

S. No	Title of the patent	TRL LEVEL
1	Conductive bi-layer composition and coating method for fuel cells	TRL-2
2	Artificial intelligence based automated temperature detection system integrated with smart sanitizer dispenser	TRL-5
3	Method for adaptive artifact elimination for cleaning brain waves in remote patient monitoring	TRL-5
4	A Novel Method of Data Security and Privacy in Cloud Storage for Health Care System using Modified GRRSA and MHE	TRL-2
5	System and Method for Prediction of Tropospheric Scintillation Effects for the Accurate Design of Adaptive Link Control System in Satellite Communications	TRL-2
6	A framework for secure media streaming using interplanetary file system	TRL-4
7	A novel method of power reduction in modified aes using bit encryption and decryption transition scheme on FPGA	TRL-4
8	Fault detection using artificial intelligence in a telecommunication network	TRL-2
9	A composition for the treatment of human immunodeficiency virus	TRL-2
10	A novel method of design of low power VLSI based Viterbi decoder using gate diffusion input	TRL-2
11	Distribution system rendition with single distributed generation sources by network concert improvement inventory.	TRL-2
12	Method for plant disease detection using machine learning and methods thereof	TRL-2
13	A smart device for monitoring, and identifying driving route pollution using internet of things	TRL-3
14	In silico screening of novel sulfonamides as potential antimicrobial drugs docked with protein targets: PDB: 2VF5, 1KZN and 1JIJ and their synthesis using green approach	TRL-2
15	A method for the production of L-asparaginase using yarrowia lipolytica, from a substrate pongamia oil cake (pongamia pinnata)	TRL-4
16	A method for the production of bioethanol in solid state fermentation (ssf) using saccharomyces cerevisiae, from the novel substrate of cantaloupe pulp	TRL-4
17	Modified microstrip feed hybrid rectangular dielectric resonator antenna for tri-band application	TRL-4

18	Click chemistry synthesis of novel 1,2,3-triazole-thieno-[2,3-d]-pyrimidine analogues: in silico evaluation docked against antioxidant targets: pdb: 1hd2, 2hck and 3nm8	TRL-3
19	In silico evaluation and synthesis of novel sulfonamides as promising anti-viral lead molecules docked against anti-covid-19 protein targets: sars-cov-2 main protease	TRL-3
20	Sulfobutyl ether beta-cyclodextrin encapsulated phytosomal composition of phyto- constituents	TRL-4
21	Crowd detection advanced camera to maintain distance and identify the suspect using ai- based programming.	TRL-4
22	Image contrast enhancement system with hybrid binary particle swarm optimization and flower pollination algorithm	TRL-2
23	Vigna. Sp based biocomposites and process for manufacturing thereof	TRL-1
24	A novel approach to identify the facial parts using local binary pattern and combined lvq classifiers	TRL-2
25	Graphical, Hierarchical and Orthogonal Maximum Power Point Tracking Statecharts for Photovoltaic System	TRL-3
26	A variational auto-encoder convolutional neural network (VAE-CNN) model to identify the prevalence of diabetic retinopathy disease	TRL-4
27	Design of an Asymmetrical Multilevel Inverter Using Cascaded H Bridges	TRL-2
28	Digital image processing techniques using matlab	TRL-4
29	Isse- building management: intelligent building management system for smart energy grid	TRL-3
30	Computational optimization of VLSI physical design with graphical processing units using method	TRL-3
31	A system and method for processing a payment transaction associated with a product	TRL-3
32	Smart home automation for electricity saving using Home Energy Automation	TRL-2
33	A Novel Robust Method for Pattern Recognition System with Enhanced Micro Structure Descriptors based Classification	TRL-2
34	A system for server-driven data synchronization in IoT connectivity and method thereof	TRL-2
35	Design of anisotropic metasurface for controlling electromagnetic wave polarization	TRL-2

36	A method of bacterial cultures to metallic nanoparticles with improved anti-microbial property	TRL-2
37	A method for green power produced in mfc various microorganisms	TRL-2
38	A method and composition for biological synthesis of nanoparticles for degradation of textile dyes	TRL-3
39	AI for efficient assessment and prediction of human performance in collaborative learning environments	TRL-4
40	MCQ E-exam Cheating Detection System Using Machine Learning/ Deep Learning.	TRL-4
41	Sustainable and Effective Treatment Technology for Removing Organic Pollutants in Wastewater Treatment using Nanobubbles	TRL-2
42	Early corrosion contaminant prediction system on turbine blades	TRL-3
43	A Novel Method of Power Quality Enhancement in Grid Integrated System using PV-STATCOM	TRL-4
44	Sustainable lightweight green concrete preparation using pvc waste powder	TRL-4
45	Package-health monitoring and measurement system using deep neural network	TRL-4
46	Analyzing the association of marketing analytics in enhancing business performance in organization with marketing capabilities as mediator role	TRL-4
47	Pop-out & Sink-in Holographic Augmented Reality and Virtual Reality Device for use without 3D glasses for simultaneous viewing by multiple persons.	TRL-2
48	The significant impact of housing loan on customers satisfaction level in Indian banking sector	TRL-2
49	A method of text mining in ranking of web pages using machine learning	TRL-4
50	Speckle Denoising System for Ultrasound Images with Framelet Transform and Gaussian Filter	TRL-4
51	A system and the method for secured data storage classification for agent-based mobile cloud	TRL-4
52	Consistent data-driven decision-making system for tele medicine applications using multitudinal and multimodal data	TRL-4
53	A method and design of multiband rejection microstrip patch antenna for wireless communications	TRL-5

54	An artificial neural network system for functional MRI segmentation with cc-bpa	TRL-4
55	An intelligent self protection system for IoT with cognitive fog computing	TRL-4
56	Realtime signal generators for cellular jammer with dynamic switching of frequency bands	TRL-5
57	Design, synthesis of novel oxyindole inhibitors of denv rna dependent rna polymerase	TRL-4
58	Optimized elliptical design of transmission tower to improve stress tolerance	TRL-4
59	Method of quantification of co2 in concrete cured with carbon dioxide	TRL-4
60	A generic framework for enhanced self-adaptive software architecture	TRL-2
61	Embedded fibre sensor	TRL-3
62	Lubricant with layered nanostructure additives	TRL-9
63	Nano suspension lubricants	TRL-9
64	Carbon nanotubes-based hybrid automotive coolant	TRL-6
65	Tdma based reliable and energy efficient method for flooding wireless sensor networks	TRL-4
66	Csetp-device: control the speed, efficiency, torque, and power of the electric motor.	TRL-2
67	System and method for lesion volume estimation of human brain from 2d mr images	TRL-2
68	Cloud attenuation system and method to provide cloud attenuation statistics and atmospheric absorption coefficient	TRL-4
69	Material and method of coating conductive oxides for solid oxide cells application	TRL-4
70	Motivational recommendation system and method	TRL-1
71	Design, development and charecterization of transdermal delivery system of saxagliptin for the	TRL-2

72	Development of robot for pipeline inspection	TRL-2
73	System and method for dynamic group key agreement based on blockchain smart contract centric computing	TRL-2
74	Three dimensional hybrid scaffold for islet cell transplantation and its preparation method thereof	TRL-2
75	Navigation guidance for differently abled person	TRL-2
76	Fruit quality detection kit: monitoring fruit quality using red light-induced luminescence through IoT	TRL-2
77	Ode- mining algorithm: optimisation of opencast mining machinery noise using differential evolutionary algorithm	TRL-3
78	Machine learning based method for efficient classification of biological sequences	TRL-2
79	Smart kitchen using altering system and IoT	TRL-2
80	Novel and enhanced methods for efficient subspace clustering of high dimensional data	TRL-2
81	Dynamic policy based behavioural IoT security enforcement system using computer environment	TRL-4
82	Design and development of planar microstrip antenna for wireless sensor network communication	TRL-4
83	Hybrid response and traffic control algorithm (HRTC) based congestion detection and control technique in denser iot networks	TRL-4
84	Indoor air quality monitoring device using internet of things (IoT).	TRL-5
85	High level secured confidential data transmission system with crypto-stegano approach	TRL-2
86	Honey pots security system: honey pots a security system to detecting information leaks and track black hat in the networks.	TRL-2
87	Image super resolution denoising system with deep convolutional generative adversarial networks	TRL-4
88	AI based method and apparatus for stamping driving assistance based signs on a road	TRL-3
89	Acoustic echo cancellation algorithm for channel estimation in fully scheduled precoder based poma structured lte network	TRL-2

90	Image compression in automatic contrast enhancement system with curve fittings	TRL-2
91	Reversible data hiding image enhancement system with 2d histogram	TRL-2
92	Automatic brain tissue segmentation system by supervoxel clustering	TRL-3
93	Iptd- waste recyclable material management system: intelligent process and technology management system for power generation, transmission, distribution equipment related waste recyclable material converted into valuable added products.	TRL-2
94	Amth- biomedical waste management: an IoT - based system for biomedical waste management including ayurveda hospitals.	TRL-4
95	Software defined networking system for the automation of network security	TRL-4
96	Conversion based fault identifier in three phase transformer using wavelet transform technique	TRL-4
97	A 20-180mhz frequency band electrically tuneable antenna for radiation immunity testing	TRL-2
98	Smart iot based system for home automation system	TRL-2
99	Early fire localization using swarm intelligence and IoT	TRL-2
100	An optimal design ornithopter	TRL-2
101	Secured system to identify illegal disposal of waste using IoT and methods thereof	TRL-2
102	Flood resistant floating building structure	TRL-2
103	The middleware in internet of things (IoT) for bridging heterogeneity between devices connected in network	TRL-4
104	Automatic detection system for focal eeg signals with adaptive wavelet transform	TRL-4
105	Authenticated secure radio communication using strong physically unclonable functions	TRL-2
106	A generic framework for enhanced self-adaptive dynamic software architecture	TRL-2
107	Industrial Safety Monitoring and Accident Reporting System Using IOT	TRL-2

108	Lubricant Dispersed with Carbon Nanotubes	TRL-4
109	A Deep learning technique to recognise brain activity by fmri and DTI image fusion	TRL-4
110	A novel edge-cloud enabled data deviance detection in IoT systems	TRL-4
111	System and method for multiple group session key agreement based on blockchain smart contract centric computing	TRL-2
112	An automated wearable telemedicine system for automatic monitoring of health status in prevention of covid-19 among humans	TRL-1
113	Internet of things human body vital sign monitoring system	TRL-4
114	Nano-coolant(s) and method for preparation thereof	TRL-5
115	A novel compound with anti-cancer properties	TRL-3
116	Lubricant dispersed with carbon nanotubes	TRL-4
117	Process for producing an amino acid	TRL-4
118	An efficient sun tracking device for solar panel using sma springs	TRL-4
119	Improved fatigue testing machine (ftm)	TRL-4
120	Automatic target identification system and method for sonar images	TRL-2
121	Object recognition system and method thereof	TRL-2
122	Adaptive scientific calculator	TRL-1
123	Method for processing of digital images	TRL-2
124	Deep learning model for image fraud detection	TRL-4
125	Vehicle security system	TRL-3

126	Smoothing filters based jpeg compression for noisy images	TRL-2
127	Smart manufacturing using industrial IoT in 5g environment applicants	TRL-2
128	System and method for pairing-free strong key-insulated certificateless aggregate signature scheme for vehicular ad-hoc networks	TRL-2
129	Nano bio-hybrid metformin composition for treating non-insulin dependent diabetes mellitus	TRL-4
130	CD151 Positive exosomes and use thereof in the diagnosis of triple negative breast cancer	TRL-2
131	Automated weather system for the detection of airpollutants and measuring meteorological parameters	TRL-2
132	Metal-organic framework materials for gas storage	TRL-5
133	5-lipoxygenase inhibitors	TRL-2
134	Hybrid colour image decomposition system using finite doubly truncated bivariate gaussian mixture model	TRL-3
135	1-(4-(3-(1-((dimethylamino)methyl)-5-substituted-1h-benzo[d]imidazol-2-yl)-3-oxoprop-1-enyl)phenyl)-3-phenylimidazolidine-2,4-dione	TRL-4
136	3-(1-(1h-benzo[d]imidazol-2-yl)-2-(substituted phenyl)vinylimino)indolin-2-one compounds	TRL-4
137	An immuno-informatics method for screening and identifying sub-mucosal vaccine candidate	TRL-2
138	A three dimensional culture system for fetal cells	TRL-2
139	A novel three dimensional tumor angiogenesis model	TRL-2
140	A novel essential oil with anti-fungal properties	TRL-2
141	A process for preparation of long term storage pumpkin jam	TRL-2
142	Method of coating emission enhancement film on dispenser cathodes by chemical route	TRL-6
143	Synthesis of a manifold system from input models	TRL-5

144	One step separation and purification of rifampicin on fluidized bed of hedychium spicatum	TRL-2
145	Novel heterocyclic compounds of medicinal importance	TRL-2
146	Preparation of enriched quercetin tetra methyl ether extract from saussurea obvallata and compositions thereof	TRL-4
147	Extraction of astaxanthin from solenocera melantho	TRL-2
148	Starch tartrate based fast dissolving formulations for immediate release and enhanced dissolution rate of active pharmaceutical ingredients	TRL-4
149	Starch propionate based fast dissolving formulations for immediate release and enhanced dissolution rate of active pharmaceutical ingredients	TRL-4
150	Starch oxalate based fast dissolving formulations for immediate release and enhanced dissolution rate of active pharmaceutical ingredients	TRL-4
151	Starch formate based fast dissolving formulations for immediate release and enhanced dissolution rat	TRL-4
152	Starch maleate based fast dissolving formulations for immediate release and enhanced dissolution rate of active pharmaceutical ingredients	TRL-4
153	Starch phthalate based fast dissolving formulations for immediate release and enhanced dissolution rate of active pharmaceutical ingredients	TRL-4
154	Starch fumarate based fast dissolving formulations for immediate release and enhanced dissolution rate of active pharmaceutical ingredients	TRL-4
155	A method for entering multi-dimensional data including text and a dimension multiplier keypad thereof	TRL-2
156	A novel growth media to maintain viability of human cataractous lens epithelial cells	TRL-1
157	Starch glutamate based fast dissolving formulations for immediate release and enhanced dissolution rate of active pharmaceutical ingredients	TRL-1
158	Green nano composites	TRL-2
159	Method for isolation and characterization of antioxidant protein from grape seeds	TRL-2
160	Localized and controlled release of drug to treat in-stent restenosis	TRL-2
161	A novel bioconjugate of iron	TRL-2

162	Bidirectional dc-dc converters	TRL-2
163	Pollution control devices	TRL-4
164	Machine learning approach to analyse the positive traits related to stock trading is the proposed invention	TRL-2
165	Summer Cool feel Cap	TRL-4
166	Al-1100 Alloy-Coconut Shell Ash Composites products with High specific strength and Wear-Resistance at ambient and high temperature	TRL-5
167	An autonomous early detection of user drowsiness through facial recognition using AI	TRL-4
168	Multiple independent charging system for e-vehicles	TRL-2
169	Construction roofs with aid of sheet and control theory	TRL-1
170	Shuffled differential evolution based combined heat and power economic dispatch	TRL-2
171	An experimental investigation on strengthening of RCC element by using steel fibre and partial replacement of fly ash with cement	TRL-4
173	A System and method for freedom mathematical parsing and grading of an arithmetic expression using AI & ML interface	TRL-2
174	Multiple independent charging systems for e vehicles	TRL-2
175	Down-Hole Fluid Control System and Method Having Dynamic Response to Local Well Conditions	TRL-1
176	Priority based identification of wireless multiport parallel r vehicle charging station and e vehicle	TRL-2
177	Mde- symbolic calculations: method for live symbolic calculations in a math document intelligent editor	TRL-2
178	Resistant Composition for Martensitic Transformation	TRL-1
179	High density solar panel with sun position tracking auto cleaning system	TRL-2
180	Mobile phone unlocking system	TRL-2

181	Intelligent Chimney: The chimney embedded with intelligent camera and system with Deep learning	TRL-2
182	Dip-intelligent neural networks: digital image processing using intelligent neural networks system	TRL-2
183	A tower arrangement for mobile communication with integrated power generation and multifarious frequency transmission system	TRL-2
184	Synthesis of novel benzimidazole derivates and screening for anti mitotic activity	TRL-2
185	To determine hydrochlorothiazide in Human plasma through HPLC	TRL-1
186	Pytochemical screening and anti microbial activity of on parthenium hysterophorous against pathogenic microorganisms	TRL-2
187	Fundamentals of pharmaceutical industry and cgmp guidelines	TRL-1
188	Prospective study on risk factors assessment and treatment comparison in mi patients	TRL-1
189	Production of bio ethanol from banana peel waste	TRL-2
190	Flexure e-scooter: a promising eco-friendly rider	TRL-2
191	Portable Paste Making Machine for Herbal Ingredients	TRL-1
192	Machine Learning Approach to Analyze the positive Traits related to Stock Trading	TRL-2
193	SHFED differential evolution based combined Heat and Power Economic Dispatch	TRL-2
194	A Machine Learning Based Approach to Plot graphs based on statistical Data Analysis of Patients suffering From Cancer due to Smoking	TRL-4
195	Integrated airless wheel for motorcycle	TRL-2
196	Multiplu Independent Charging System for E Vehicles	TRL-4
197	Magnetic actuated micro-swimmer testing apparatus for performance enhancement in Newtonian and Non-Newtonian fluids	TRL-4
198	Accurate Fault Detection/Diagnosis of Lithium-Ion Battery using Machine Learning	TRL-2

199	A System for Quality Monitoring and Management of Water in Stored Conditions Thereof	TRL-1
200	High Density Solar Panel with Sun position Tracking Auto Cleaning System	TRL-4
201	A Tower Arrangement for Mobile Communication with Integrated Power Generation and Multifarious Frequency Transmission System	TRL-2
202	Al-1100 Alloy-Coconut Shell Ash Composites Products with High Specific Strength and Wear-Resistance at Ambient and High Temperature	TRL-6
203	Effective cloud controlled heart disease management and detection in patients using machine learning algorithms	TRL-2
204	Cloud server based wireless ECG monitoring system with more accuracy with the help of machine learning algorithms	TRL-2
205	Construction roofs with the AID of sheet and Control Theory	TRL-1
206	Automated Construction of Building Controlled by Oral Instruction	TRL-1
207	Pregnancy Assay-System for Automated home test analysis using soft computing	TRL-1
208	Method and Process of Manufacturing of Nano-Battery	TRL-5
209	A Novel method of Deducting IOT Malware using Deep Learning	TRL-2
210	Down- hole fluid flow control system and method having dynamic response to local well conditions	TRL-2
211	A System and method for freeform mathematical parsing and grading of an arithmetic expression, using AI & ML interface	TRL-4
212	Device developed for monitoring environmental effects	TRL-5
213	Fuzzy Logic Model to Estimate the Success Rate of a Nutritional Supplement in A Particular Region	TRL-4
214	A method for performing gait analysis to identify physically disabled individuals	TRL-2
215	Adversative environment conditions prediction method and device	TRL-4
216	Resistant Composition for Martensitic Transformation	TRL-2

217	A composition and Method for Conditioning Desert soil for Agricultural Purpose	TRL-1
218	Priority based identification of Wireless Multiport Parallel E Vehicle charging Station and E Vehicle	TRL-3
219	Implementation of Intelligent online security System with cloud server	TRL-4
220	A system and method for self-generation of power by the electric vehicles	TRL-2
221	Implementation of artificial intelligence enabled design, synthesis and process optimization of chemical products for industry 4.0	TRL-2
222	An investigation on the use of machine learning methods for predicting employee performance	TRL-2
223	SAR based system for reducing the effect of cellular phone radiation according to the user health parameters	TRL-4
224	System for Deducing Disease in Plants	TRL-2
225	Self rechargeable drone	TRL-2
226	A system for providing an automatic alert to nearby ambulance during accidents	TRL-4
227	Nano channelled photovoltaic cell	TRL-4
228	Machine Learning based Data Mining method of Bio Medical Dataset Using Natural Language Processing	TRL-2
229	Multi-watchdog based intrusion detection system using hidden watchdogs in random wireless sensors networks	TRL-2
230	ANT- vehicle speeding detection: automatic vehicle speeding detection, notification and tracking system	TRL-2
231	Breather bag controlling system and method for maintaining pressure in controlled atmosphere	TRL-2
232	Coronavirus detection 5-g mobile app: an app which enables a mobile phone to detect the coronavirus.	TRL-1
233	Design and development of planar microstrip antenna for wireless sensor network communication	TRL-4
234	Intelligent women safety device using AI programming deep learning	TRL-2

235	Intelligent solar power theft detection technology using wi-fi notification	TRL-4
236	Solar based smart water purification in the groundwater	TRL-3
237	ITF self -balanced vehicle	TRL-3
238	An Intelligent Monitoring Device for Elevators	TRL-2
239	System for Monitoring and Alert user about Pandemic in real time and method Thereof	TRL-1
240	VLS-Green Cement Construction: Green Cement for Very Low- Cost Sustainable Road Construction	TRL-2
241	Herbal Cake Composition for Gastritis and Preparation Method for The Same	TRL-2
242	MDE- Symbolic Calculations: Method for Live Symbolic Calculations in a Math Document Intelligent Editor.	TRL-2
243	Efi-low-cost Indian brick: environment- friendly very low-cost Indian brick	TRL-5
244	Plastics & Packing Materials Management- Plastics and Non- Recyclable Packing Materials Convert into A Value-Added Products	TRL-5
245	Kitchen Waste Convert into An Organic Material Device	TRL-5
246	Fluid Catalytic Cracking Intelligent Method and Methods	TRL-2
247	Decolourization of Textile Dyeing Waste Water Using UV/Solar	TRL-4
248	Dip-intelligent neural networks: digital image processing using intelligent neural networks system.	TRL-2
249	System and method for creating & Managing mind Map for Explaining user thoughts using personalized Network	TRL-2
250	System and method for forced heat transfer water cooling in thermoelectric generator	TRL-4
251	Portable paste making machine for herbal ingredients	TRL-5
252	Flexure e-scooter	TRL-4

253	Mobile phone pattern Unlocking system	TRL-2
254	IPTD: Waste Recyclable Material Management System: Intelligent process and Technology Management System for power Generation, Transmission, Distribution Equipment related Waste Recyclable Material converted into valuable added products	TRL-2
255	Low-Cost smart E-vehicle charging station with Battery Swapping Technology	TRL-3
256	Power conversion control system including slide mode controller and cyclo-converter	TRL-5
257	Identification and protection of an aero-space AC/DC power system in the presence of DC content due to faulty loads.	TRL-2
258	Electromagnetic and Elevator door coupler	TRL-2
259	New method and apparatus for simultaneous generation and detection of the optical diffraction pattern for vibration monitoring	TRL-4
260	Opto-electronic system for real time monitoring of motions in stratified fluids	TRL-5
261	New method and apparatus for simultaneous generation and detection of the optical diffraction pattern for vibration monitoring	TRL-5
262	Improved processes for production of 2- methyl pyrazene (2 - MP) from etnelenedianine and Propylene Glycol.	TRL-5
263	Novel Promoted Zinc Chromite based catalysts for production 2 MP from etnylenediamine and propylene glycol.	TRL-4
264	A process for production of crystalline vanadium silicate by sol-gel technique	TRL-1
265	An improved device for producing Granulates pitch of Reduced Moisture Content	TRL-4
266	A process of manufacturing of 95% pure Anthracene from Coal Tar	TRL-2
267	Flexible Contact Tube for Rotation Arc Welding	TRL-4
268	New method and apparatus for simultaneous generation and detection of the optical diffraction pattern for vibration monitoring	TRL-3
269	Method and apparatus for recognition of hand gestures of differently abled persons	TRL-4
270	Wireless communication system for automatic operation of routing gates at cross road junctions and for providing advanced alerts of disasters	TRL-3

271	Mosquito repellent aroma candles and vaporizer using Essential oils	TRL-6
272	Vehicle speed monitoring and safety communication system	TRL-4
273	System for Detection of Application Layer Attacks	TRL-4
274	Modified Water Distribution System in Multi Storeyed Buildings	TRL-4
275	Low Noise fibre reinforced Air Mover fabrication material.	TRL-7
276	A variable pitch multi nut fastener and unfastener	TRL-2
277	A Wind Energy Conversion Assembly with Low Pressure Formation to Partially Enclosed Rotor structures	TRL-2
278	AC-DC Dual Converter Topology for Variable Voltage and Variable Frequency Applications	TRL-3
279	Intelligent charging of multiple electronic devices with a Smart Charger	TRL-4
280	A technology for production of mesophase pitch from coal tar	TRL-2
281	A wheezing detecting device	TRL-5
282	A smart desk integrated system	TRL-4
283	Internet Enabled Remote Control device for Air Conditioners	TRL-4
284	Automatic dispensing system	TRL-5
285	Design of a flexible and height adjustable healing and ambulation assisting device for treating below the knee injuries and leg disabilities	TRL-2
286	Clustering based on Correlation Fractal Dimension over an evolving data stream	TRL-3
287	Growhitha – automatic natural fertilizer manufacturing machine tool	TRL-5
288	Systems and methods of use thereof for determining aerosol particle characteristics	TRL-2

289	Extraction of Azadirachtin and process thereof	TRL-2
290	IAD – system: intelligent accident detection system	TRL-4
291	Real Time Accident Prediction and Driving Assistant system for Road Safety	TRL-4
292	An Ultra-Fast Wireless Mobile Charging System For 5g Based Portable Communication Devices	TRL-4
293	An image separator for both letter and photographic information and method thereof	TRL-2
294	Apparatus for medical waste treatment	TRL-5
295	A fully automatic Dishwasher Apparatus and method therefor	TRL 9
296	Intelligent Drug Quality Control Analysis System and Method based on Machine Learning	TRL- 6
297	Low Cost automated Antimicrobial Susceptibility Testing System	TRL-5
298	Novel Internet of Things based Artificial Intelligence approach to health care monitoring and controlled System	TRL-4
299	Identification of forest fire susceptibility using GIS and Neural Network Approaches	TRL-5
300	University Surveillance and Attendance System using Face recognition based on Machine Learning and Internet of Things	TRL-5
301	Location based live flood Monitoring System	TRL-6
302	A Smart and Cost effective Flood Pole	TRL-6
303	Electronic Circuit for Speed Measurement of Electric Motors'	TRL-9
304	Method of preparation of a solid inclusion complex using artificial Neural networks	TRL-4
305	Formulation of Solid Inclusion Complexes of Clopidogrel Bisulphate and their Dissolution Enhancement using Artificial Neural Networks	TRL-6
306	Formulation of Solid Inclusion Complexes of Clopidogrel Bisulphate and their Dissolution Enhancement using Artificial Neural Networks	TRL-5

307	A process for preparing slurry infiltrated fibre concrete	TRL-6
308	A System and A Method for Evaluating Compression	TRL-4
309	Image Processing Based Covid- 19 Prediction using Deep Learning	TRL-9
310	Smart food storage system	TRL-4
311	System for morphology segmentation of brain mri modalities based on e-fuzzy features and thresholds	TRL-5
312	Performance of alkali activated slag concrete against acid and sulphate attacks	TRL-2
313	Determination of Mechanical properties of alkali activated slag concrete under ambient and heat curing	TRL-5
314	System to spirulina production using intelligent circuit	TRL-7
315	Geo Polymer Concrete Composition Using Quarry Dust and Contrived Aggregates	TRL-4
316	A Contrived Aggregate Composition for Concrete and Equipment for its Preparation	TRL-2
317	Artificial Intelligence Based automated Music Composing Model	TRL-2
318	Wearable device to monitor dehydration	TRL-5
319	Hybrid concrete composition	TRL-3
320	Hybrid mortar composition	TRL-2
321	A modified bow-tie slotted circular patch antenna	TRL-5
322	A Quad-band Asymmetric Dual L -Slot fed Dielectric Resonator Antenna (DRA) with Circularly Polarized Bands	TRL-5
323	Curvy Rectangular Slotted Substrate Integrated Cylindrical DRA with Wide CP Bandwidth and Enhanced Gain	TRL-4
324	A Compact Hexagonal Triangular Fractal Antenna for wideband Applications	TRL-5

325	A New PCB Based Antenna for iot Applications	TRL-2
326	Multipurpose Modular Semi-Autonomous Underwater Platform for Maintenance, Surveillance and Reconnaissance	TRL-5
327	High gain non isolated bidirectional DC-DC converter	TRL-4
328	Portable universal converter toolkit for converting IC Engine to Electric Vehicle	TRL-4
329	Switched capacitor based multilevel inverter	TRL-4
330	Automatic brain tissue segmentation system by supervoxel clustering	TRL-2
331	Multi input reverse fly back converter	TRL-4
332	Image Compression in Automatic Contrast Enhancement System with Curve Fittings	TRL-4
333	"System and Method for Planning a Planar or Spatial Path for an Autonomous Vehicle	TRL-4
334	Multipurpose Modular Semi-Autonomous Underwater Platform for Maintenance, Surveillance and Reconnaissance	TRL-7
335	Conductive coating for low temperature solid oxide fuel cells	TRL-4
336	Design and Manufacture of manual electrode coating machine for small scale arc welding electrode manufacture	TRL-2
337	Biomedical interventions for analysis of gene mutations of cancer patients for early prediction and diagnosis of the disease	TRL-2
338	3D Printing of BIO-Compatible Ceramics as Scaffolds	TRL-4
339	Smart System for Adaptive Surface Roughness Control of Work piece and Method Thereof	TRL-5
340	A System for Image spectral extraction using local covariance and convolution in Hyper Spectral images	TRL-3
341	A Smart Grid Networks with an artificial Intelligence based IOT Secured System	TRL-2
342	Switched capacitor based multi-level inverter	TRL-2

343	Advanced metasurface superstrate structure for improvement of antenna performance	TRL-2
344	Patch Antenna, Method of Manufacturing And Using Such An Antenna, And Antenna System	TRL-3
345	Automatic Pulses/Dals/Cereals Dispenser using Electronic Valves	TRL-2
346	Automatic detection system for Focal EEG signals with adaptive wavelet Transform	TRL-2
347	Design of Split Ring Resonator Superstrate for Sidelobe Suppression of Microstrip Array Antenna	TRL-2
348	Automatic Brain tissue segmentation by supervoxel clustering	TRL-4
349	High Speed Train Speed Predictive Control Using ANFIS modeling and machine learning.	TRL-5
350	Rapid plastic detection in sea shore using Convolutional Neural Networks in Autonomous cleaning vehicle	TRL-4
351	A system for detecting and identifying the number plate of an at least a vehicle	TRL-4
352	Auto-powered Assistive Device for Visually Impaired People	TRL-2
353	An apparatus for authenticating and assessing the driving skills of an at least a person	TRL-2
354	Artificial intelligence based automated music composing model	TRL-1
355	A system and method for recognizing the emotions based on electrical bio-signals and speech signals	TRL-2
356	An efficient artificial fish swarm optimization based method for disease detection in oryza sativa	TRL-4
357	Flexible spacesuit hand gloves	TRL-1
358	NAPR-Video Surveillance Systems: A Novel Approach for Privacy Preserving in Real Time Video Surveillance Systems	TRL-1
359	IMD -CLIENT SEGMENTATION: Intelligent Client Segmentation using ML And DL Programming.	TRL-3
360	IMOD-Video Surveillance Systems: Intelligent Moving Object Detection Model in Video Surveillance Systems	TRL-4

361	An Adjustable Rear Carrying Rack for Electric Vehicle	TRL-3
362	Non aqueous nano cooling oil suitable for high temperature of engines in vehicles	TRL-2
363	A composite smart clean energy device based on wind and solar energy and method thereof	TRL-2
364	Nano biocompatible hydrogels for treating external injuries	TRL-2
365	Solar Powered smart waste management dustbin	TRL-2
366	Solar powered cleaning device	TRL-2
367	A Novel non cement brick composition	TRL-2
368	Hybrid concrete composition	TRL-5
369	Geopolymer based cementless brick composition	TRL-2
370	A Contrived Aggregate Composition for Concrete and Equipment for Its Preparation	TRL-5
371	Fabrication of Vitricks	TRL-5
372	Geo Polymer Concrete Composition using Quarry Dust and Contrived Aggregates	TRL-5
373	Carbon nanotubes Based Concrete Composition	TRL-4
374	Hybrid mortar composition	TRL-6
375	A Novel Pervious Concrete Composition & Preparation Method And Its Application In Process of Artificial Recharge of Groundwater by Simulating Rainfall, Runoff and Soil Characteristics in the Box Model	TRL-2
376	Enhancing mechanical properties of BEADWIRE RUBBER CEMENT CONCRETE OVER REINFORCED CEMENT CONCRETE	TRL-2
377	Analyzing relevance between nodes using graph theory	TRL-4
378	An algebra balancing device having an imbalance correction mechanism	TRL-5

379	Groundwater level prediction using statistical modeling techniques	TRL-4
380	Patent Title In mention: Machine Learning Based Approach along with Human Resource Analysis Integration Systems for Betterment of Organization	TRL-2
381	Deep Learning Techniques To Identify Prime Factors For Handling Strategic and Crisis Management	TRL-4
382	Switched capacitor based multilevel inverter	TRL-4
383	Multi input reverse fly back converter	TRL-4
384	Portable universal converter toolkit for converting IC Engine to Electric Vehicle	TRL-3
385	Image Compression in Automatic Contrast Enhancement System with Curve Fittings	TRL-4
386	Automatic brain tissue segmentation system by supervoxel clustering	TRL-2
387	System and Method For Distributed Block Chain	TRL-2
388	System and Method for Dynamic Group Key Agreement based on Blockchain Smart contract centric computing	TRL-2
389	System and Method for Multiple Group Session Key Agreement Based on Block Chain Smart Contract Centric Computing	TRL-2
390	A Circuit And A Method for Direct Current - Direct Current (DC-DC) Conversion	TRL-4
391	Flexible spacesuit hand gloves	TRL-5
392	Intelligent Self-Driven Multiple shared Algorithm	TRL-4
393	Quantum dynamic group key agreement algorithm	TRL-4
394	Detachable Visor Wiper Apparatus for Helmets	TRL-5
395	Prevention of food harmfulness from production to customer for centralized kitchen facility using iot	TRL-5
396	A Method of Designing Advertisement Boards Using Conductive 3D Printable Electronic Sensors	TRL-5

397	Collaborative Federative Learning Approach for Internet of Vehicles Traffic Prediction	TRL-5
398	Rail Tracks and Bridge Corrosion Simulation Analysis Using Multi-Body Dynamics Approach.	TRL-4
399	Mechanism for Detection and Prevention of Water and Mud Inrush in Underground Construction Using Spatial Analysis	TRL-4
400	Method Composition of Porous Osteoconductive Scaffolds by 3D printing	TRL-4
401	Process of Developing Coatings for High Temperature	TRL-5
402	Plastics & Packing Materials Management: Plastics and Non- Recyclable Packing Added Products as Per Requirements Materials Convert into a Value	TRL-4
403	Design of Solar Energy System with effective Extraction with Lab View Environment	TRL-4
404	A Power Flow Control Method for AC-DC Hybrid Power Grid	TRL-4
405	Automatic Screening of Covid-19 from Lung Ultra Sound (LUS) images using deep neural Networks	TRL-4
406	A Probabilistic Method for Reducing Impulse Noise in Digital Color Images	TRL-5
407	Design of Eco-Energy Efficient Routing Protocol to Build Green Wireless Sensor Networks	TRL-4
408	Iot system for remote monitoring of condition of dikes for early warning of flood	TRL-4
409	Arid Land Monitoring and Applying Changes in Rural Areas to Resolve the Societal Issues using AI and IOT Technologies.	TRL-5
410	Integrated airless wheel	TRL-3
411	Iot and machine learning based navigation device for blind	TRL-4
412	A System for positioning and placements of devices connected in iot	TRL-5
413	Cloud Monitoring Device for Solar Plant	TRL-4
414	An intelligent coconut harvesting system	TRL-5

415	An ai based motion estimation system using deep learning	TRL-4
416	Switched capacitor based multi-level inverter	TRL-4
417	Hybrid renewable energy system covering energy storage device coordination method	TRL-5
418	Data Link Bridge (DLB++) for Securing the Data from Cryptanalysis	TRL-4
419	A Novel Architecture for Early Detection of Brain Stroke	TRL-4
420	Method For Detection and Quantification of Target Biomolecules	TRL-4
421	Tungsten Oxide Nano Fiber Sensors in Agro- Horticultural Practices	TR L-4
422	Process of plastic waste for products of building materials with plastic extrusion method	TRL-5
423	Products of building materials	TRL-5
424	With plastic extrusion method	TRL-5
425	A Mouse for Printing Accountability	TRL-5
426	Intelligent Headlight Brightness Auto- Adjustment System for Vehicle	TRL-4
427	A composite nano material having Multifunctional nuclear shell structure drug carrier material and method thereof	TRL-5
428	Diesel Engine Emission Reduction using Catalytic Nanoparticles	TRL-4
429	Renewable Green Energy for Sustainable Development	TRL-5
430	Investigation on Emission Reduction Potential of Nickel and Zinc coated Catalytic Converters	TRL-4
431	An Artificial Intelligence Based Wind Energy Storage and Electricity Generating System and working method thereof	TRL-4
432	System for artificial intelligence-based transceiving signal in 6g wireless communication network	TRL-4

433	A method of preparing nanographene based photonics and optoelectronics	TRL-5
434	System and method for plant disease detection using neural networks	TRL-5
435	A Method for Social Network Analysis to Quantify the Link Analysis in Social Network	TRL-4
436	Designing an efficient Wireless Network Intrusion Detection and Prediction System with Alert Mechanism using Deep Neural Network Techniques	TRL-4
437	Implementation of artificial intelligence based technique integrated with machine learning in asset management	TRL-4
438	Adversative environment conditions prediction method and device	TRL-2
439	Device developed for monitoring environmental effects	TRL-4
440	Collapsable seat (design patent)	TRL-2
441	Design patent	TRL-2
442	Design patent	TRL-2
443	Examining the difficulties of personnel management and their impact on worker productivity in various business organizations	TRL-2
444	IoT abetted aged people monitoring	TRL-4
445	Wearable abetted by IoT	TRL-4
446	Sweat sensor based wearable intelligent device to detect emotional states of a patient using deep learning	TRL-4
447	Novel methodologies for early weed detection for improvising crop yield using the algorithms of machine learning	TRL-4
448	Statistical machine learning model based on distribution networks for renewable energy production and integration	TRL-4
449	Spinel ferrite nanoparticles (SFS) for environmental monitoring and biomedical applications	TRL-4
450	Internet of things and radio frequency identification enabled smart cities for pollution monitoring from vehicles	TRL-2

451	Innovative waste management smart garbage bin	TRL-4
452	IoT based solar powered agriboat for irrigation and farm monitoring	TRL-4
453	Driver anti sleep device	TRL-4
454	Floating type screw conveyor	TRL-4
455	Portable solar powered outdoor air purifier	TRL-4
456	Pv powered multi-layer hydroponic indoor farming chamber	TRL-2
457	Elephant repellent system	TRL-2
458	Accident informer device	TRL-2
459	Smart ambulance	TRL-2
460	Student bus attendance system	TRL-2
461	Device to improve student's listening skills	TRL-4
462	Silver ion technology based human sanitization tunnel	TRL-4
463	Smoke detector for tobacco industries	TRL-4
464	Mine detecting robot with multi sensors controlled using hc-12 module	TRL-5
465	Detection of holes on the road	TRL-4
466	Alerting device during risky condition for women	TRL-4
467	Tool to protect the crops	TRL-4
468	Automated duster chalk powder cleaner	TRL-4

469	Low cost pump high capacity pump intensive shaft pump	TRL-4
470	Ozo-uv washing machine	TRL-4
471	High-capacity disinfectant spraying machine with auto-retractable hose reel for use in large public	TRL-4
472	Under water hydraulic operated weed cutting machine	TRL-2
473	Ai-based early detection of lung cancer and classifying its stages using machine learning algorithm	TRL-5
474	IoT based biometric attendance system on automatic body temperature screening using machine learning algorithm	TRL-5
475	Machine learning based prediction of recommended song selections based on the people mindset using the dataset of age and emotional words using deep learning algorithm	TRL-5
476	IoT and ai-based automated toll gate tax collection system and enhance the fast-moving of emergency vehicle to save patients using cloud database	TRL-5
477	MI and IoT based smart helmet system to detect and prevent early accidents in heavy traffic places in metropolitan cities	TRL-4
478	Smart robotic application integrated with internet of things techniques to automate the process of physiotherapy exercises	TRL-4
479	Detecting botnet cyber-attacks in IoT scenarios using dynamic residual projection of concept drift	TRL-5
480	The brushless direct current (bldc) motor-fed zeta converter uses an internet of things (IoT)-based bat algorithm and pic controller optimization	TRL-4
481	Time-critical iot applications employing energy efficient computation offloading with dvfs and deep reinforcement learning	TRL-2
482	Blockchain based technique along with techniques of internet of things (IoT) to monitor and analyse the bank accounts of a particular banking organization	TRL-2
483	House exterior as storage unit	TRL-4
484	Wireless material handling management method and process.	TRL-2
485	A novel automatic sleep staging features analysis system using machine learning	TRL-2
486	Designing an electric circuit by using a neural network with bayesian inference to select sub-routes for connecting elements	TRL-2

487	Hybrid energy system with optimization to draw more energy	TRL-2
488	Methods and systems for agricultural work by smart agriculture field boundary with ai & ict	TRL-2
489	A machine learning based approach for creating a case study of adaptability aspects of employees	TRL-2
490	Machine learning based approach to analyse the data recorded on unmanned aerial vehicle(uav) systems to predict the natural disasters	TRL-3
491	A machine learning based approach to study the parameters of stock trading	TRL-2
492	A smart wireless adhoc network framework for monitoring the remote health care system	TRL-4
493	A learning system abetted by deep learning	TRL-3
494	Methods and systems for agricultural work by smart agriculture field boundary with AI & ICT	TRL-2
495	IoT, blockchain enabled verifiable searchable encryption with aggregating authorization using machine learning techniques	TRL-2
496	System for providing roadside assistance service to users in realtime	TRL-3
497	Machine learning and pattern recognition based techniques in image processing and analysis	TRL-4
498	Wind turbine nacelle temperature controls using artificial intelligence algorithm	TRL-4
499	IoT and artificial intelligence based smart electrical load transmission, distribution, observing and monitoring systems using plc and web driver	TRL-2
500	IoT based detection and prevention of malicious attacks on phase-shifter-control in power systems using machine learning techniques	TRL-4
501	Shopping cart is enabled with IoT and abetted by ai	TRL-5
502	A data mining tool for monitoring and reporting for a change in a real-time data	TRL-4
503	See-saw pneumatic piezo and solar energy generation mechanism optimised using machine learning	TRL-2
504	Internet of things based electrical appliances control and security system	TRL-2

505	Apparatus for sanitizing articles with rotatable inner chamber to evenly distribute UV radiation	TRL-5
506	Intelligent wearable brain-computer interface system to assist paralyzed people to perform human-computer interaction	TRL-2
507	Breath analyzer to detect consumption of alcohol using digital nose	TRL-5
508	Ensure enterprise economic security by innovative activities using strategic marketing management	TRL-2
509	Navigation technique for industrial cleaning robot with multi height and width adaptability	TRL-3
510	Vision based multi object tracking and localization from autonomous aerial vehicle	TRL-4
511	A model driven engineering platform for designing multi paradigm cyber physical systems	TRL-2
512	Artificial neural network based enhancement of production system in smart industries	TRL-2
513	Smart system for providing roadside assistance service to users in real -time	TRL-4
514	Design patent	TRL-2
515	Electrically assisted two wheeler carburetor throttle control	TRL-5
516	Monitoring and altering device for LPG cylinder	TRL-4
517	Active helmet to monitor safety	TRL-5
518	Pc face mask: face mask (rgb-non-woven fabric, melt blown fabric(red), plastic noise wire(black) to protect covid-2019. Other virus.	TRL-4
519	Aom- waste treatment systems: ai- based programming for advanced operation and maintenance of waste treatment systems.	TRL-4
520	Heat transfer analysis on grooved tubes through a friction analysis on diesel engine cylinder	TRL-5
521	An noval method for empowering edge computing for source allocation based learning for industrial IoT	TRL-2
522	Method of synthesizing hybrid metal wood composite and 3d printing thereof	TRL-2

523	Eco-Friendly 3d Printing Filament Manufacturing Technique	TRL-2
524	Ivb-email: intelligent-voice-based e-mail	TRL-4
525	Flood resistant floating building structure	TRL-4
526	Indoor channel statistic properties prediction using radial basis function neural network (rbf-nn) for 5g and beyond (b5g) networks	TRL-2
527	An novel method for empowering edge computing for source allocation based learning for industrial IoT	TRL-3
528	Eco-friendly 3d printing filament manufacturing technique	TRL-3
529	Low cost metal 3d printer manufacturing method thereof	TRL-2
530	Vehicle window to control usage of air conditioner	TRL-2
531	An ai abetted green energy generating systems	TRL-2
532	Ipq-tourism management intelligent process for tourism management and quality control system	TRL-4
533	Progressive mechanized air conditioner	TRL-4
534	I-switch: intelligent switch using ir receiver and ir transmitter.	TRL-5
535	"I-key: intelligent key pattern active through biometric input"	TRL-4
536	Device, system and method for an efficient approach to improve interactions	TRL-4
537	Aqua sensor kit for checking dissolved oxygen in fish pond	TRL-5
538	I-spray: intelligent thief identifier through uv-gal spray.	TRL-5
539	Electric floor mopping machine	TRL-5
540	IoT enabled intelligent stick with cloud integration	TRL-4

541	Advanced portable refrigeration chiller	TRL-4
542	Integrated head wear and nose mask for workers of juite mill and auqa food processing industries	TRL-4
543	I-sign : intelligent sign device with real date and time	TRL-5
Vel tech - patent granted applications 03-01-2024		
544	Power generation device using spiral torsion spring during opening & closing of doors.	TRL -7
545	Wind Turbine for home appliances	TRL -7
546	Graphene Based Dome Shaped Phase Array Antenna for Space Communication	TRL -7
547	Partial replacement of coarse aggregated by using E - Waste in high strength concrete	TRL -7
548	A method for defluoridation of groundwater using corn cob and leca balls	TRL -7
549	Pedal Powered washing machine	TRL -7
550	Non -conventional Energy for Railway Application	TRL -7
551	Power line inspection robot	TRL -7
552	Cycle Time Reduction in Assembly Process by Introduction of Self-Tapping Bolt	TRL -7
553	Grass cutter using wire	TRL -7
554	Introduction of Hydrogen Oxygen Mixture at Different Injection Pressure of Diesel Engines	TRL -7
555	Umbrella based duality module for future space technology	TRL -7
556	Automatic flowrate measurement and control of water flow using telemetry	TRL -7
557	A modern electronic based fire extinguisher	TRL -7

558	Video Mosaic image creation for secure secret image transmission	TRL -7
559	A composition of geopolymers clinker aggregate and a process thereof	TRL -7
560	Mobile to mobile device controller	TRL -7
561	Water lubricated conical type teflon bearing	TRL -7
562	Re-configurable Antenna with Adaptive Function	TRL -7
563	Helical Blade Swirler for Automobile engine Application	TRL -7
564	Avoidance of Fire accident in train using RF wireless Sensor Network	TRL -7
565	Performance and Design of CPW Fed Spear Shaped Antenna at UWB Band for Wearable Applications	TRL -7
566	Automated Fire Identifying and Extinguishing Robot (AFIER)	TRL -7
567	Implantable CPW Fed Folded Type Antenna at Mics Band for Biomedical Applications	TRL -7
568	Wireless power transmission - a next generation power transmission system	TRL -7
569	Biodegradable Paper Substrate Based Amorphous Bowtie Antenna Structures for Wireless Applications	TRL -7
570	Smart Bottle of Alternate Energy Source for Military Application	TRL -7
571	Amphibious Solar antenna module (ANTSOL) for next generation communication	TRL -7
572	Adaptive Traffic Control and Mapping using Unmanned Aerial Vehicle	TRL -7
573	"16-QAM assisted full duplex bluetooth" for increased transmission range in multimedia applications	TRL -7
574	Small Metamaterial Inspired Antenna for Wimax and WLAN Applications	TRL -7
575	Customization of cow-bull horn based biomimicry antenna designs for near and far field applications	TRL -7

576	A Fabricated detachable emission filter for exhaust outlets	TRL -7
577	Medical Assistive Device For Geriatric care and orthopaedic Rehabilitation	TRL -7
578	Reconfigurable Imager and Light Communication Transceiver with Beacon Signalling	TRL -7
579	Hill climbing problem	TRL -7
580	Vision Based Control of Multiple Flapping Wing Micro Aerial Vehicles and Formation Flight	TRL -7
581	Adjustable Frame Unmanned Amphibious Aerial Vehicle with Extended Floats.	TRL -7
582	Multi-directional wind energy converter	TRL -7
583	A Passive energy dissipation device to improve global stiffness of RC Framed building	TRL -7
584	Design of continuous rechargeable seawater battery system (CRSBS)	TRL -7
585	Virtual vision using Arduino with STM32 microcontroller and Raspberry PI	TRL -7
586	Method of constructing lightweight concrete slab	TRL -7
587	Use of heat treatment salt wastes as potential abrasives in water jet machining process	TRL -7
588	Water purification using sensors	TRL -7
589	Prefabricated wall panels using geopolymers aggregate concrete	TRL- 7
590	An accelerator restriction system	TRL-3
591	Development of Clutch based Mechanical oriented Side stand Retrieval system mechanism for 2 wheelers and Method thereof	TRL-5
592	Horizontal axis, cam guided, telescopic yaw controlled wind mill	TRL-5
593	Sugarcane harvesting machine	TRL-5

594	A clutch restriction system	TRL-6
595	Double Glazing V-Trough Thermosyphon Solar Water Heater with Horizontal Wing Cut Twisted Tape.	TRL-3
596	Systems and Methods for Consumption of Electricity	TRL-2
597	IMC - charger	TRL-5
598	Improving Efficiency of Fuzzy Model for Effort Estimation by Cascading Fuzzy Logic Controller	TRL-6
599	Corrugated Boosted Reflector Solar Water Heater with Centrally Finned Twisted Tape Insert	TRL-4
600	Hydraulic System Based Clutch Lever Restriction for Two Wheeler and Method There of	TRL-6
601	Cam operated clutch restriction system	TRL-4
602	Mechanical Cam Actuated Barrel based Clutch Restriction System	TRL-3
603	C-Shaped Baffle Plate Solar Air Heater for Enhancing Heat Transfer	TRL-2
604	Multipurpose Unmanned aerialvehicle	TRL-4
605	A device for preventing sound Alarm	TRL-3
606	Method and apparatus for monitoring driver alertness using IoT	TRL-4
607	Complete multi storeyed residence water management using scada through iot sensor and cloud system	TRL-2
608	Virus Control in Shrimp Cultivation based on Internet of Things	TRL-4
609	Methodology for optimizing the performance of data learning convergence with minimal computational steps	TRL-3
610	Nutritional Health Assessment and Diet Plan Prediction System for Children	TRL-3
611	Compact and Handy Sanitary Napkin Incinerator	TRL-3

612	Automatic Dimming Circuit for Automobile Head lights	TRL-5
613	Nutritional Health Assessment and Diet Plan Prediction System for Children	TRL-3
614	An automatic natural light intensity control in room through smart window	TRL-3
615	Mine ventilation system using IoT	TRL-3
616	Agri-tech farming revolution for using plc solarwater, and fertilizers pump with new altered-nozzl	TRL-3
617	Virtual reality learning and amusement system based on artificial intelligence (ai) and IoT	TRL-3
618	A cloud computing technology-based file management and uploading method & apparatus	TRL-4
619	Development of Multi-Focus Image Fusion Algorithm for Improving the Depth of Field of imaging sensors in Visual Sensor Network Applications	TRL-5
620	Artificial Neural network based early diagnosis of health deterioration	TRL-4
621	Authentication enabled nutritional health assessment system	TRL-5
622	Modular Assembly of a Nutritional Health Assessment Device for Children	TRL-4
623	Coco Fibre Based Biodegradable plant container Fabrication	TRL-4
624	Body vitals monitoring smart mobility assistance walker	TRL-5
625	Autonomous drone with rapid response surveillance system	TRL-6
626	Portable Incense Burner with Automatic Ash Disposal	TRL-3
627	Estimating Method for Optimal Placement of Distributed Generation Unit	TRL-2
628	Integration of IOT to AI Technique for Early Detection of Intestine Cancer.	TRL-2
629	Method to Observe Fast Data Transmission Light Rays	TRL-3

630	Pressure sensor based automatic motorized fishing rod	TRL-4
631	Ensemble Machine Learning Based Robotic System for Safe Ignition of Fireworks	TRL-3
632	Food Delivery System and Method Thereof	TRL-3
633	A smart wearable protection device	TRL-2
634	3D Printer with a Filament Detection System	TRL-4
635	Bottle Configuration with multiingredients and Method Thereof	TRL-5
636	Wearable Device and Method for Treatment of Plantar Fasia	TRL-4
637	Bottle Configuration System for Preparing Beverages and Method Thereof	TRL-6
638	Filament Detection Device for 3D Printer	TRL-4
639	Multi-Chamber Mop Bucket for Cleaning and Squeezing Mop Head and Method Thereof	TRL-2
640	A Smart Portable Infusing Device for Hot Beverages and Method Thereof	TRL-3
641	Mop Bucket with Smart Cleaning System	TRL-4
642	Mop with Easy to Twist and Squeeze Mechanism	TRL-3
643	Brightness Enhancing and Super Water-Repellent Composition for Transparent Films	TRL-7
644	Wearable Device for Treating Tremors	TRL-5
645	Anti-fall Disposable Diaper with Tightening Mechanism	TRL-3
646	High Liquid Absorbent Multi-Functional Robotic Mop for Effective Cleaning and Method Thereof	TRL-4
647	Self-Cleaning Robotic Mop Brush and Cleaning Method Thereof	TRL-3

648	Control System and Method for Self Cleaning of Mop Brush in Automatic Floor Cleaning Devices	TRL-4
649	A Smart Height Adjustable Retrofit Receptacle for Trash Cans	TRL-4
650	Non-Invasive System for Treatment of Headaches and Method Thereof	TRL-4
651	An Automatic Extendable Rear Seat for a Motorcycle	TRL-6
652	Cooking System with Automatic Level Adjustment Mechanism of Containers and Method Thereof	TRL-4
653	A Portable Smart Device with Washing and Squeezing Configuration	TRL-5
654	Apparatus and Method for Noninvasive Treatment of Headache	TRL-5
655	Automatic Sorting Trash Bin and Method Thereof	TRL-4
656	A Smart Trolley with Multiple Selectively Compartments and Method of Operating Same	TRL-4
657	A System for Identifying Medication Containers and Method Thereof	TRL-4
658	A Medical Interactive Kiosk Interface Unit and Method of Use	TRL-4
659	A Surveillance System for Detecting Abnormal Situations and Method Thereof	TRL-4
660	A Portable Apparatus for Washing and Squeezing Clothes and Method Thereof	TRL-4
661	A Floor Drain Trap with an Automatic Waste Cleaning System and Method Thereof	TRL-6
662	A Height Adjustable Seat Apparatus for a Toilet Commode and Method Thereof	TRL-2
663	A Self-Wringing Mop Stick and Method of Operating Same	TRL-2
664	A Wet Grinder with a Batter Dispensing System and Method Thereof	TRL-3
665	A Sanitizer Dispensing System and Method for Automatically Sanitizing Door Handles	TRL-2

666	Fractal Based Multi-Input and Multi-Output (MIMO) Antenna with Circular Patches in Rectangular Slots	TRL-2
667	Fractal Based Multi Input and Multi Output (MIMO) Antenna for Wideband Applications	TRL-1
668	A system for studying the performance of a photovoltaic panel under shady conditions	TRL-6
669	System and Method for Converting Audio-Frequency Signal into Electromagnetic Spectrum	TRL-3
670	A Smart Trolley with a Pneumatic Alignment System for Multiple Selectively Compartments and Method Thereof	TRL-4
671	A Multi-Chambered Bottle Configuration for Preparing Beverages	TRL-3
672	A Suggestive Batter Storage Unit with an Automatic Fermentation Controlling and Detecting System and Method	TRL-2
673	A Control System and Method for a Universal Height-Adjustable Seat Apparatus of a Toilet Commode	TRL-3
674	A Smart Alcohol Stirrer for a Container and Method for Providing Interconnection between the same	TRL-4
675	A Personalized Container Having a Liquid Dispensing System and Method Thereof	TRL-2
676	A Customized Batter Storage Unit for Sorting and Fermenting a Batter and Method Thereof	TRL-3
677	An Automatic Sanitizer Dispensing Accessory for Door Handles	TRL-6
678	A Control System and Method for an Automated Hand Sanitizer Dispensing Apparatus	TRL-4
679	A Smart Personalized Multifunctional Hair Comb and Method of Operation Thereof	TRL-3
680	An Apparatus for Measuring, Trimming and Horseshoe Placement and Method of the Same	TRL-2
681	Performance and Emission Analysis of Direct injection Diesel Engine Fuelled by Biodiesel with Al ₂ O ₃ Nano Additives	TRL-3
682	A technique to identify i-v linearity in thermotropic liquid crystals	TRL- 4
683	A Smart Interactive Alcohol Detection Apparatus and Method Thereof	TRL-4

684	A Vocal Training System and Method for Suggesting Individuals Based on Voice and Facial Expressions	TRL-4
685	An Automatic Dispensing Apparatus for Quality Detection of Sanitizer and Method Thereof	TRL-5
686	An Efficient Sanitizer Dispensing Accessory for Door Handles	TRL-5
687	An Adaptable Horseshoe with an Interactive System and Method for Fitting the same	TRL-4
688	An Automatic Hair Detangling Comb and Method of Operating the Same	TRL-4
689	An Apparatus and Method for Sterilizing and Disposing Face Masks	TRL-4
690	A Container with a Treatment System for Ion Balancing and Mineralizing Water and Method Thereof	TRL-4
691	A Load Carrying Pan with Inbuilt Load Distributing Panels and Method of Operating the Same	TRL-3
692	A Smart Glove for Inspecting Quality and Purity of Cement and Mortar and Method Thereof	TRL-4
693	A Portable Concrete Mixer with a Foot-Pedal Mechanism and Method of Operating the Same	TRL-4
694	A Power-Driven Hand-Held Profile Cutting tool and Method of Operating the Same	TRL-4
695	A Traffic Baton for Detecting and Tracking Violation Vehicles and Method Thereof	TRL-4
696	A Portable Self-Cleaning Toilet Accessory and Method of Operating the Same	TRL-4
697	A Self-Wringing Mop with a Dual Twist Mechanism and Method of Operating the Same	TRL-3
698	Windshield Wiper with a deicer and a Self-Cleaning system and Method of Operating the Same	TRL-4
699	Smart glasses for assisting individuals with visual and hearing impairments and Method Thereof	TRL-4
700	A Power Operated Fastener Extracting Hand tool and Method of Operating the Same	TRL-4
701	A Smart Accessory for Allowing Partitions to a Shopping Trolley and Method Thereof	TRL-5

702	A Roof Ventilation System for Vehicles	TRL-4
703	A Multi-functional Oil Extractor for Extracting Peanut Oil and Butter and Method Thereof	TRL-4
704	An Airbag Inflation Control system and Method for Operating the Same	TRL-5
705	A Pillow with a Sleep Intrusion Evaluating Device and Method of Operating the Same	TRL-4
706	An Automatic Priming Accessory for Centrifugal Pumps and Method of Operating the Same	TRL-3
707	A System with Automatic Ultraviolet Disinfection Sheets for Disinfecting Objects and Method Thereof	TRL-4
708	Rollover Prevention and Battery Pre-heating System for Electrical Vehicles and Method of Operating the Same	TRL-4
709	A variable buoyancy floating fender	TRL-4
710	An Adaptive Relaxing Medical Chair and Method of Operating the Same	TRL-5
711	A Smart Hydroponic Farming Automation Apparatus and Method of Operating the Same	TRL-5
712	A Spring Loaded Accessory for a Cooker s Pressure Regulator and Method of Operating the Same	TRL-4
713	Smart Accessory with Size Variant Partitions for Shopping Trolleys and Method of Operating the Same	TRL-4
714	An Interactive System with a Haptic Racket and Method for Providing Reality Gaming Experience	TRL-4
715	A Twisting Accessory for a Mop Stick to Squeeze a Mop Head and Method Thereof	TRL-4
716	An Anti-Splashing System for vehicles to Prevent Water Splashing and Method Thereof	TRL-4
717	A Mono-Segmented Anti-Splashing Device for Vehicles to Prevent Water Splashing Due to Hydroplaning	TRL-4
718	A Universal Water Tank Cleaning Accessory and Method of Operating the Same	TRL-5
719	An Adaptive Glaucoma Detection Device and Method of Operating the Same	TRL-4

720	A Smart Spoon with an Automatic Crushing Unit and Method Thereof	TRL-4
721	A Conveyor System for Effective Sorting and Holding Objects and Method Thereof	TRL-3
722	A Suggestive and Defogging Eyeglasses Frame and Method of Operating the Same	TRL-4
723	Wireless Earphones with a Volume Control System and Method of operating the Same	TRL-4
724	A Smart Anti Slipping Accessory for Eyewear Glasses and Method of operating the Same	TRL-4
725	A Multi Functional Intelligent Chisel Machine with Chisel Blades and Method of Operating the Same	TRL-4
726	An Herbal Composition for Treating Breast Cancer	TRL-2
727	A Portable Device for Identifying White Spot Syndrome (WSS) Virus Disease and Method Thereof	TRL-2
728	A Multimode Ploughing Frame Unit and Method of Operating the Same	TRL-3
729	A Chainsaw Sharpening Accessory for Grinding Blade Profile of a Chainsaw and Method Thereof	TRL-4
730	A Compact Milk Processing and Packaging System and Method of operating the Same	TRL-4
731	Portable Cleaning Accessory with a Protective Cover for Vehicles and Method of Operating the Same	TRL-5
732	A Smart Accessory for Detecting Leaks in Domestic Gas Supply Hoses and Method Thereof	TRL-4
733	Electric Pedestal Fan with Self-adjustable Flaps for Air-flow Regulation and Method of Operating the Same	TRL-5
734	A Cone Penetration Testing Apparatus for Measuring Soil Properties and Method of Operating the Same	TRL-5
735	A Wearable Device for Automatically Detecting and Preventing User's Motion Sickness Condition and Method Thereof	TRL-4
736	An Apparatus for Conducting CBR Test and CPT Test and Method of Operating the Same	TRL-5
737	A Portable Accessory for Chairs to Lift an Individual from a Seated Position and Method Thereof	TRL-4

738	An Electric Toothbrush with an Automatic Tongue Scraper and Method of Operating the Same	TRL-4
739	An Anti-Leakage Detection and Self Sealing Accessory for Gas Supply Hoses and Method Thereof	TRL-4
740	A Light Post with an Air Purification Unit for Purifying Ambient Air and Method Thereof	TRL-5
741	A Flexible Stub Axle Assembly for Racing Vehicles	TRL-2
742	A Smart Protective Case Accessory for an Electronic Device and Method of Operating the Same	TRL-5
743	A Poly-herbal Anti-Diabetic Composition and Method of Preparing the same	TRL-2
744	Smart Aquatic Propulsion Vehicle for Surfing on Water Bodies and Method of Operating the Same	TRL-5
745	An Adjustable Pedal Device with a Foot Rest Platform for a Vehicle and Method Thereof	TRL-5
746	Automatic Hyperbaric Chamber with Standoff Sleeves for Welding Pipelines and Method of Operating the Same	TRL-5
747	A Paddle Wheel Aerator with a Swirl Generating Unit for Aerating Water	TRL-2
748	A Rainwater Purification Device and Method for Operating the Same	TRL-2
749	An Apparatus for Measuring Free Space in Core Cutter to Find Soil Volume and Dry Density	TRL-4
750	A Method for Controlled Expansion of a Floating Fender to Adapt for Different Water Levels	TRL-5
751	Control Valve with a Cost-effective Design to Control a Flow of Fluids and Method Thereof	TRL-5
752	A Concealed Suspension Lean Stand for Two wheelers to Provide Support in a Leaning Position	TRL-5
753	A Self-Controlled Water Floating Oil Skimmer and Method of Operating the Same	TRL-2
754	A Lever-type Accelerator Apparatus for a Gearless Two wheeler Vehicle and Method of Operating the Same	TRL-4
755	Multi-Functional Helmet with a Rain and Neck Protection Unit and Method of Operating the Same	TRL-5

756	A Portable Stair Climbing Accessory and Method for Operating the Same	TRL-3
757	Optimized Spray Dryer with an Inbuilt Pulverize System for Producing Fine Particles and Method Thereof	TRL-5
758	A Unitary Cashew Fruit and Nut Processing Machine and Method of Operating the Same	TRL-4
759	A Pedestal Fan with an Integrated Air Purification System and Method for Operating the Same	TRL-5
760	A Cost-Effective Aquaponics System for Recycling Nutrition Liquid and Aeration Processes and Method Thereof	TRL-5
761	An Effective Pottery Making Machine and Method of Operating the Same	TRL-5
762	An Optimized Universal Coir Rope Making Machine and Method of Operating the Same	TRL-4
763	A Nutraceutical Topical Dermal Composition and Method of Preparing the Same	TRL-3
764	Nanostructured catalysts for enhanced hydrogen production via steam methane reforming	TRL-4
765	Novel membrane technology for selective separation of Azeotropic mixtures in pharmaceutical manufacturing	TRL-3
766	Formulation of Natural Product Based, Economic, Effective and Ecofriendly Low Foaming Cleansing Liquid for Soft Textiles and Metal Surfaces	TRL-3
767	Formulation and Methods for The Preparation of Herbal Medicated Transparent Soap	TRL-3
768	Method for Microfabrication of One-Dimensional (1D) Photonic Crystal Layered Point-of-Care Device for Detection of Biomarker(S) of Renal Dysfunction	TRL-3
769	Automatic Inlet and Outlet Control Device for Overhead Service Reservoirs in Multi Village Water Supply System	TRL-3
770	Solar desalination plant	TRL-4
771	Advanced Earthquake Resistant Building Design with Shape Memory Alloys	TRL-4
772	Deep Monitoring System to Forecast Defects in A Building and Provide Alerts to Builders	TRL-3
773	Self-Healing Concrete with Microbial-Induced Calcite Precipitation	TRL-3

774	Touch controlled concrete hardness testing device	TRL-3
775	Non-Pozzolanic Filler Material for Improving the Flexural Strength of Concrete	TRL-3
776	Method and system for providing machine learning (ml) model for assessing corrosion and durability of materials in real time to assist civil constructions	TRL-4
777	Method for Compressive Strength Determination of Crushed Rock Concrete	TRL-3
778	A System for Tagging iot Device Based on Convolutional Neural Network (CNN) and Method Thereof	TRL-3
779	A Generic Framework for Social Feedback Analysis for Organizational Growth	TRL-3
780	Acadn -object detection system: automatic object detection system with image classification and deep neural networks	TRL-4
781	ISAFE-DNN: Intelligent System for Assisting Fire Egression using Deep Neural Networks	TRL-4
782	Speech Emotion Recognition: Speech Emotion Recognition using Deep Learning	TRL-3
783	Method and System for Implementing Machine Learning (ML) Techniques for Efficiently Managing Stock Trading	TRL-4
784	Method and System for Providing An Intelligent Collision Detection System for Determining Acceleration and Velocity of Vehicles and Altering Surround Users	TRL-4
785	Constructing dynamic clustering rdf datasets using query provenance in linked data	TRL-3
786	An Intelligent C/C++ Family Code Sketch Assistant (ICSA) to Predict and Sketch the Programming Code.	TRL-3
787	A novel approach for complaint prioritization using deep learning	TRL-3
788	Energy auditing for iot system security by deep learning convolution neural network	TRL-4
789	Novel Cable Operated Lightweight and Flexible Prosthetic Hand	TRL-3
790	Method and System for Providing Quantum Computing Architecture with Error Correction Mechanisms	TRL-2
791	Method and System for Implementing Blockchain- Based Secure Identity Verification Protocol	TRL-3

792	Deep Learning Models to Study and Analyse the ChatGPT and Its Impact on Different Fields	TRL-3
793	Automated Web Page Layout Design using Genetic Algorithms	TRL-3
794	Hybrid Classification Scheme for Plant Disease Recognition and Detection in Image Processing	TRL-3
795	Distributed AI Image Processing & IoT Based Elephant Herd Identification and Detection System	TRL-3
796	Method and System for Providing An Intelligent Collision Detection System for Determining Acceleration and Velocity of Vehicles and Altering Surround Users	TRL-4
797	Design and Analysis of Self-Protection Framework System Integrate with Fog Computing and IoT	TRL-3
798	Method for Providing An Intelligent Internet-of-Things (IoT) Based Smart Home Monitoring System.	TRL-3
799	A System and A Method for Selection of The Higher Education Course using Artificial Intelligence	TRL-3
800	Scalable Multi Sensor Networking Protocol to Interface Upcoming Internet of Everything (IoE) Devices	TRL-3
801	The System and Method of Artificial Intelligence and Image Processing Approaches in Damage Assessment and Material Evaluation	TRL-3
802	Secured System to Identify Illegal Disposal of Waste using IoT and Methods	TRL-3
803	A novel approach for complaint prioritization using deep learning	TRL-3
804	Flying vehicle abetted additive manufacturing	TRL-2
805	Human sentiment analysis: neural network-based human sentiment analysis using deep learning programming	TRL-3
806	Method and System for Implementing Machine Learning (ML) Techniques for Efficiently Managing Stock Trading	TRL-4
807	Method and System for Utilizing Artificial Intelligence (AI) Techniques for Implementing Predictive Analytics in Artificial Intelligence (AI) Based Smart Farming	TRL-4
808	System and Method for Performance Evaluation of Statistical Classifiers for Shape Recognition.	TRL-3
809	ACDN -object detection system: automatic object detection system with image classification and deep neural networks	TRL-4

810	ISAFE-DNN : Intelligent System for Assisting Fire Egression using Deep Neural Networks	TRL-4
811	Method of Energy and Deadline Based Scheduling of Tasks in Cloud Computing using Greedy Algorithm.	TRL-3
812	Adaptive Reinforcement Learning: Dynamic Policy Updating for Continuous Learning in Complex Environments	TRL-3
813	Method and System for Implementing Machine Learning (ML) Techniques for Efficiently Managing Stock Trading	TRL-4
814	System and Method for Performance Evaluation of Statistical Classifiers for Shape Recognition.	TRL-3
815	Method and System for Utilizing Artificial Intelligence (AI) Techniques for Implementing Predictive Analytics in Artificial Intelligence (AI) Based Smart Farming	TRL-4
816	An Intelligent C/C++ Family Code Sketch Assistant (ICSA) to Predict and Sketch The Programming Code.	TRL-3
817	Method of Energy and Deadline Based Scheduling of Tasks in Cloud Computing using Greedy Algorithm.	TRL-3
818	Adaptive Reinforcement Learning: Dynamic Policy Updating for Continuous Learning in Complex Environments	TRL-3
819	Constructing dynamic clustering rdf datasets using query provenance in linked data	TRL-3
820	ACDN-object detection system: automatic object detection system with image classification and deep neural networks	TRL-4
821	A Smart and Efficient Hospital Management System Over the Cloud for Data Analysis and Security in Case of Pandemics	TRL-3
822	Augmented reality based personalized smart diet assistance system	TRL-3
823	I-switch: intelligent switch using IR receiver and IR transmitter	TRL-3
824	Method and System for Providing Low-Noise Analog Front-End Architecture for Biomedical Signal Acquisition	TRL-3
825	Next-Generation Compact 5G Antenna Array with Thermal Conductive Sheet for Massive Multiple-Input Multiple-Output (MIMO) Systems	TRL-4
826	A Wideband SIW Cavity-Backed Antenna with L-Shaped Slot for X-Band Applications	TRL-3
827	A Method for Developing A Low Profile Wideband SIW Cavity-Backed I-Shaped Slot Antenna	TRL-3

828	A New Lookahead Sampling Particle Filter and Method Thereof	TRL-3
829	Artificial Intelligence (AI) Enabled High-Frequency RF Energy Harvesting Circuit with Improved Efficiency	TRL-3
830	Optimisation of Multi Wavelength Drone Images for Better Visualisation using Geo Reference Model	TRL-3
831	Artificial Intelligence Based Intron Retention Detection and Identification for Neural Diseases	TRL-3
832	Design of High Throughput and Low Latency Double Precision Floating Point Arithmetic Unit for Space Signal Applications	TRL-3
833	Development of Android Chatbot Application using Artificial Intelligence System	TRL-3
834	Implementation of Surveillance Monitoring using ESP 32 - Cam Module	TRL-3
835	Method for Providing Smart Handheld Electronic Devices for Collaboration and Management of Personal Electronic Data	TRL-3
836	A low-profile hexa-band nanogonol ring fractal antenna	TRL-3
837	Method and System for Implementing Smart Automotive Electronics for Sensing Data From Vehicles	TRL-3
838	Method and System for Providing Smart Charging to Electronic Devices using Artificial Intelligence (AI) Techniques	TRL-3
839	A Connector Module for A VLSI Circuit with A Battery Pack	TRL-3
840	An OFDM Channel Estimation and Signal Detection Method Based on Deep Learning	TRL-3
841	A System Having Synchronous Signalling for Interfacing VLSI Circuit	TRL-3
842	Performance Enhancement in MIMO System using Fuzzy Interference Artificial Neural Network	TRL-3
843	A Novel Method and System for Designing VLSI Circuitry to Optimize the Integrated Circuit Operation	TRL-3
844	A single feed broadband substrate integrated waveguide back cavity rectangle slot antenna	TRL-3
845	Dual-Band Miniaturized Quadrant Circular Shaped Slot Antenna Based on Substrate Integrated Waveguide	TRL-3

846	A Closed Loop Serpentine Crawling Technique for Two Anchor Peristaltic Mobile Soft Robot	TRL-3
847	VLSI Based Implementation of Robotic Arm Control with Leap Motion	TRL-3
848	Method for Adaptive Artifact Elimination for Cleaning Brain Waves in Remote Patient Monitoring	TRL-3
849	IoT -Enable Wireless Sensor Networks for Controlled and Safe Routing	TRL-3
850	Development of Multi-Focus Image Fusion Algorithm for Improving the Depth of Field of Imaging Sensors in Visual Sensor Network Applications	TRL-3
851	PIG - Intelligent Chatbot System: Process (Sales Transaction) to Use Information Gathered by An Intelligent Chatbot System	TRL-3
852	System for Speech Signal Analysis and Synthesis Using Normalized MEL Frequency Cepstral Coefficients	TRL-3
853	Low-profile wideband substrate integrated waveguide cavity-backed antenna with dumbbell slot	TRL-3
854	A Disinfectant System for UV Based Germicide	TRL-3
855	IVEP - Surveillance System: Intelligent Video Surveillance System Ensuring Privacy of People	TRL-3
856	Broadband Antenna Based on Substrate Integrated Waveguide Technology with BOW-TIE Shaped Slot	TRL-3
857	Method and System for Providing Plug-In Based Intelligent Hybrid Electric Vehicles	TRL-4
858	Method for Fabricating Flexible Electronic Devices Via Assembly of Inorganic Structures of Varied Dimensions for Nano, Micro, and Chip-Scale Integration	TRL-4
859	Artificial Intelligence (AI) Based High-Efficiency DC-DC Converter for Dynamically Charging Electric Vehicles	TRL-4
860	Artificial Intelligence Based Smart Power Grid Management System with Distributed Energy Resources Integration	TRL-4
861	Solar empowered agriculture robot	TRL-3
862	Method and System for Providing IoT Enabled Smart Electrical Meters for Predicting Electrical Power Reliability	TRL-4
863	Integrating Electrical Appliances with Embedded Internet of Things (IoT) Hub for Automatic Upgradation	TRL-3

864	Method for Assessing Operating Status of Electrical Motors using Machine Training (ML) Models	TRL-3
865	Method for Automatically Upgrading A Power Tool System Integrated with A Cloud Server and iot Module	TRL-3
866	Method and System for Providing Plug-In Based Intelligent Hybrid Electric Vehicles	TRL-4
867	System and Method of Intelligent Food Vending Machine Kiosk	TRL-3
868	Compact washing machine	TRL-3
869	Bidirectional DC-DC Power Converter Circuit to Reduce Current Ripples	TRL-3
870	Integrated monitoring and controlling device for distribution	TRL-3
871	WCNM -Smart City: Waste Collection and Notification Management System for Smart City using iot	TRL-3
872	Method and System for Providing Multimodal Interaction Assisted Autonomous Intelligent Virtual Assistant	TRL-4
873	Adaptive Reinforcement Learning: Dynamic Policy Updating for Continuous Learning in Complex Environments	TRL-3
874	Method and System for Providing Blockchain-Based Secure Data Sharing and Collaboration Platform	TRL-3
875	Method for Image Tamper Detection and Recovery using Multiple Watermarks	TRL-3
876	Method and System for Utilizing Artificial Intelligence (AI) Techniques for Implementing Predictive Analytics in Artificial Intelligence (AI) Based Smart Farming	TRL-3
877	Artificial Intelligence and IoT Based Efficient Management of Economical Vehicles Utilized on Sharing Basis	TRL-3
878	An Intelligent C/C++ Family Code Sketch Assistant (ICSA) to Predict and Sketch The Programming Code.	TRL-3
879	lumI - stock prices predictor: intelligent stock prices predictor using machine learning	TRL-3
880	PCEE - Security Mechanism System: Prefix Coding with Embedded Encryption Security Mechanism System.	TRL-3
881	Enhanced fingerprint authentication system by gabor filter and classification dictionaries learning	TRL-3

882	Customized placement training assistance for students using artificial intelligence	TRL-3
883	Energy auditing for IoT system security by deep learning convolution neural network	TRL-3
884	Effective instructor feedback system for education system and methods thereof	TRL-3
885	A Smart and Efficient Hospital Management System Over the Cloud for Data Analysis and Security in Case of Pandemics	TRL-3
886	Augmented reality based personalized smart diet assistance system	TRL-3
887	FML - Prediction: Fitness Prediction using Machine Learning	TRL-3
888	I-switch: intelligent switch using IR receiver and IR transmitter	TRL-3
889	Method and System for Implementing Machine Learning (ML) Techniques for Efficiently Managing Stock Trading	TRL-4
890	Automated Web Page Layout Design using Genetic Algorithms	TRL-4
891	Constructing dynamic clustering rdf datasets using query provenance in linked data	TRL-3
892	Method of Energy and Deadline Based Scheduling of Tasks in Cloud Computing using Greedy Algorithm.	TRL-4
893	Advanced Regenerative Vehicle Suspension System with Artificial Intelligence for Energy Recovery	TRL-4
894	Machine Learning Based Real-Time Robotic Inspection Planning and Maintenance System for Industrial Equipment	TRL-4
895	Development and Fabrication of Filament Extruder for 3D Printer and Material Recycling	TRL-3
896	Device for Electricity Generation from Waste Water Treatment	TRL-3
897	Smart HVAC System with Integration of Predictive Climate Control and Machine Learning	TRL-4
898	Novel Cable Operated Lightweight and Flexible Prosthetic Hand	TRL-4
899	Solar powered seawater desalination apparatus	TRL-4

900	Automatic pesticide spraying robot- application number	TRL-3
901	Efficient wind turbine blades with adaptive twist mechanism	TRL-4
902	Investigation on Emission Reduction Potential of Nickel and Zinc Coated Catalytic Converters	TRL-3
903	An Automated Decompression Mechanism for Valve- Regulated Internal Combustion Engines	TRL-4
904	Natural Fibre Composites with Improved Impact Resistance and Preparation Method Thereof	TRL-3
905	A Control System for Internal Combustion Engines Utilizing Flexible Alternative Fuels and Method Thereof	TRL-4
906	A Nanorobotic Arm to Operate in The Endoscopy	TRL-4
907	Ultra-Lightweight Natural Fiber Composites for Aerospace Applications	TRL-3
908	Incorporation of Electric Preheating and Oil Distribution in IC Engine	TRL-4
909	A System and Method for Context-Based Simulation Models using IoT for Improved Analysis	TRL-3
910	Leaves shredder	TRL-3
911	Heat engine operated by solar energy	TRL-4
912	Agricultural robot	TRL-3
913	Electric Scooter for Handicapped	TRL-3
914	Door-mounted refrigerator	TRL-3
915	A vehicle tyre cutting machine	TRL-3
916	Wheel Chair with Floor Cleaning Arrangement	TRL-3
917	Cooking stove	TRL-3

918	Humanoid robot: intelligent humanoid robot that includes a torso, a pair an arms, two hands, a neck, head, and logic	TRL-3
919	Intelligent manufacturing process: computer intelligent manufacturing process and testing system. (aid physical three-dimensional object)	TRL-3
920	Fc lawn mover	TRL-3
921	Method for Microfabrication of One-Dimensional (1D) Photonic Crystal Layered Point-of-Care Device for Detection of Biomarker(S) of Renal Dysfunction	TRL-4
922	ISAFE-DNN: Intelligent System for Assisting Fire Egression using Deep Neural Networks	TRL-4
923	WCNM -Smart City: Waste Collection and Notification Management System for Smart City using IoT	TRL-3
924	A Novel Method of Big Data Retrieval System using Machine Learning	TRL-3
925	Smart iot Based System for Home Automation System	TRL-3
926	Method of Energy and Deadline Based Scheduling of Tasks in Cloud Computing using Greedy Algorithm.	TRL-4
927	Method and System for Implementing Machine Learning (ML) Techniques for Efficiently Managing Stock Trading	TRL-4
928	Method and System for Utilizing Artificial Intelligence (AI) Techniques for Implementing Predictive Analytics in Artificial Intelligence (AI) Based Smart Farming	TRL-4
929	Method for Microfabrication of One-Dimensional (1D) Photonic Crystal Layered Point-of-Care Device for Detection of Biomarker(S) of Renal Dysfunction	TRL-4
930	System and Method for Performance Evaluation of Statistical Classifiers for Shape Recognition.	TRL-3
931	Broadband Antenna Based on Substrate Integrated Waveguide Technology with BOW-TIE Shaped Slot	TRL-3
932	Method for Microfabrication of One-Dimensional (1D) Photonic Crystal Layered Point-of-Care Device for Detection of Biomarker(S) of Renal Dysfunction	TRL-4
933	Integrating Electrical Appliances with Embedded Internet of Things (IoT) Hub for Automatic Upgradation	TRL-3
934	Method for Automatically Upgrading a Power Tool System Integrated with A Cloud Server and iot Module	TRL-3
935	Method and System for Providing IoT Enabled Smart Electrical Meters for Predicting Electrical Power Reliability	TRL-4

936	Machine Learning Based Apparatus for Carbon Capture and Storage (CCS) of Flue Gas Discharged from Marine Facilities	TRL-3
937	Method and system for providing machine learning (ml) model for assessing corrosion and durability of materials in real time to assist civil constructions	TRL-4
938	Method and System for Automated Language Learning and Proficiency Assessment	TRL-3
939	Generative Adversarial Networks (GAN) Assisted Mathematical Framework for Artistic Style Transfer from Text	TRL-3
940	Method and System for Quantitative Analysis of Music Patterns for Emotional Response Prediction	TRL-3
941	Method and System for Enabling Seamless Translation of Language/ Speech using Artificial Intelligence Models	TRL-3
942	Method and System for Real-Time Assessment of Data Related to Novel Coronavirus (Covid19) using Statistical Models	TRL-3
943	Magneto hydrodynamic heat transfer using water based nano fluids with solet and viscous dissipation effects	TRL-3
944	Under Water Pollution Monitoring System To Prevent Fatalities of Aqua Ecosystem	TRL-3