



**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 & I) for further details.

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**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-Mar-09	NITK	Sripati Acharya, Myagmarbaya r 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-Dec-12	NITK	Dr Prasanna Belur Devarbhatta (In); Vinayaka Babu Shet (In); Shashikiran Ravikiran Hospet (In)
3	IN1586/CHE/2013	Biomass Gasifier Stove	08-Apr-13	NITK	Dr Kumar G N India (In); S Venkatesh Kamath India (In)
4	2999/CHE/2014	A Method for Synthesizing D-Perosamine	19-.06-2014	NITK	Arun M Isloor
5	IN2940/CHE/2015	Multiple Porous Draft Tube Spouted Bed Contactor	11-Jun-15	NITK	Dr D V R Murthy ; Rajashekhara S
6	IN6034/CHE/2015	A Solar Water Pumping System	07-Nov-15	NITK	Dr Venkatesaperumal B ; Dr Karthikeyan A ; Dr Parthiban P
7	IN201641000437	A System and A Method for Facilitating Service Selection In The Cloud	06-Jan-16	NITK	Santhanam Raghavan ; K Chandrasekaran
8	IN201641005231	Use Of Diacritical Marks for Speech Synthesis	15-Feb-16	NITK	Shashidhar G Koolagudi ; Pavan Kumar K Y ; Naveen K S
9	IN201641007122	Degraded Speech Recognition Using Signal Envelope	01-Mar-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-Mar-16	NITK	Dr Prasanna Belur Devarabhatta ; Dr Regupathi Iyyasami ; Ms Charanya Sampath ; Ms Vaisali Chandrasekar



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11	201641020393	Tilt Rotowing Mechanism for Uav Type Vtol	15-06-16		<b>Under Screening &amp; Classification</b>
12	IN201641022442	A System And Method For Designing Energy Aware Applications Using Unified Modeling Language (Uml)	30-Jun-16	NITK	Marimuthu C ; K Chandrasekaran
13	IN201641025735	Method And System For Dynamic Word Encoding And Compression Of Data	27-Jul-16	NITK	Ananthanarayana V S ; Sakthi Murugan R
14	IN201641025734	Method And Device For Determining Turbidity Levels In Water	27-Jul-16	NITK	Shashidhar G Koolagudi ; Mukund A (Bangalore, In); Rohit C (Bangalore, In); Pravin B Ramteke (Nagpur, In)
15	IN201641034429	System And Apparatus For Customizable Keyboard With Mouse	07-Oct-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-Oct-16	NITK	Dr B Venkatessaperumal ; Dr A Karthikeyan ; Mr M Arjun ; Mr Vanjari Venkata Ramana
17	IN201641038768	Automated Illizarov Apparatus	14-Nov-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-Nov-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-Nov-16	NITK	Dr R Kalpana ; Saravana Prakash P ; Bhim Singh ; G Bhuvaneswari



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20	IN201741000335	Method And Device For Sensorless Pmsm Drive	04-Jan-17	NITK	A Karthikeyan ; K K Prabhakaran ; B Venkatesaperumal
21	IN201741005384	Fabrication Of High Conductive Metallic Films At Low Temperature	15-Feb-17	NITK	Dr Saumen Mandal (In); Bikesh Gupta ; Pavan Pujar ; Komalakrishna Hadagalli ; Robbi Vivek Vardhan
22	IN201741009197	A Dynamic Voltage Restoration System For Weak Ac Grids And A Method Thereof	16-Mar-17	NITK	Dr A Karthikeyan ; Dr B Venkatesa Perumal ; D G Abhilash Krishna ; K K Prabhakaran
23	IN201741012202	A Nerve Trimming Kit	05-Apr-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-May-17	NITK	J Saikrishna Goud ; Dr R Kalpana ; Dr Bhim Singh
25	IN201741027226	Multi Material Structure With Controllable Multi Directional Property	01-Aug-17	NITK	Dr K V Gangadharan ; Rohit Rajpal ; Lijesh K P ; Arunkumar M P ; Susheel Kumar
26	IN201741032388	Active Mr Damper Control	13-Sep-17	NITK	Dr Hemantha Kumar ; Akshay Elangovan ; Dr V Sugumaran
27	IN201741035860	A Passive Leading Edge Micro Protuberance Strip	10-Oct-17	NITK	Dr Sathyabhama A ; Raghavendra S
28	IN201741044068	Bacterial Based Synthesis Of Core Shell Ago@Tio2 Nanoparticles For Photocatalytic Water Disinfection And Dye Degradation	08-Dec-17	NITK	Vidya Shetty K ; Afshan Kilpady ; Deekshitha
29	IN201741045083	Method And System For Preparing A Lanthanum Zirconiumoxide Based Dielectric Ink For Micro Electronics	15-Dec-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-Jan-18	NITK	Keyur Raval ; Vishnu M ; Raj Mohan Balakrishnan



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31	IN201841000694	Rotating Packed Disc Bioreactor	06-Jan-18	NITK	Keyur Raval ; Rohit Kalnake ; D V R Murthy
32	IN201841003526	Dual Fence With Tapered Trailing Edge For Turbine/Compressor Blade Passage	30-Jan-18	NITK	Anish S ; Kiran K N
33	IN201841008169	A Composition And Method Of Removal Of Heavy Metals From Contaminated Water	06-Mar-18	NITK	Smruthi G Prabhu ; G Srinikethan ; Smitha Hegde
34	IN201841010102	Swirl Generator For Human Arterial Network	20-Mar-18	NITK	Anish S ; Prashantha B
35	IN201841018816	Method, System And Apparatus For Upgrading Tyre Pyrolysis Oil	19-May-18	NITK	Saikat Dutta ; Akhil Mohan
36	IN201841028640	Solid Oxide Fuel Cell Anode Material As Soot Oxidation Catalyst	30-Jul-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-Sep-18	NITK	Pavan Pujar ; Komalakrushna Hadagalli ; Dipti Gupta ; Saumen Mandal (In)
38	IN201841038650	Transformer-Less Solar Photovoltaic Grid Connected Inverter	11-Oct-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-Dec-18	NITK	Chaitra S Shenoy ; Atmuri Shourya
40	IN201841047090	Method And Device For Life Estimation Of Li-Ion Battery	12-Dec-18	NITK	J Saikrishna Goud ; R Kalpana
41	IN201821047543	System For Material Beneficiation Involving Hydro-Squeeze Classifier Assisted Grinding Ball Mill	15-Dec-18	NITK	Mr Harish Hanumanthappa ; Dr Kaza Marutiram ; Dr Harsha Vardhan ; Dr Sah Rameshwar ; Mr Abhishek Kumar ; Mr Choudhury Arindam Roy ; Mr Naik Chaitanya
42	IN201841047554	Method, System And Apparatus For Arsenic Removal From Water Using Functionalized Melanin	15-Dec-18	NITK	Raj Mohan Balakrishnan ; Keyur Raval (Manipal, In); Vishnu M (Kollam, In)



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43	IN201821048990	Material Handling System For Screening Or Feeding Materials With High Screening And Energy Efficiency.	24-Dec-18	NITK	Mr Shanmugam Bharath Kumar ; Dr Kaza Marutiram ; Dr Harsha Vardhan ; Dr Sah Rameshwar ; Mr Choudhury Arindam Roy ; Mr Naveena Omkarappa ; Mr Nagaraju Venkategouda
44	IN201941009001	Method And System For Fabricating A Structure Using Additive Manufacturing Wastes Of C300 Maraging Steel	08-Mar-19	NITK	Raghul A ; Udaya Bhat K ; Sridhar Balaram
45	IN201941016783	A System And Method For Treating Sleep Apnoea	26-Apr-19	NITK	Dr Supriya Nambiar ; Dr K V Gangadharan ; Dr Collin Robert ; Vinayak V Gopal ; George Pius Kuriakose ; Gautham Sambath
46	IN201941018353	Variable Stiffness Magnetorheological Isolator	08-May-19	NITK	K V Gangadharan ; Kiran Katari
47	IN201941032006	Method, System And Apparatus For Accurate Run-Out Decision	07-Aug-19	NITK	Bhawana Rudra
48	IN201941033324	Method And System For Producing Elongated Grains In Wrought Metals With Superior Creep Resistance	19-Aug-19	NITK	Subray R Hegde ; Preetish Crimson Dsilva
49	IN201941033961	Industrial Thermocouples With Superior Creep Resistance	22-Aug-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	10-Sep-19	NITK	Santhosh K G Manikonda ; Ensemble Convolution Neural Networks Dattatraya N Gaonkar
51	IN201941040132	Method And System For Detecting Asymmetric Application Layer Ddos Attacks Based On User Access Patterns	03-Oct-19	NITK	P Santhi Thilagam ; Amit Praseed
52	IN201941044515	Method And System For Synthesis Of Electrode And	03-Nov-19	NITK	Aranganathan Viswanathan ; Adka Nityananda Shetty



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		Electrolyte Materials For High Energy Storage Devices			
53	IN201941047909	Method And Composition For Fabricating A High-K Dielectric Material	23-Nov-19	NITK	Jagannathan T K ; Kishor Kumar M J
54	IN202041006193	Direct Compaction Mould For Preparation Of Bitumen Bounded Fine Aggregate Matrix Specimen	13-Feb-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 Assurfactant	20-Feb-20	NITK	Saikat Dutta ; Sib Sankar Mal ; Sharath Bandibairanahalli Onkarappa ; Navya Subray Bhat
56	IN202041023873	A Travellers Optimum Route Recommendation System	08-Jun-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-Jun-20	NITK	Y Suresh ; Jammala Venkataramanaiah
58	IN202041028768	Method And System For Fabricating A Metallic Continuous Reinforced Composite	07-Jul-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-Nov-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-Nov-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-Nov-20	NITK	Debashisha Jena ; Gautham T N ; Reddiprasad Reddivari



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62	2020103341	AI Enabled Assistive Technology Development For Visually Impaired People Using Deep Learning	10-Nov-20	NITK	A John Rajan ; G N Naveen Kumar ; Ganesh N ; Gupta Charu ; M C Karthik Rao ; Malghan Rashmi L (In); Pattanaik Balachandra ; Pattnaik Manjula ; Subramani T ; T P Sanath Kumar ; Virmani Deepali ; Yadavalli Pavan Kumar
63	202041056808	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-Jan-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-Feb-21	NITK	Dr Navin Karanth P ; Antonio Dylan Do Rosario Carvalho ; Dr Vijay Desai
66	IN202141007885	A High-Performance Supercapacitor Device Of polyaniline-Triethyl Amine Ionic Liquid Combined phosphomolybdate Electrode And Method Thereof	24-Feb-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-Mar-21	NITK	Hemantha Kumar ; Pinjala Devikiran ; Puneet N P ; Tak Radhe Shyam
68	IN202141016581	A Composition For Reducing Acridity In Edible Aroid Corms And A Method Of Preparing Edible Aroid Corms With Reduced Acridity	08-Apr-21	NITK	Prasanna Belur Devarabhata ; Moni Philip Jacob K
69	IN202141016770	A Method And System For Global Peak Detection Under	09-Apr-21	NITK	Vignesh Kumar V ; B Venkatesaperumal ; Ragavendra Rao P



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		Non-Uniform Insolation Conditions			
70	IN202141018525	Frustrum Tension-Leg Platform For Floating Wind Turbine	22-Apr-21	NITK	Debabrata Karmakar ; Rony J S
71	AU2021102416	Method For Evolution of Probability Distribution Function of Shovelâ€“Dumper Combination In Opencast Coal Mine	08-May-21	NITK	Choudhary R P ; Kumar N S Harish ; Murthy Ch S N
72	IN202141023698	Smart Electric Vehicle Charging Station	27-May-21	NITK	Bonthapalle Dastagiri Reddy
73	IN202141025360	Text To Graph Convertor	08-Jun-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-Jun-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-Jun-21	NITK	Arun M Isloor ; Mithun Kumar ; Somasekhara Rao Todeti
76	IN202141032871	Reconfigurable Triple-Band On-Chip Nano Antenna For Terahertz Applications	21-Jul-21	NITK	Sandeep Kumar, Hanjung Song, Prabu K., Shyam Lal
77	IN202141035597	A Hollow Fiber Ultrafiltration Membrane	06-Aug-21	NITK	Arun M Isloor, Mithun Kumar, Chandrashekar M. Nayak, Somasekhara Rao Todeti
78	IN202141035520	A Ph-Sensitive Topical Wound Healing Hydrogel	06-Aug-21	NITK	P. E. Jagadeesh Babu, Diksha Sharma, Raj Mohan B.
79	202141035822	A Method of Preparing Low Temperature Stabilized High Entropy High- $\kappa$ Oxides	09-08-2021	NITK	Ashritha Salian, Saumen Mandal
80	IN202141037148	A Torsional Vibration Isolator Based On Shear Mode Operation	17-Aug-21	NITK	Subhasankar Dwibedi, Praveen Shenoy K., Ganghadharan K. V.



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81	IN202141039927	A System And Method For An Authentication And Fraud Detection	03-Sep-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 Water Purifier Comprising Thereof	20-Sep-21	NITK	M Isloor, Arun
83	IN202141048958	An Ultrafiltration Membrane Comprising Hydrophilic Polymeric Microspheres For Protein Rejection	26-Oct-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-Dec-21	NITK	Yellasiri Suresh ; Bhukya Nageswar Rao (Khammam, In); Banavath Shiva Naik (Kurnool, In)
85	IN202141056310	A Switched Capacitor Based Boost Multilevel Inverter And Its Hybridization	04-Dec-21	NITK	Yellasiri Suresh ; Banavath Shiva Naik (Kurnool, In); Bhukya Nageswar Rao (Khammam, In)
86	IN202141056309	Method, System And Apparatus For Charging An Electric Vehicle	04-Dec-21	NITK	Dharavath Kishan (Mahabubabad, In); Bonthapalle Dastagiri Reddy (In)
87	IN202141056308	Satvote: Secure Remote Voting System Using Blockchain And Satellite Communication	04-Dec-21	NITK	Sourav Kanti Addya ; Urvesh Rathod (Mumbai, In); Shashidhar G Koolagudi
88	IN202241003127	A Process For Synthesizing Ionic Polymer Nanoparticles And A Hydrophilic Nanocomposite Ultrafiltration (UF) Membrane	19-Jan-22	NITK	Arun Mohan Isloor ; Syed Ibrahim Gnani Peer Mohamed
89	IN202241004255	Method, System And Apparatus For Universal Motor Drive Cum Charging Of An Electric Vehicle	25-Jan-22	NITK	Prajof P (Mangalore, In); Bonthapalle Dastagiri Reddy (In)
90	IN202241008785	Ev Battery Pack With Voltage Balancing Features	19-Feb-22	NITK	Prajof P (Mangalore, In); Nithin Raj (Kottayam, In)
91	IN202241008784	Method, System And Apparatus For Automated Diagnosis Of Mycotic Keratitis	19-Feb-22	NITK	Sowmya Kamath S (In); Veena Mayya (In); Krishnananda Prabhu



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					Karadka (Karad, In); Manali Hazarika (Manipal, In)
92	IN202241010501	Separation Tube For Investigating Storage Stability Of Modified Asphalt Binder	25-Feb-22	NITK	Hemanth Kumar V (Shimoga, In); Suresha Subbarao Nagabhushanarao
93	IN202241010082	A Single-Step Method For Production Of Magnetorheological (MR) Fluid Using Spark Discharge Technique	25-Feb-22	NITK	Pinjala Devikiran ; Puneet N P ; Tak Radhe Shyam Saini ; Ranjeet Kumar Sahu ; Hemantha Kumar
94	IN202241012215	Ultrafiltration Membrane	07-Mar-22	NITK	Arun Mohan Isloor ; M Chandra Shekhar Nayak
95	IN202241012406	A Compact Isolated Dc/Dc Multiport Converter To Interface Multiple Sources, Loads And Energy Storage Devices	07-Mar-22	NITK	Nagendrappa H ; Adarsh S (Manipal, In)
96	IN202241012056	Method And System For Major Event Detection In A Power System	07-Mar-22	NITK	Tukaram Moger ; Sagar Dipesh Dahanuwala (Mumbai, In); Prathamesh Gachhi (Shahapur, In); Teena Johnson (Mysore, In); Abhinandan M Pathak (In); Shantanu Arya (Mumbai, In)
97	IN202241018909	Method For Detecting Hybrid Islanding Based On Lissajous Patterns For Microgrids	30-Mar-22	NITK	Subhradip Mondal ; Pritam Kumar Gayen (Kalyan, In); Dattatraya Narayan Gaonkar
98	IN202241018908	Smart Landing Gear Wheel For A Fixed Wing Aircraft	30-Mar-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-Apr-22	NITK	Nagaraj K ; A Nityananda Shetty ; Darshak R Trivedi
100	IN202241022916	A Portable Household Micro Bio-Diesel Reactor	19-Apr-22	NITK	N Gnanasekaran ; G Narendran



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101	IN202241027167	Method To Determine And Differentiate Inorganic Arsenic Ions (Arsenite, As <sup>3+</sup> And Arsenate As <sup>5+</sup> ) And A Method Of Synthesis Of Receptor R	11-May-22	NITK	Nagaraj K ; A Nityananda Shetty ; Darshak R Trivedi
102	IN202241027415	Pozzolan Based Battery System With Microbial Activity	12-May-22	NITK	T Palanisamy ; Arjun S
103	IN202241027416	Method And System For Energy Trading In Networked Microgrids Using Matching Theory	12-May-22	NITK	Biji Varghese K V ; Dattatraya Narayan Gaonkar
104	IN202241031219	A Pneumcapsulator Device For Preparing Bactoperl	31-May-22	NITK	T Palanisamy (Mangalore, In); Basil Baby
105	IN202211039377	Assistance Device For Visually And Hearing-Impaired Person	08-Jul-22	NITK	Mr Vipin Sharma (Meerut, In); Mr Sandeep Kumar ; Mr Krishna Pandey (Kurukshetra, In); Ms Sapna Katiyar (Noida, In); Mr Rachit Patel (Ghaziabad, In)
106	IN202241041711	A Method For Forming A Magnetic Mixed Ferrite Graphene Nanocomposite	21-Jul-22	NITK	Anuma Saroja (Godavari, In); Praveen Mishra (In); Badekai Ramachandra Bhat (Kannada, In)
107	IN202241046349	An Integrated Charger-Cum-Motor-Drive Power Converter With Dual Energy Storage System	16-Aug-22	NITK	Vivek Kumar (Giridih, In); Prajof P (Kalyan, In); Bonthapalle Dastagiri Reddy (In)
108	IN202241047519	Smart Integrated Iot And Ml Based Safety System For Monitoring Elderly Wandering People	21-Aug-22	NITK	Mr Harisha K S (Haveri, In); Mr Sandeep Prabhu M (Mangalore, In); Dr Sheetal Nandanwar (Sangli, In); Dr Parismita Sarma (Guwahati, In); Ms Susmita Das (Kolkata, In); Mr Anil S Naik ; Mr S Premkumar (Noida, In); Dr Vaishali N Agme (Mumbai, In)



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109	IN202241047924	Method, System And Apparatus For Forecasting Solar Irradiance On Photovoltaic Panels	23-Aug-22	NITK	Vinatha U ; Aditya Chandrasekar (In); Ajeya K (Kodagu, In)
110	IN202241057878	A System For Operating An Exoskeleton With A Novel Pronation Supination Mechanism	10-Oct-22	NITK	Navin Karanth P (In); Vijay Desai (In); Antonio Dylan Do Rosario Carvalho (Goa, In)
111	IN202241062463	Method, System And Apparatus For Floating Breakwater Integrated Wave-Energy Power Generation	02-Nov-22	NITK	Debabrata Karmakar, Shivakumar B. Patil
112	IN202241062462	Multiport High Gain Power Converter With Active Power Decoupling And Its Operating Method Thereof	02-Nov-22	NITK	Muthumula Rama Narayana Reddy (In); Bonthapalle Dastagiri Reddy (In); Prajof P (Kalyan, In); Dharavath Kishan (Mahabubabad, In)
113	IN202241067841	Channel Codes For Enhancing Integrity Of Information Storage In NAND Flash Memories	25-Nov-22	NITK	U. Shripathi Acharya, Pathipati Srihari, Achala G.
114	IN202241069622	Transesterification Of Isohexides Under Solvent-Free Conditions	02-Dec-22	NITK	Navya Subray Bhat, Saikat Dutta, Kartick Tarafder, Nivedha Vinod
115	IN202241072549	System And Method For Designing Microheater Achieving High Temperature Uniformity	15-Dec-22	NITK	N. Ramshanker, Kolla Lakshmi Ganapathi, Mohan Sangeneni, M. Shankaranarayana Bhat
116	202341006810	A Process For Preparing Edible Betel Nuts With Reduced Arecoline Content From Areca Nuts And The Dearecolinated Betel Nuts Produced Therefrom	02-02-2023		Prasanna Belur Devarabhata, Regupathi Iyyasami, Ankita Dutta
117	202341011781	Compounds As Anticancer Agent And A Process For Preparation Thereof	21-02-2023		Arun M Isloor, Satyanarayana D S., Debashree Chakraborty
118	IN202341013037	Open Switch Fault Detection Method For Transformerless Photovoltaic Inverter	27-Feb-23	NITK	Md Waseem Ahmad (In); Muhammed Ramees M K P (Kannur, In); Mohamed Nadir N (Trivandrum, In)



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119	IN202341014271	Polyoxometalates Solution For Removing Corrosion From A Corroded Metal Surface And A Method Thereof	03-Mar-23	NITK	Sib Sankar Mal (Konch, In); Muhammed Anees P K (Malappuram, In)
120	IN202341014270	Dynamic Kite Area-Based Take-Off And Landing Device For Power Kites	03-Mar-23	NITK	Yashwant Kashyap ; Roystan Vijay Castelino (Karkala, In)
121	IN202341017600	Ground-Based Power Kite Controller	16-Mar-23	NITK	Yashwant Kashyap ; Roystan Vijay Castelino (Karkala, In)
122	IN202341029597	System And Device For Swapping Battery In Kite Power Generation	24-Apr-23	NITK	Yashwant Kashyap ; Manjunatha Sharma K ; Roystan Vijay Castelino (Karkala, In)
123	IN202341029596	A Highly Efficient Antimicrobial Copper Oxide Films For Bacterial Infections	24-Apr-23	NITK	Naveen Bharadishettar (Dharwad, In); Udaya Bhat K (Mangalore, In)
124	IN202341033747	A Non-Isolated Multi-Port Interleaved Bipolar Bidirectional Converter For EV Charging In Bipolar DC Grid	13-May-23	NITK	Nisha K S (Thrissur, In); Dattatraya Narayan Gaonkar (Mangalore, In); Jayalakshmi N S (In)
125	IN202341033746	Normally Off Ga <sub>2</sub> O <sub>3</sub> On Insulator Junction Less Drain Extended Field Effect Transistor	13-May-23	NITK	Nikhil K S (Thiruvananthapuram, In); Manukrishna V R (Thiruvananthapuram, In)
126	IN202341033749	Machining Vibration Damping Device, System, And Method Thereof	13-May-23	NITK	Suhas S Aralikatti (Dharwad, In); Hemantha Kumar
127	IN202341033748	Bioleached Iron As A Catalyst For Fenton's Oxidation Process	13-May-23	NITK	Basavaraju Manu ; Bhaskar S (Mandya, In)
128	IN202341039959	Kite Power Emulator	12-Jun-23	NITK	Yashwant Kashyap ; Manjunatha Sharma K ; Roystan Vijay Castelino (Karkala, In)
129	202341039960	A Non-Mobile Based Dedicated Portable Device to Indicate theChange in Price of Cryptocurrency	12-06-2023	NITK	V S S K R Naganjaneyulu Gudapati, Adapa Venkata Narasimhadhan, Guddeti Prashanth, Katkuri Sai Vikas, Kokkerala Adithya, Gumpula Rohith



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					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-Jun-23	NITK	Dr T Sheela ; Dr Himanshu Singh ; Dr Mirza Shafi Shahsavar ; Dr H Krishna Ram ; Mr Jai Kishan Singh ; Sunil Kumar S ; Saniya Bhalerao ; Dr Belsam Jeba Ananth M ; Mithun Dsouza ; Dr Navya H ; Mr Annam Karthik Dr Harikumar Pallathadka
131	IN202341041830	System And Method For Additive Manufacturing Of Metallic Composites By Friction	23-Jun-23	NITK	Praveen T R (In); Arun Kumar Shettigar
132	IN202341041829	Method For Synthesizing And Preparing Metal Complexes By Way Of Schiff Base Ligand	23-Jun-23	NITK	Rasheeda Maqbool Ansari (Bhiwandi, In); Dileep R (In); Badekai Ramachandra Bhat (Kannada, In)
133	IN202341041828	Metal Chalcogenide-Based Nanoalloy Compositions For Seawater Splitting And Method Thereof	23-Jun-23	NITK	John D Rodney (Chennai, In); Sindhur Umamaheshwar Joshi (In); Udayashankar N K (Kannada, In); Badekai Ramachandra Bhat (Kannada, In); Lavanya Rao (Kannada, In); S Deepapriya (In); C Justin Raj (In)
134	IN202341044002	Multi-Mode Converter System For Electric Vehicles	30-Jun-23	NITK	Gutti Om Suraj (Prakasam, In); Muthumula Rama Narayana Reddy (In); Vivek Kumar (Giridih, In); Prajof P (Bangalore, In); Bonthapalle Dastagiri Reddy (In)
135	IN202341045189	Wireless Electric Vehicle Battery Charger With Wide Output Voltage Range	05-Jul-23	NITK	Dharavath Kishan (Mahabubabad, In); Nitishkumar (Raichur, In); Marupuru Vinod



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					(Nellore, In); Md Waseem Ahmad (In); Bonthapalledastagiri Reddy (In)
136	IN202341045190	System And Method For Forecasting Photo Voltaic Power Generation	05-Jul-23	NITK	Dattatraya Narayan Gaonkar (In); Yashwant Kashyap ; Roystan Vijay Castelino (Karkala, In); Anil Kumar (Vaishali, In)
137	IN202341047371	A High Gain Fully Isolated DC/DC Multiport Converter To Interface Multiple Sources, Loads And Energy Storage Devices	13-Jul-23	NITK	Nagendrappa H ; Adarsh S (Manipal, In)
138	IN202341048198	Universal Hybrid Energy Management Controller For Electric Vehicle With Emulator	18-Jul-23	NITK	Yashwant Kashyap ; Vishnu Sidharthan P (Thrissur, In); Roystan Vijay Castelino (Karkala, In)
139	IN202341049595	Method Of Extracting Intracellular (Ri) And Extracellular (Re) Resistance From A Multi Frequency Bioimpedance Spectroscopy	22-Jul-23	NITK	Karma Wangda ; Ashish Jain (Np)
140	IN202341051346	Sit To Stand And Stand To Sit Assisting Device And Method Thereof	31-Jul-23	NITK	Khyati Verma (Fatehpur, In); Subodh Kumar Suman (Muzaffarpur, In)
141	202341052223	Optimized Proportion for Producing Fly ash Based Coarse Aggregates Integrated with Iron Ore Tailings	03-08-2023	NITK	Bibhuti Bhusan Das ; B P Sharath
142	IN202341058071	High-Gain Direct Current To Direct Currentconverter With Reduced Component Count	30-Aug-23	NITK	Prajof P (Bangalore, In); Sunil Mandal (Parganas, In)
143	IN202341058070	A Composition For Production Of Fly Ash Based Pelletized Aggregateswith Burnt Lime	30-Aug-23	NITK	Bibhuti Bhusan Das ; B P Sharath
144	IN202341059720	A Non-Isolated Ultra-High-Gain Dc-Dc Converter With Widevoltage Conversion Ratio	05-Sep-23	NITK	Arun Dominic D (In); Prajof P (Bangalore, In); Sunil Mandal (Parganas, In); Sourav Prasad (Lucknow, In)



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145	IN202341062747	Convoy Vehicle Identification And Authenticationsystem And Method Thereof	19-Sep-23	NITK	Bhawana Rudra (In); Sarvesh V Sawant (Goa, In)
146	IN202341065174	A System And Method For Tomato And Potato Plant Leaf Disease Detection	28-Sep-23	NITK	Gururaj Sunkad (Raichur, In); Venkat Reddy Sangam (Hyderabad, In); Christudas Philipose (Hyderabad, In); Manoj A Patil (In); B M Dodamani (In); Manohar M (In); C Laxuman (In); Khyamling Parane
147	IN202341068137	Method For Producing Chitin-Degrading Enzymes Andchitin Oligomers By Way Of Bacillus Aryabhatai	11-Oct-23	NITK	S Arun Kumar (Sivakasi, In); Ritu Raval (Manipal, In); Keyur Raval (Manipal, In)
148	IN202341068136	An Optimized Fuzzy Based Switching System For Nine-Level Cascaded H- Bridge (Chb) Inverter	11-Oct-23	NITK	Yellasiri Suresh ; Kancharapu Aditya (Visakhapatn Am, In); Banavath Shivanaik (Kurnool, In); M Vijay Kumar (In)
149	IN202341068138	A Hybrid Dual Boost Multilevel Inverter	11-Oct-23	NITK	Yellasiri Suresh ; Kancharapu Aditya ; Banavath Shivanaik
150	IN202341068135	Method For De-Emulsions	11-Oct-23	NITK	Basavaraju Manu, Surya Nair K, Adani Azhoni (Imphal, I
151	IN202341069025	Simultaneous Partitioning Of Multiplebioactive Compounds From The Crude Extract	13-Oct-23	NITK	I Regupathi (Mangalore, In); Chaitra Chandrakant Shanbhag (Bangalore, In); Prassanna B D (Mangalore, In); Prajna Rao K
152	IN202341069373	Artificial Intelligence-Based Diagnostic System For Early Detection Of Diseases	14-Oct-23	NITK	Dr K Chandrasekaran ; Dr M Venkatesan (Karaikal, In); Dr P



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					Prabhavathy (Vellore, In)
153	IN202341071657	Chromogenic Probe For Selective Ratiometric detection Of Arsenite And Method Of Synthesis Of the Probe P	20-Oct-23	NITK	Nagaraj K ; A Nityananda Shetty ; Darshak R Trivedi
154	202341078297	A Nanofiltration Membrane And A Process Of Preparing The Membrane Thereof	17-11-2023	NITK	Arun M. Isloor, Pallavi Kandlaje Chandrashekhara Upadhyaya
155	202341089725	Method Of Detection Of Arsenite Ions	29-12-2023	NITK	Nagaraj K., A. Nityananda Shetty, Darshak R. Trivedi
156	202441040630	A Method Of Fabricating Electrochemical Energy Storage Device	24-05-2024	NTK	Aranganathan Viswanathan, Aravindan Vanchiappan, Adka Nityananda Shetty
157	202341079318	Method Of Developing Pseudomonas Stutzeri Immobilized Rice Husk Biochar	22-11-2023	NITK	Vaishakh Nair, Soumya Koippully Manikandan, Keyur Raval
158	202341084995	Torque Measurement System and Method for Torque-Controlled Motor Drives	13-12-2023	NITK	P Krishna Reddy (EEE), P Parthiban (EEE), J Santhosh Reddy (EEE)
159	202341090176	Universal Wireless Battery Charger to Charge Different Voltage Range Batteries	30-12-2023	NITK	Marupura Vinod (AP, In), Dharavath Kishan (EEE), Bonthapalle Dastagiri Reddy
160	202441002086	Optimized Proportion For Producing Fly Ash Based Coarse Aggregates Integrated With Copper Ore Tailings	11-01-2024	NITK	Bibhuti Bhusan Das (Civil), B. P. Sharath (RS, Civil)
161	202441002397	N-(3-fluoro-[1,1'-biphenyl]-4-yl)-2-(piperazin-1-yl) Acetamide and Method of Preparation Thereof	12-01-2024	NITK	Rajkumar Reddyrajula (Te, In), Udaya Kumar Dalimba



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162	202441007897	Process Of Deriving Porous Graphitic Carbon For High-Performance Supercapacitors From Biomass Waste	06-02-2024	NITK	Shreeganesh Subraya Hegde, Badekai Ramachandra Bhat
163	202441009279	Stone Matrix Asphalt (Sma) Mixes With Areca Fibres	12-02-2024	NITK	A U Ravishankar, Raghuram K. Chinnabhandar
164	202441013799	Process Of Obtaining Meso-Thienyl/Furyl Substituted Azo-Porphyrins By Chemical Synthesis	26-02-2024	NITK	Vijayendra S Shetti, Sahana Nagesh Shet
165	202441016635	Sequential Batch Bioleaching Process Employing Alcaligenes Aquatilis And Chromobacterium Violaceum	07-03-2024	NITK	Minimol M., Vidya Shetty K., M. B. Saidutta
166	202441019516	Chitosan-Neem Gum Nanocomposite Film and Method of Preparation Thereof	16-03-2024	NITK	Vishnu Saman, Maneesh Kumar Poddar, Keyur Raval
167	202441023348	Single-Line Kite power Control System with On-Air Motorized Controller	25-03-2024	NITK	Yashwant Kashyap, Roystan Vijay Castelino, Manjunatha Sharma K.
168	202441027163	A Process of Preparing an Ultraviolet (UV) Protective Coating from Marine Food Bio-Waste Materials	02-04-2024	NITK	Mahin Saif Nowl, Ambili V., Santhra Krishnan P., Saumen Mandal, Harshitha N Anchan, Saikat Dutta
169	202441030042	Process Of Deriving Activated Carbon From Dead Mangifera Indica Leaf Waste For Highperformance Supercapacitor	13-04-2024	NITK	Shreeganesh Subraya Hegde, Badekai Ramachandra Bhat
170	202441030043	Process Of Preparing Cocos Nucifera Wastederived Highsurface Carbon And Selection Of Electrolyte Concentration For Green Energy Storage Device	13-04-2024	NITK	Shreeganesh Subraya Hegde, Badekai Ramachandra Bhat



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171	202441031389	Humovascomimetic Livingcrete	19-04-2024	NITK	T. Palanisamy, Anoop P. P.
172	202441031388	Method for Developing Tsunami-Resilient Rubble Mound Breakwaters with Geosynthetics	19-04-2024	NITK	Babloo Chaudhary, Manu K. Sajan
173	202441036272	TiO <sub>2</sub> @ZIF-67 Incorporated PVDF Membranes for the Removal of Hazardous Reactive Black 5 and Congo Red dyes from Water	07-05-2024	NITK	Arun M. Isloor, Nethravathi Prabhakar
174	202441036273	Novel Technique for Seismic Resilience Enhancement of Rubble Mound Breakwater through Reinforcing Element Integration	07-05-2024	NITK	Babloo Chaudhary, Akarsh P. K.
175	202441036271	Synthesis of Spherical Hybrid Nanoparticle using Non-traditional Micro Grinding (NTMG) Technique	07-05-2024	NITK	Akash Korgal, Arun Kumar Shettigar, Navin Karanth P., Shrivathsa T. V.
176	202441036270	Effective Removal of Hazardous Atrazine and Chlorpyrifos by Waste-Derived Linker having Novel MIL-53 (Aluminium) / PMMA-Nanofiber Incorporated PVDF Membranes	07-05-2024	NITK	Arun M. Isloor, Nethravathi Prabhakar
177	202441036581	Septon Semi-submersible Platform for Marine Renewable Energy Conversion	09-05-2024	NITK	Binoy Sebastian, Debabrata Karmakar, Manu
178	202441042240	An Iot-Enabled Real-Time Early Warning Hazard Monitoring System For Underground Mine Environmental Parameters	30-05-2024	NITK	Sandi Kumar Reddy, Anil S Naik, M. Aruna, Mandela Govinda Raj
179	202441042715	Precision Temperature-Controlled Mixer with Interchangeable Mixing Blades and a Circumferential heating system	01-06-2024	NITK	Raviraj H. Mulangi, A. U. Ravi Shankar, Yatish R. G.



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180	202441042717	ADAS with Real-Time Obstacles Detection for Identifying Breaker Points and Method Thereof	01-06-2024	NITK	Yashwant Kashyap, Siddhant Patel
181	202441042716	A Method Of Green Synthesis Of Zwitterionic Polymeric Nanoparticles	01-06-2024	NITK	Arun M. Isloor, Nidhi Regina Mendonca
182	202441043802	The Process of Detecting the Dengue Virus Using an Ultrasensitive High-Surface Porous Carbon-Based Electrochemical Biosensor	06-06-2024	NITK	Badekai Ramachandra Bhat, Shreeganesh Subray Hegde
183	202441046342	Method of Synthesising Graphene Oxide Nanocomposite	15-06-2024	NITK	P.E. Jagadeesh Babu, Atul Vasant Sawale
184	202441052188	Transitional Metal-Doped Ceria-Praseodymium Based Nanofiber Catalysts Synthesised Via Electrospinning Technique For Diesel Soot Oxidation	08-07-2024	NITK	Hari Prasad Dasari, Sunaina S Patil
185	202441052187	Intelligent Prediction System for Coronary Artery Disease with the Application of Multi-Dimensional Approach	08-07-2024	NITK	Shrikantha S Rao, Navin Karanth P., Shrivathsa T.V., Arun Kumar Shettigar, Akash Korgal
186	202441053139	LAMOX Materials as Soot Oxidation Catalysts for Diesel Particulate Filters	11-07-2024	NITK	Hari Prasad Dasari, Sunaina S Patil, M.B.Saidutta, Ashmita Das, Anugraha Renny
187	202441053282	Fly Ash-Based composite composition for Thermal insulation And method For Preparing The fly Ash Based Composite Composition	12-07-2024	NITK	Nagarjuna Chavana, Sudhakar C Jambagi
188	202441055008	Method For synthesizing Nanocomposite coating Having copper Oxide (CuO) Nanoparticles	18-07-2024	NITK	Ramesh M R., Prakash Kumar, Mrityunjay Doddamani, Gajanan Anne, Aditya Kudva S.



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189	202441058465	L-shaped Floating Oscillating Water Column Wave Energy Converter system and Method Thereof	01-08-2024	NITK	Manu, Harikrishnan T.A.
190	202441058464	Gabion Reinforced Rubble Mound Breakwater for Tsunami Mitigation and Method Thereof	01-08-2024	NITK	Babloo Chaudhary, Manu S. Sajan
191	202441058463	Geogrid Reinforced Rubble Mound Breakwater To Mitigate Tsunamiinduced Damages And Method Thereof	01-08-2024	NITK	Babloo Chaudhary, Manu S. Sajan
192	202441065260	A Process of Mechanized Fabrication of Geocell from Jute fabric	29-08-2024	NITK	Dr. Sreevalsa Kolathayar (Application Not Yet Published)
193	202441066431	Multi-High Gain Multiport DC-DC Converter for Integrating Renewable Energy Sources with MPPT to DC Grids	02-09-2024	NITK	N. Manikanteswara Reddy, Bonthapalle Dastagiri Reddy
194	202441071104	Process ofSynthesis ofCompositeMaterial byUpcycling MillScale Wastefor BinderFunctionalityand CarbonSequestration	20-09-2024	NITK	T. Palanisamy, Niveditha M.
195	202441076845	A Device forSlopeVulnerability andLand-SlideAssessment (S-VALSA)	10-10-2024	NITK	Varun Menon O., Sreevalsa Kolathayar
196	202441076844	Hybrid OffshoreRenewableEnergyIntegr ated Semi-SubmersiblePlatform	10-10-2024	NITK	Binoy Sebastian, Debabrata Karmakar
197	202441079522	Hydroxyapatite-based Composite for Coating Implants and Method thereof	19-10-2024	NITK	Deep Shankar, Sudhakar C. Jambagi
198	202441082120	A Method Of Preparing Low Temperature Processed Ni-Ti-Tic Eutectic Cermet	28-10-2024	NITK	Lakkimsetti Lakshmi Praveen, Juvva Srinithya, Soorya G., Saumen Mandal



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199	202441082121	Automatic Path Planning System for Mobile Vehicle with Robot using Ultra-Wide Band and Method thereof	28-10-2024	NITK	Arun Kumar Shettigar, Gajula Raj Kumar, Navin Karanth P., Shrikantha S Rao, Mervin A Herbert
200	202441084937	A Non-Enzymatic Biosensor for Cholesterol Measuring	06-11-2024	NITK	Badekai Ramachandra Bhat, Lavanya Rao V. R.
201	202441094055	A Method For Preparing Microbial Healing Composition	30-11-2024	NITK	T. Palanisamy, Anoop P P
202	202441095917	A Micro-Scalepore Pressure measuring device	05-12-2024	NITK	Varun Menon O, Sreevalsa Kolathayar
203	202441095918	Single Sensor-Based Control and Fault Detection in Transformerless PV Inverters and Method Thereof	05-12-2024	NITK	Md Waseem Ahmad, Ravi Raushan, Muhammed Ramees M K P, Md Sartaj Ahmed
204	202441099810	Formation of Calcite Polymorph using Bactospore	17-12-2024	NITK	T. Palanisamy, Preeti Chaudhary
205	202541000958	Method of Obtaining Pavement Base Layers Using FCA (Ferrochrome Aggregates) and RCA (Recycled Concrete Aggregates)	04-01-2025	NITK	Raviraj H. Mulangi, A U Ravi Shankar, Kondeti Chiranjeevi
206	202541000959	A Single-Stage Five-Level Common Ground Switched-Capacitor-Based Transformerless Inverter	04-01-2025	NITK	Ravi Raushan, Md Waseem Ahmad, Md Sartaj Ahmed
207	202541004383	A Method of Formulating Colloidal Boron Quantum Dots Dispersion in Glycerol for Gas-Sensing Application	20-01-2025	NITK	Lakkimsetti Lakshmi Praveen, Harsha Satija, Shagun Kumar, Saumen Mandal



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208	202541008003	Compressive Sensing Based Compressor for Wireless Capsule Endoscopy and Method thereof	30-01-2025	NITK	Aparna P, Krishna Kumar P, Sandeep Kumar
209	202541009378	Bio-inspired Helicoidal Structured Basalt /Hemp/ Polyurethane Rubber Sandwich Bio-composites.	05-02-2025	NITK	Darshan M L, Ravi Shankar K S
210	202541014693	Double-WrappedFace GeogridReinforced RubbleMound Breakwaterto MitigateEarthquake-Induced Damageand MethodThereof	20-02-2025	NITK	Babloo Chaudhary, Akarsh P K
211	202541029106	A Smart Coir Geomat for Engineering Applications	27-03-2025	NITK	Varun Menon O, Sreevalsa Kolathayar
212	202541029108	Extended Voltage Operation And Power Decoupling In Photovoltaic Inverter	27-03-2025	NITK	Md Waseem Ahmad, Ravi Raushan, Argha Mukherjee, Muhammed Ramees M K P, Md Sartaj Ahmed
213	202541029107	An Automated Ergonogauge Device For Measuring Three-Dimensional Spatial Data	27-03-2025	NITK	Dr. Khyati Verma, Dr. Siddharth R, Dr. Ajay Rai E, Raghavendra Pandurang Jadhav, Dhiren V Bhandary, Dr. Gangadharan K V, Dr. Rohan Mascarenhas
214	202541032533	Orthodontic Appliances to Prevent Tongue Thrusting Habit	02-04-2025	NITK	Dr. Priyalakshmi, Dr. Khyati Verma, Dhiren V Bhandary, Raghavendra Pandurang Jadhav, Dr. Gangadharan K V, Dr. Praveena Shetty, Dr Greeshma Kannan
215	202541032535	Self-Sampling Cup for Pap (or PapSmear) and Human Papillomavirus(HPV) Testing	02-04-2025	NITK	Dr. Khyati Verma, Dr. Rajeev Aravindakshan, Vedangi Nishane, Dr. B R Jayalekshmi, Dr K. V.Gangadharan



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216	202541032534	CIRCADIAN SYNC: A NON- INVASIVE, REAL-TIME FATIGUE AND COGNITIVE PERFORMANCE MONITORING SYSTEM	02-04-2025	NITK	Bhawana Rudra, Sahjanya Srikanth, Mohammed Sameer Ahmed
217	202541032532	Fabrication of Polysulfone Based Hollow Fiber Membrane for Dye Removal Application	02-04-2025	NITK	Arun M. Isloor, Sooraj S. Nayak
218	202541035369	Fabrication of LowTemperaturePhase- StabilizedHigh-EntropySpinel Oxide forGas SensingApplication	11-04-2025	NITK	Lakkimsetti Lakshmi Praveen, Bhumika Upadhyay, Saumen Mandal
219	202541038488	Entanglement-based Asymmetric Quantum Error Correction System and Method Thereof	22-04-2025	NITK	Bhawana Rudra, Mummadi Swathi
220	202541041367	Hybrid Cell Balancing-Based ThermalManagement System for Lithium-Ion BatteryPacks in Electric Vehicles, System and MethodThereof	29-04-2025	NITK	R Kalpana, Kiran R
221	202541041366	Polyurethane-90A Bio-Rubber Core in BrittleBasalt/Hemp/Nano-Clay Epoxy Laminates withreduced Visible Impact Damage	29-04-2025	NITK	Darshan M L, Ravi Shankar K S
222	202541047568	An Orbirect Inductive Coil Structure for Wireless PowerTransfer (WPT) inWireless Battery Charging Applications	17-05-2025	NITK	Dharavath Kishan, Shubhankar Ghosh, Shubhang Chauhan, Lalitha Pai B, Kalpana R
223	202541048608	NiCo-MOF/Activated Carbon Electrocatalyst for Water Splitting	20-05-2025	NITK	Mahesha P Nayak, Lavanya Rao V R., Badekai Ramachandra Bhat
224	202541055044	TiO <sub>2</sub> Modified with Copper Oxide Nanocomposite for Photocatalytic Degradation of Ciprofloxacin and Method Thereof	07-06-2025	NITK	Vidya Shetty K., Preethi



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225	202541062161	Biosorb Fuel Refinement Process	30-06-2025	NITK	T Gopikrishnan Kailas, Akash AR, Saikat Dutta, Vasudeva Madav
226	202541063595	Smart Tuneable Bellow Ferromagnetic Elastomer Isolator (STBFEI)	03-07-2025	NITK	K V Gangadharan, Katari Kiran, Chaitanya Aundhekar
227	202541063596	Smart Tunable Vibration Isolator using Electromagnetic Spring Locking and Magnetorheological Elastomer Damping System	03-07-2025	NITK	K V Gangadharan, Katari Kiran, Abhinava Karaba
228	202541063597	A Dual Metal-Organic Framework Composite Incorporated Polyethersulfone Hollow Fiber Membrane for the Elimination of Microplastics through Cross-Flow Ultrafiltration Process	03-07-2025	NITK	Arun M Isloor, Muttanna Venkatesh
229	202541065783	IOT-Based Energy Generation and Monitoring System for Solar Power Optimization and Predictive Maintenance	10-07-2025	NITK	Bojja Shiva Kumar, Bijay Mihir Kunar
230	202541070075	System and Method for Identifying a Speaker's Native Language from Second or Third Language Speech	23-07-2025	NITK	Shashidhar G Koolagudi, Spoothy U., Sourav Kanti Addya, Shreyansh Shrivastava, Tushar Dubey, Souhard Kataria
231	202541073958	Bacteria-Based Twin Coated Bio-Healing Beads	04-08-2025	NITK	T. Palanisamy, Anoop P. P.
232	202541077461	Commutation Pulse Interchanging Control Technique for Braking of Fault-Tolerant Switched Reluctance Motor During Open- Circuit Fault Condition	14-08-2025	NITK	Julakanti Santhosh Reddy, P Parthiban, P Krishna Reddy, P Rajkumar
233	202541084968	Real-Time Adaptive Physical Network Topology Management and Proactive Network Stability Mechanism for VDCR	08-09-2025	NITK	Sourav Kanti Addya, Preetham N



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		Allocation in SDN-Enabled Data Centers			
234	202541084969	Thermo-chemically Treated Bio-Residue as a Bitumen Extender	08-09-2025	NITK	Raviraj H. Mulangi , A U Ravi Shankar, Yatish R G
235	202541085699	Programmable Nonlinear Analog-to-Digital Converter (PNLADC) with Selectable Transfer Characteristics	09-09-2025	NITK	Laxminidhi T , Shankaranarayana K
236	202541088380	Iron-Based Dual Metal-Organic Framework Composite Incorporated Polyethersulfone Hollow Fiber Membrane for the Elimination of Microplastics	17-09-2025	NITK	Arun M. Isloor, Muttanna Venkatesh
237	202541088381	Galvanically Isolated Integrated Onboard Charger (IOBC) for Electric Vehicles (EVs)	17-09-2025	NITK	Prajof P, Bonthapalle Dastagiri Reddy, Brijesh P V
238	202541088382	High Gain Non Isolated DC-DC Converter System and Method of Operation Thereof	17-09-2025	NITK	Prajof Prabhakaran, Arun Dominic. D, Sunil Mandal, Dinto Mathew
239	202541089043	An Efficient Greener Hydrogenation and N-alkylation Catalyzed by Iron Schiff Base in Water	18-09-2025	NITK	Pradeep Shetty , Badekai Ramachandra Bhat, Dileep R, Rasheeda M Ansari
240	202541093264	Innovative High Stable Breakwater Armour Units	29-09-2025	NITK	Archana Remanan, Debabrata Karmakar
241	202541093265	Fabrication of Gallium Nitride Junction Less FinFET with Symmetrically and Longitudinally Inserted Low-k Dielectric Oxide	29-09-2025	NITK	Nikhil K S, Vinaya S J, Rathnamala Rao
242	477036-001	Rheo Grip-Damper for Power Tools	15-10-2025	NITK	Dr. K V Gangadharan, Nagaraja Kamath



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243	202541100079	Method and System for Joint Estimation of Coherent and Uncorrelated Sources in MIMO Receivers	16-10-2025	NITK	Rohini Dakulagi, Ravi Raushan
244	202541100987	Metakaolin and Ground Granulated Blast Furnace Slag Proportioned 3D Printable Mortar	18-10-2025	NITK	Bibhuti Bhusan Das, Sanjeet Kumar Mishra
245	202541109003	System and Method for Efficient Fault Detection and Localization in Solar Photovoltaic Arrays	10-11-2025	NITK	A. Karthikeyan, Dongara Ramesh
246	202541111859	Reconfigurable Resonant Direct Current-Direct Current (DC-DC) Converter for Electric Vehicle (EV) Battery Charging	15-11-2025	NITK	Dharavath Kishan, Bhukya Saraswathi, Batchu Veena Vani, Md. Waseem Ahmad
247	202541111860	A High-Capacity, Stable Anode Material for Lithium-Ion Battery	15-11-2025	NITK	H.S. Nagaraja, Arvind Kumar
248	202541118233	Geobags-Geogrids-Based RM Breakwater Composite System to Enhance Seismic Stability	27-11-2025	NITK	Babloo Chaudhary, Akarsh P K, Babita Sah
249	202541118182	Quantum-Resistant Group Communication with Self-Healing Key Distribution, System and Method thereof	27-11-2025	NITK	Bhawana Rudra, Renisha .P.S
250	202541118177	A Self-Lubricating Hybrid Reinforced Aluminium Metal Matrix Composite (AMMC)	27-11-2025	NITK	Santosh Amarapure , Ranjeet Kumar Sahu, N. Narendra Babu, Sumanth Govindarajan
251	202541117997	Integrated Digital system for Management and Circular Reuse of Construction and Demolition Waste	27-11-2025	NITK	Neha S N, Prashanth M H, Basavaraju Manu
252	202541117980	Automatic Multi-Axis Smart Solar Flower	27-11-2025	NITK	Saurabh Chandraker, Anurag Tamrakar, Madhu Mohan R, Manoj G, Kavitha S,



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					Manjunathan D, Prajwal K N
253	202541126536	Ultrasonic-Assisted Underwater Cooling System for CMT-Based Wire-ARC Additive Manufacturing of Metallic Components	14-12-2025	NITK	Shambhu Kumar Manjhi, A.S.S Balan, Srikanth Bontha
254	202541126535	Synthesis of Bio-renewable Acetals and Ketals using Biopolymer-based Heterogeneous Acid Catalysts	14-12-2025	NITK	Poornachandra S P, Rachitha S N, Saikat Dutta
255	202541131919	An Active Hybrid Device with Carbonaceous Fibres and Alumino Silicious Binders	26-12-2025	NITK	T. Palanisamy, Swathy Krishna V R , Arjun S
256	202641000004	SHEARVISCO PRO: Dual-Purpose High-Shear Mixer and Viscosity Measurement Apparatus	01-01-2026	NITK	Raviraj H Mulangi, A U Ravi Shankar, Yathish R G
257	202641002146	An Air Activated Carbon based Electrode for Batteries and Supercapacitors	08-01-2026	NITK	H S Nagaraja, Lakshmi Sagar G
258	202641003221	A Kalman-Guided LMS Sparse Modular Method for Adaptive Beamforming	12-01-2026	NITK	Rohini Dakulagi, Ravi Raushan
259	202641012426	A Reduced Capacitance H-9 Five-Level Switched Boost Capacitor Transformerless Inverter	05-02-2026	NITK	Md Sartaj Ahmed, Ravi Raushan, Md Waseem Ahmad
260	202641025813	HexaFrustr Floating Wind Turbine Platform Integrated with Wave Energy Converters	05-03-2026	NITK	Debabrata Karmakar, Tenneti Bhanu Pushparaj, Binoy Sebastian
261	202641025811	Global Active Forest Fire Detection, Alerting, and Geospatial Mapping System and Method Thereof	05-03-2026	NITK	Shyam Lal, Sravya N., Mahendra Pratap Singh, Raghavendra BS., Aparna P., Arijit Roy



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262	202641030243	An Electrode for Photo-Electrochemical Cholesterol Sensing Activity	13-03-2026	NITK	Badekai Ramachandra Bhat, Sushmitha S., Lavanya Rao V R., Mahesha P Nayak
263	202641030244	Single-Switch Non-Isolated High-Gain DC-DC Converter with Commom-Ground Configuration	13-03-2026	NITK	Srinivas Birru, Suresh K P., B. Venkatesa Perumal, Nagendrappa H.
264	202641032549	Closed-Loop Flow-Electrochemical-Hydrogen Integrated Corrosion Testing System	18-03-2026	NITK	A. S. S. Balan, Narendranath S., Ingilela Aswith Babu
265	202641040626	Floating Breakwater System Integrated with Renewable Energy Harvesting Devices	31-03-2026	NITK	Debabrata Karmakar, Aparna M., Archana Remanan
266	202641040627	KOH-Activated Carbon Derived as Anode Electrode for Battery Application	31-03-2026	NITK	H. S. Nagaraja, Arvind Kumar
267	202641040628	A High-Strength Pre-Casted Construction Material, Building Blocks and Binder Composition Thereof	31-03-2026	NITK	T Palanisamy, Niveditha M.
268	202641040629	Ternary Metal-Organic Framework Composite Incorporated Polysulfone Hollow Fiber Membranes for the Wastewater Treatment	31-03-2026	NITK	Arun M. Isloor, Muttanna Venkatesh
269	202641045801	Fabrication of Copper-Coated Lightweight Materials for Advanced Electrical and Heat Transfer Applications	09-04-2026	NITK	Rajasekaran Balasundaram, Sreerag M P
270	202641045802	High-Conductivity Copper Refractory Metal Substrates and Method Thereof	09-04-2026	NITK	Rajasekaran Balasundaram, Sreerag M P
271	498287-001	ATwin-Walled Light-Assisted Culture Chamber for Phototrophic Microorganisms	13-04-2026	NITK	T. Palanisamy, Subhash C Yaragal, Chaitanya Chandrashekar Hosamane



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272	202641050497	Privacy-aware Framework for Temporal Event-centric Multimodal Data Integration	21-04-2026	NITK	Reshma U., Sowmya Kamath S., Ananthanarayana V S
273	202641050497	Privacy-Aware Framework for Temporal Event-centric Integration of Multimodal Data	21-04-2026	NITK	Ms. Reshma Unnikrishnan (PhD Scholar), Dr. Sowmya Kamath S., Prof. Ananthanarayana V.,
274	202641055503	Universal Decentralized Energy Conversion System with Plug-and-Play Functionality	30-04-2026	NITK	Dr. B. Dastagiri Reddy, Dr. P. Prajof, Launnish M., Abhay Jangir
275	202641067985	Multi-Inlet Tangential Gas-Drainage Nozzle System for Generating a Stable Localized Dry Cavity During Underwater Welding	30-05-2026	NITK	Dr. Atul Singh Rajput, Mr. Hadiya Jatin Kanubhai Hansaben (M.Tech student)
276	202641067986	A Passive, NFC-Powered Intracapsular Diagnostic System for Real-Time Physiological Monitoring in Breast Implants	30-05-2026	NITK	Dr. Bhawana Rudra, Dr. Mohammed Sameer Ahmed, Dr. Sabha Ahmed, Dr. Ankit Arora
277	202641067988	Bio-Responsive Active Orthopedic Stabilization System for Ictal Injury Prevention	30-05-2026	NITK	Dr. Bhawana Rudra, Mohammed Sameer Ahmed, Sabha Ahmed, Ankit Arora, Mrs. Farha Tabasum
278	202641067987	Bio-Responsive Closed-Loop System for Pre-Ictal Pharmacological Intervention	30-05-2026	NITK	Dr. Bhawana Rudra, Mohammed Sameer Ahmed, Sabha Ahmed, Ankit Arora, Mrs. Farha Tabasum
279	202641067984	System and Method for Automated pH Monitoring and Predictive Feed Recommendation in Biogas Plants	30-05-2026	NITK	Vasudeva Madav, Navin Karanth P., Umashankar K S., Y Yugandhar Reddy, Akash A R., Padmanand Warriar
280	202641070827	Mo-Reinforced Tungsten Carbide-Based Composite Cladding for High-Temperature and Wear-Resistant Applications Deposited by Laser Direct Energy Deposition	07-06-26	NITK	Aprameya C R., Sharnappa Joladarashi, M. R. Ramesh, Chandramouli T V., Venkatesh Murthy R



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281	202641071895	Multi-Phase Diagnostic System for Breast Prosthetics including Wearable Bio-Sensing Garment and NFC-Powered Implantable Multi-Sensory Array	10-06-2026	NITK	Mohammed Sameer Ahmed, Sabha Ahmed, Vineet, Ankit Arora, Farha Tabasum, Bhawana Rudra
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