan, Guddeti Prashanth, Katkuri Sai Vikas, Kokkiral Adithya, Gumpula Rohith Joshua, Pusapally Kalyani
130	IN202341040413	Histopathological Images are Used to Automatically Identify Various Types of Lung Cancer Using a Lightweight, End-To-End CNN Approach	14-06-23	NITK	T Sheela, Himanshu Singh, Mirza Shafi Shahsavar, H Krishna Ram, Jai Kishan Singh, Sunil Kumar S, Saniya Bhalerao, Belsam Jeba Ananth M, Mithun Dsouza, Navya H, Annam Karthik, Harikumar Pallathadka
131	IN202341041830	System and Method for Additive Manufacturing of Metallic Composites by Friction	23-06-23	NITK	Praveen T R, Arun Kumar Shettigar
132	IN202341041829	Method for Synthesizing and Preparing Metal Complexes by Way of Schiff Base Ligand	23-06-23	NITK	Rasheeda Maqbool Ansari, Dileep R, Badekai Ramachandra Bhat
133	IN202341041828	Metal Chalcogenide-Based Nanoalloy Compositions for Seawater Splitting and Method Thereof	23-06-23	NITK	John D Rodney, Sindhur Umamaheshwar Joshi, Udayashankar N K, Badekai Ramachandra Bhat, Lavanya Rao, S Deepapriya, C Justin Raj
134	IN202341044002 (Being Commercialised)	Multi-Mode Converter System for Electric Vehicles	30-06-23	NITK	Gutti Om Suraj, Muthumula Rama Narayana Reddy, Vivek Kumar, Prajo P,



राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सूरतकल NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

SRINIVASANAGAR, MANGALORE- 575 025, KARNATAKA STATE, INDIA

					Bonthapalle Dastagiri Reddy
135	IN202341045189 (Being Commercialised)	Wireless Electric Vehicle Battery Charger with Wide Output Voltage Range	05-07-23	NITK	Dharavath Kishan, Nitishkumar, Marupuru Vinod, Md Waseem Ahmad, Bonthapalle Dastagiri Reddy
136	IN202341045190	System and Method for Forecasting Photo Voltaic Power Generation	05-07-23	NITK	Dattatraya Narayan Gaonkar, Yashwant Kashyap, Roystan Vijay Castelino, Anil Kumar
137	IN202341047371	A High Gain Fully Isolated DC/DC Multiport Converter to Interface Multiple Sources, Loads and Energy Storage Devices	13-07-23	NITK	Nagendrappa H, Adarsh S
138	IN202341048198	Universal Hybrid Energy Management Controller for Electric Vehicle with Emulator	18-07-23	NITK	Yashwant Kashyap, Vishnu Sidharthan P, Roystan Vijay Castelino
139	IN202341049595	Method of Extracting Intracellular (Ri) And Extracellular (Re) Resistance from a Multi Frequency Bioimpedance Spectroscopy	22-07-23	NITK	Md Waseem Ahmad, Mohammad Rizwanur Rahman, Aman Kashyap, Sameer Mujawar, Karma Wangda, Ashish Jain, Mohammad Muhiuddin, Aliullah Zaifullah khan, Kaustubh Kishore Ambekar
140	IN202341051346	Sit to Stand and Stand to Sit Assisting Device and Method thereof	31-07-23	NITK	Khyati Verma, Subodh Kumar Suman
141	IN202341052223	Optimized Proportion for Producing Fly ash Based Coarse Aggregates Integrated with Iron Ore Tailings	03-08-23	NITK	Bibhuti Bhusan Das, B P Sharath
142	IN202341058071	High-Gain Direct Current to Direct Current Converter with Reduced Component Count	30-08-23	NITK	Prajof P, Sunil Mandal
143	IN202341058070	A Composition for Production of Fly Ash Based Pelletized Aggregate Switch Burnt Lime	30-08-23	NITK	Bibhuti Bhusan Das, B P Sharath



राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सूरतकल

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

SRINIVASANAGAR, MANGALORE- 575 025, KARNATAKA STATE, INDIA

144	IN202341059720	A Non-Isolated Ultra-High-Gain DC-DC Converter with Wide Voltage Conversion Ratio	05-09-23	NITK	Arun Dominic D, Prajof P, Sunil Mandal, Sourav Prasad
145	IN202341062747	Convoy Vehicle Identification and Authentication system and Method Thereof	19-09-23	NITK	Bhawana Rudra, Sarvesh V Sawant
146	IN202341065174	A System and Method for Tomato and Potato Plant Leaf Disease Detection	28-09-23	NITK	Gururaj Sunkad, Venkat Reddy Sangam, Christudas Philipose, Manoj A Patil, B M Dodamani, Manohar M, C Laxuman, Khyamling Parane
147	IN202341068137	Method for Producing Chitin-Degrading Enzymes and Chitin Oligomers by Way of Bacillus Aryabhattai	11-10-23	NITK	S Arun Kumar, Ritu Raval, Keyur Raval
148	IN202341068136	An Optimized Fuzzy Based Switching System for Nine-Level Cascaded H- Bridge (ChB) Inverter	11-10-23	NITK	Yellasiri Suresh, Kancharapu Aditya, Banavath Shivanai, M Vijay Kumar
149	IN202341068138	A Hybrid Dual Boost Multilevel Inverter	11-10-23	NITK	Yellasiri Suresh, Kancharapu Aditya, Banavath Shivanai
150	IN202341068135	Method for De-Emulsions	11-10-23	NITK	Basavaraju Manu, Surya Nair K, Adani Azhoni
151	IN202341069025	Simultaneous Partitioning of Multiplebioactive Compounds from the Crude Extract	13-10-23	NITK	I Regupathi, Chaitra Chandrakant Shanbhag, Prassanna B D, Prajna Rao K
152	IN202341069373	Artificial Intelligence-Based Diagnostic System for Early Detection of Diseases	14-10-23	NITK	K Chandrasekaran, M Venkatesan, P Prabhavathy
153	IN202341071657	Chromogenic Probe for Selective Ratio metric detection of Arsenite and Method of Synthesis of the Probe P	20-10-23	NITK	Nagaraj K, A Nityananda Shetty, Darshak R Trivedi
154	IN202341078297	A Nanofiltration Membrane and a Process of preparing the Membrane thereof	17-11-23	NITK	Arun M. Isloor, Pallavi Kandlaje, Chandrashekhara Upadhyaya



राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सूरतकल

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

SRINIVASANAGAR, MANGALORE- 575 025, KARNATAKA STATE, INDIA

155	IN202341089725	Method of Detection of Arsenite Ions	29-12-23	NITK	Nagaraj K., A. Nityananda Shetty, Darshak R. Trivedi
156	IN202441040630	A Method of Fabricating Electrochemical Energy Storage Device	24-05-24	NTK	Aranganathan Viswanathan, Aravindan Vanchiappan, Adka Nityananda Shetty
157	IN202341079318	Method of Developing Pseudomonas Stutzeri Immobilized Rice Husk Biochar	22-11-23	NITK	Vaishakh Nair, Soumya Koippully Manikandan, Keyur Raval
158	IN202341084995	Torque Measurement System and Method for Torque-Controlled Motor Drives	13-12-23	NITK	P Krishna Reddy, P Parthiban, J Santhosh Reddy
159	IN202341090176	Universal Wireless Battery Charger to Charge Different Voltage Range Batteries	30-12-23	NITK	Marupura Vinod, Dharavath Kishan, Bonthapalle Dastagiri Reddy
160	IN202441002086	Optimized Proportion for Producing Fly Ash Based Coarse Aggregates Integrated with Copper Ore Tailings	11-01-24	NITK	Bibhuti Bhusan Das, B. P. Sharath
161	IN202441002397	N-(3-fluoro-[1,1'-biphenyl]-4-yl)-2-(piperazin-1-yl) Acetamide and Method of Preparation Thereof	12-01-24	NITK	Rajkumar Reddyrajula, Udaya Kumar Dalimba
162	IN202441007897	Process of Deriving Porous Graphitic Carbon for High-Performance Supercapacitors from Biomass Waste	06-02-24	NITK	Shreeganesh Subraya Hegde, Badekai Ramachandra Bhat
163	IN202441009279	Stone Matrix Asphalt (SMA) Mixes with Areca Fibres	12-02-24	NITK	A U Ravishankar, Raghuram K. Chinnabhandar
164	IN202441013799	Process of obtaining Meso-Thienyl/Furyl Substituted Azo-Porphyrins by Chemical Synthesis	26-02-24	NITK	Vijayendra S Shetti, Sahana Nagesh Shet



राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सूरतकल

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

SRINIVASANAGAR, MANGALORE- 575 025, KARNATAKA STATE, INDIA

165	IN202441016635	Sequential Batch Bioleaching Process Employing Alcaligenes Aquatilis and Chromo bacterium Violaceum	07-03-24	NITK	Minimol M., Vidya Shetty K., M. B. Saidutta
166	IN202441019516	Chitosan-Neem Gum Nanocomposite Film and Method of Preparation Thereof	16-03-24	NITK	Vishnu Saman, Maneesh Kumar Poddar, Keyur Raval
167	IN202441023348	Single-Line Kite power Control System with On-Air Motorized Controller	25-03-24	NITK	Yashwant Kashyap, Roystan Vijay Castelino, Manjunatha Sharma K.
168	IN202441027163	A Process of Preparing an Ultraviolet (UV) Protective Coating from Marine Food Bio-Waste Materials	02-04-24	NITK	Mahin Saif Nowl, Ambili V, Santhra Krishnan P Saumen Mandal, Harshitha N Anchan, Saikat Dutta
169	IN202441030042	Process of Deriving Activated Carbon from Dead Mangifera Indica Leaf Waste for High performance Supercapacitor	13-04-24	NITK	Shreeganesh Subraya Hegde, Badekai Ramachandra Bhat
170	IN202441030043	Process of Preparing Cocos Nucifera Waste derived High surface Carbon and Selection of Electrolyte Concentration for Green Energy Storage Device	13-04-24	NITK	Shreeganesh Subraya Hegde, Badekai Ramachandra Bhat
171	IN202441031389	Humovascomimetic Livingcrete	19-04-24	NITK	T. Palanisamy, Anoop P. P.
172	IN202441031388	Method for Developing Tsunami-Resilient Rubble Mound Breakwaters with Geosynthetics	19-04-24	NITK	Babloo Chaudhary, Manu K. Sajan
173	IN202441036272	TiO ₂ @ZIF-67 Incorporated PVDF Membranes for the Removal of Hazardous Reactive Black 5 and Congo Red dyes from Water	07-05-24	NITK	Arun M. Isloor, Nethravathi Prabhakar
174	IN202441036273	Novel Technique for Seismic Resilience Enhancement of Rubble Mound Breakwater through Reinforcing Element Integration	07-05-24	NITK	Babloo Chaudhary, Akarsh P. K.



राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सूरतकल

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

SRINIVASANAGAR, MANGALORE- 575 025, KARNATAKA STATE, INDIA

175	IN202441036271	Synthesis of Spherical Hybrid Nanoparticle using Non-traditional Micro Grinding (NTMG) Technique	07-05-24	NITK	Akash Korgal, Arun Kumar Shettigar, Navin Karanth P., Shrivathsa T. V.
176	IN202441036270	Effective Removal of Hazardous Atrazine and Chlorpyrifos by Waste-Derived Linker having Novel MIL-53 (Aluminium) / PMMA-Nanofiber Incorporated PVDF Membranes	07-05-24	NITK	Arun M. Isloor, Nethravathi Prabhakar
177	IN202441036581	Septon Semi-Submersible Platform for Marine Renewable Energy Conversion	09-05-24	NITK	Binoy Sebastian, Debabrata Karmakar, Manu
178	IN202441042240	An IOT-Enabled Real-Time Early Warning Hazard Monitoring System for Underground Mine Environmental Parameters	30-05-24	NITK	Sandi Kumar Reddy, Anil S Naik, M. Aruna, Mandela Govinda Raj
179	IN202441042715	Precision Temperature-Controlled Mixer with Interchangeable Mixing Blades and a Circumferential Heating System	01-06-24	NITK	Raviraj H. Mulangi, A. U. Ravi Shankar, Yatish R. G.
180	IN202441042717	ADAS with Real-Time Obstacles Detection for Identifying Breaker Points and Method Thereof	01-06-24	NITK	Yashwant Kashyap, Siddhant Patel
181	IN202441042716	A Method of Green Synthesis of Zwitterionic Polymeric Nanoparticles	01-06-24	NITK	Arun M. Isloor, Nidhi Regina Mendonca
182	IN202441043802	The Process of Detecting the Dengue Virus Using an Ultrasensitive High-Surface Porous Carbon-Based Electrochemical Biosensor	06-06-24	NITK	Badekai Ramachandra Bhat, Shreeganesh Subray Hegde
183	IN202441046342	Method for Synthesising PANI/GO based Composite Proton Exchange Membrane	15-06-24	NITK	P.E. Jagadeesh Babu, Atul Vasant Sawale
184	IN202441052188	Transitional Metal-Doped Ceria-Praseodymium Based Nano Fiber Catalysts Synthesised Via Electrospinning Technique for Diesel Soot Oxidation	08-07-24	NITK	Hari Prasad Dasari, Sunaina S Patil



राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सूरतकल

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

SRINIVASANAGAR, MANGALORE- 575 025, KARNATAKA STATE, INDIA

185	IN202441052187	Intelligent Prediction System for Coronary Artery Disease with the Application of Multi-Dimensional Approach	08-07-24	NITK	Shrikantha S Rao, Navin Karanth P., Shrivathsa T.V., Arun Kumar Shettigar, Akash Korgal
186	IN202441053139	LAMOX Materials as Soot Oxidation Catalysts for Diesel Particulate Filters	11-07-24	NITK	Hari Prasad Dasari, Sunaina S Patil, M.B.Saidutta, Ashmita Das, Anugraha Renny
187	IN202441053282	Fly Ash-Based Composite Composition for Thermal Insulation and Method for Preparing the Fly Ash Based Composite Composition	12-07-24	NITK	Nagarjuna Chavana, Sudhakar C Jambagi
188	IN202441055008	Method for synthesizing Anano composite coating having copper Oxide (CuO) Nanoparticles	18-07-24	NITK	Ramesh M R., Prakash Kumar, Mrityunjay Doddamani, Gajanan Anne, Aditya Kudva S.
189	IN202441058465	L-shaped Floating Oscillating Water Column Wave Energy Converter System and Method Thereof	01-08-24	NITK	Manu, Harikrishnan T.A.
190	IN202441058464	Gabion Reinforced Rubble Mound Breakwater for Tsunami Mitigation and Method Thereof	01-08-24	NITK	Babloo Chaudhary, Manu S. Sajan
191	IN202441058463	Geogrid Reinforced Rubble Mound Breakwater to Mitigate Tsunami Induced Damages and Method Thereof	01-08-24	NITK	Babloo Chaudhary, Manu S. Sajan
192	IN202441065260	A Process of Mechanized Fabrication of Geocell from Jute Fabric	29-08-24	NITK	Sreevalsa Kolathayar (Application Not Yet Published)
193	IN202441066431	Multi-High Gain Multiport DC-DC Converter for Integrating Renewable Energy Sources with MPPT to DC Grids	02-09-24	NITK	N. Manikanteswara Reddy, Bonthapalle Dastagiri Reddy
194	IN202441071104	Process of Synthesis of Composite Material by Upcycling Mill Scale Waste for Binder Functionality and Carbon Sequestration	20-09-24	NITK	T. Palanisamy, Niveditha M.



राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सूरतकल

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

SRINIVASANAGAR, MANGALORE- 575 025, KARNATAKA STATE, INDIA

195	IN202441076845	A Device for Slope Vulnerability and Land-Slide Assessment (S-VALSA)	10-10-24	NITK	Varun Menon O., Sreevalsa Kolathayar
196	IN202441076844	Hybrid Offshore Renewable Energy Integrated Semi-Submersible Platform	10-10-24	NITK	Binoy Sebastian, Debabrata Karmakar
197	IN202441079522	Hydroxyapatite-based Composite for Coating Implants and Method Thereof	19-10-24	NITK	Deep Shankar, Sudhakar C. Jambagi
198	IN202441082120	A Method of Preparing Low Temperature Processed Ni-Ti-TiC Eutectic Cermet	28-10-24	NITK	Lakkimsetti Lakshmi Praveen, Juvva Srinithya, Soorya G., Saumen Mandal
199	IN202441082121	Automatic Path Planning System for Mobile Vehicle with Robot using Ultra-Wide Band and Method Thereof	28-10-24	NITK	Arun Kumar Shettigar, Gajula Raj Kumar, Navin Karanth P., Shrikantha S Rao, Mervin A Herbert
200	IN202441084937	A Non-Enzymatic Biosensor for Cholesterol Measuring	06-11-24	NITK	Badekai Ramachandra Bhat, Lavanya Rao V. R.
201	IN202441094055	A Method for Preparing Microbial Healing Composition	30-11-24	NITK	T. Palanisamy, Anoop P P
202	IN202441095917	A Micro-Scale Pore Pressure Measuring Device	05-12-24	NITK	Varun Menon O, Sreevalsa Kolathayar
203	IN202441095918	Single Sensor-Based Control and Fault Detection in Transformerless PV Inverters and Method Thereof	05-12-24	NITK	Md Waseem Ahmad, Ravi Raushan, Muhammed Ramees M K P, Md Sartaj Ahmed
204	IN202441099810	Formation of Calcite Polymorph using Bactospore	17-12-24	NITK	T. Palanisamy, Preeti Chaudhary



राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सूरतकल

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

SRINIVASANAGAR, MANGALORE- 575 025, KARNATAKA STATE, INDIA

205	IN202541000958	Method of Obtaining Pavement Base Layers Using FCA (Ferro Chrome Aggregates) and RCA (Recycled Concrete Aggregates)	04-01-25	NITK	Raviraj H. Mulangi, A U Ravi Shankar, Kondeti Chiranjeevi
206	IN202541000959	A Single-Stage Five-Level Common Ground Switched-Capacitor-Based Transformerless Inverter	04-01-25	NITK	Ravi Raushan, Md Waseem Ahmad, Md Sartaj Ahmed
207	IN202541004383	A Method of Formulating Colloidal Boron Quantum Dots Dispersion in Glycerol for Gas-Sensing Application	20-01-25	NITK	Lakkimsetti Lakshmi Praveen, Harsha Satija, Shagun Kumar, Saumen Mandal
208	IN202541008003	Compressive Sensing based Compressor for Wireless Capsule Endoscopy and Method Thereof	30-01-25	NITK	Aparna P, Krishna Kumar P, Sandeep Kumar
209	IN202541009378	Bio-Inspired Helicoidal Structured Basalt /Hemp/ Polyurethane Rubber Sandwich Bio-Composites.	05-02-25	NITK	Darshan M L, Ravi Shankar K S
210	IN202541014693	Double-Wrapped Face Geogrid Reinforced Rubble Mound Break Water to Mitigate Earthquake-Induced Damage and Method Thereof	20-02-25	NITK	Babloo Chaudhary, Akarsh P K
211	IN202541029106	A Smart Coir Geomat for Engineering Applications	27-03-25	NITK	Varun Menon O, Sreevalsa Kolathayar
212	IN202541029108	Extended Voltage Operation and Power Decoupling in Photovoltaic Inverter	27-03-25	NITK	Md Waseem Ahmad, Ravi Raushan, Argha Mukherjee, Muhammed Ramees M K P, Md Sartaj Ahmed
213	IN202541029107	An Automated Ergonogauge Device for Measuring Three-Dimensional Spatial Data	27-03-25	NITK	Khyati Verma, Siddharth R, Ajay Rai E, Raghavendra Pandurang Jadhav, Dhiren V Bhandary, Gangadharan K V, Rohan Mascarenhas



राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सूरतकल

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

SRINIVASANAGAR, MANGALORE- 575 025, KARNATAKA STATE, INDIA

214	IN202541032533	Orthodontic Appliances to Prevent Tongue Thrusting Habit	02-04-25	NITK	Priyalakshmi, Khyati Verma, Dhiren V Bhandary, Raghavendra Pandurang Jadhav, Gangadharan K V, Praveena Shetty, Greeshma Kannan
215	IN202541032535	Self-Sampling Cup for Pap (or Pap Smear) and Human Papillomavirus (HPV) Testing	02-04-25	NITK	Khyati Verma, Rajeev Aravindakshan, Vedangi Nishane, B R Jayalekshmi, K.V. Gangadharan
216	IN202541032534	Circadian Sync: A Non-Invasive, Real-time Fatigue and Cognitive Performance Monitoring System	02-04-25	NITK	Bhawana Rudra, Sahjanya Srikanth, Mohammed Sameer Ahmed
217	IN202541032532	Fabrication of Polysulfone Based Hollow Fiber Membrane for Dye Removal Application	02-04-25	NITK	Arun M. Isloor, Sooraj S. Nayak
218	IN202541035369	Fabrication of Low Temperature Phase-Stabilized High-Entropy Spinel Oxide for Gas Sensing Application	11-04-25	NITK	Lakkimsetti Lakshmi Praveen, Bhumika Upadhyay, Saumen Mandal
219	IN202541038488	Entanglement-based Asymmetric Quantum Error Correction System and Method Thereof	22-04-25	NITK	Bhawana Rudra, Mummadi Swathi
220	IN202541041367	Hybrid Cell Balancing Based Thermal Management System for Lithium-Ion Battery Packs in Electric Vehicles, System and Method Thereof	29-04-25	NITK	R Kalpana, Kiran R
221	IN202541041366	Polyurethane-90A Bio-Rubber Core in Brittle Basalt/Hemp/Nano-Clay Epoxy Laminates with Reduced Visible Impact Damage	29-04-25	NITK	Darshan M L, Ravi Shankar K S
222	IN202541047568	An Orbirect Inductive Coil Structure for Wireless Power Transfer (WPT) in Wireless Battery Charging Applications	17-05-25	NITK	Dharavath Kishan, Shubhankar Ghosh, Shubhang Chauhan, Lalitha Pai B, Kalpana R
223	IN202541048608	NiCo-MOF/Activated Carbon Electrocatalyst for Water Splitting	20-05-25	NITK	Mahesha P Nayak, Lavanya Rao V R., Badekai Ramachandra Bhat