



# KALASALINGAM

## ACADEMY OF RESEARCH AND EDUCATION

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### PATENTS GRANTED IN THE AREA OF SOLAR ENERGY

S. No	Patent details	Patent Number
1.	Portable solar powered house	296907
2.	Solar Hot Box	306647
3.	Solar Electric Candle	306649
4.	Generator Powered Concrete Mixer	313498-003
5.	Solar Electric Multi Candle	306648
6.	Portable Solar Vegetable and Fish Dryer	306764
7.	Display Tray for Solar Flower	310989
8.	Solar fish Tank Lid for Aquiculture	306646
9.	Solar Powered Speed Breaker Alerting Device	313558-003
10.	Solar Powered Portable Speed Breaker Alerting	313580-001
11.	Solar Powered Liquid Mixer	313615-002
12.	Solar Cricket stump stand	316782-001
13.	Solar Cricket stump stand with Stumps	316782-002
14.	Solar Powered Container with Liquid Mixer	313615-001
15.	Solar Vendor's Cart with Mist spraying system	316779-003
16.	Solar Surface Mat with Mist spraying system for Vendors	316777-002
17.	Solar Operable Touch Free Sanitizer Dispenser	332951-001
18.	Solar Operable Automatic Sanitizer with Detachable Solar Panel	334511-002
19.	Solar Operated Touch Free Sanitizer with LED Illumination	334511-001

**2021 Patent list**

S.No.	Application No.	Title of the Invention
1	202041055859	A SYSTEM AND METHOD FOR ASSISTING DRIVING IN A GHAT REGION
2	202141007257	WEARABLE / PORTABLE ELECTRICAL MUSCLE STIMULATION BELT
3	202141007258	KGB INTELLIGENT NEBULIZER
4	202141007582	ANGER PREDICTION AND CONTROL USING MACHINE LEARNING
5	202041057496	3D Composite Filament Extruder
6	202121012313	ARTIFICIAL NEURAL NETWORK BASED DETECTION OF COVID-19 FROM CHEST X-RAY
7	202111012748	OBJECT IDENTIFICATION SYSTEM FOR BLIND PEOPLE
8	202141012130	A COIN RECOGNITION SYSTEM FOR BLIND PEOPLE
9	202141015800	An IOT Based Smart Necklace for Improving Mobility of Blind People
10	202141016927	USING ZIGBEE WIRELESS PROTOCOL FOR DETERMINING YIELD DETECTION AND CROP QUALITY
11	202141017941	SOLAR POWERED ESCALATOR
12	202141016846	MANURE SPREADING IN PRECISION FERTILIZATION BY HYDRAULIC DEVICE WITH DRAGGLED TECHNOLOGY
13	202141016824	PREDICTIVE CONTROL IN SMART AGRICULTURAL VEHICLE FOR IN-LINE PATH TRACKING
14	201941045091	FUEL TYPE VOICE INDICATOR
15	202141020278	SMART DEVICE TO DETECT THE RATIO OF CONCRETE MIXTURE
16	202141020964	TILED SOLAR DISTILLATION SYSTEM
17	202141021100	DESIGN AND FABRICATION OF MICROSTRIP PATCH ANTENNA FOR WIRELESS 5G APPLICATIONS
18	202141022856	REAL TIME PATIENT HEALTH MONITORING AND INDICATION TO DOCTORS USING IOT
19	202141022991	FALL DETECTION AND AVOIDANCE SYSTEM FOR OLDSTERS
20	202141023148	Smart Socket- An Technology Enabler To Prevent Electrical Hazards in Household Applications
21	202141024843	AN INTELLECTUAL APPROACH FOR ENERGY PRESERVATION IN COMMUNAL LIGHTNING SCHEME USING IOT
22	202141022937	AGRI CARE DEVICE
23	202141022958	AUTOMATIC INJECTION SYSTEM FOR HEALTHCARE APPLICATIONS
24	202141022985	MK MED ASSISTIVE BOT
25	202111022948	AN ADVANCED FINANCIAL SUPPLY CHAIN SYSTEM (FSCM) AND METHOD THEREOF
26	202031000047	WALKING STICK DROPPER ALARM (GRIPPING SENSOR)
27	202141026587	A ROADMAP FOR BUILDING AN SLA MANAGEMENT ARCHITECTURE FOR IOT NETWORKS
28	202141022959	SMART FACIAL DOOR LOCK SYSTEM
29	202141030825	Intelligent IOT and 5G based patient care system
30	202141042017	An investigation into E-commerce and its impact on the Indian market and retailers
31	202141047295	Integrated human- machine intelligence for EV charging in 5G smart grid
32	202131043795	INTELLIGENT AND AUTOMATIC PLUG-IN HYBRID ELECTRIC VEHICLES

33	202141050927	Machine Learning Method & System For Solving a Prediction Problem from larger data source
34	202141053106	EFFECTIVE AND COMPACT FACE DESCRIPTOR FOR DRIVER DROWSINESS DETECTION APPLIED WITH MACHINE LEARNING AND VISUAL BEHAVIOR
35	202041043831	FORK LIFTER CAMERA
36	202041043832	AUTOMATIC SOLAR OPERABLE SANITIZER DISPENSER WITH ROOT LED LIGHT
37	202041043833	AUTOMATIC BATTERY OPERATED WATER TAP DISPENSER
38	202041043834	AUTOMATIC WATER TAP DISPENSER
39	202041043835	LED SIGN PATHWAY MAT
40	202041043836	FOOT OPERATED SANITIZER DISPENSER
41	202041043837	LED SIGN PATHWAY CONE
42	202141053360	METHODS FOR PROVIDING TRUSTED AND SECURE ECOMMERCE TRANSACTIONS
43	202141053761	Effective learning organization and the role of human resources department
44	202141053855	IoT BASED EVENT DRIVEN AIR QUALITY SENSOR NETWORK TO DETECT FOREST FIRES USING DRONE BASED INTELLIGENT MICRO ELECTRICAL AND MECHANICAL SYSTEMS (MEMS) TECHNOLOGY
45	202141056025	PORTABLE HYDRAULIC WORK PLATFORM FOR FRP TANK MANUFACTURING PROCESS
46	202141056026	SOLAR POWERED HUMAN DETECTION SYSTEM FOR EMERGENCY EXIT
47	202141056027	TILTABLE HYDRAULIC TIPPING TRASH EMPTYING DEVICE
48	202141056028	SHOE SOLE CLEANING EQUIPMENT
49	202141056029	WATER GLASS WITH UV STERILIZED WITH SOLAR STIRRER LID
50	202141056030	WHEEL CHAIR TRANSFERRING HOIST FOR AMBULANCE
51	202141056031	AUTOMATIC MEDICATED PILLS DISPENSER WITH DOSAGE INFORMER
52	202141056795	SYSTEM AND METHOD FOR ALZHEIMER DISEASE RECOGNITION
53	202141056796	ELECTRIC VEHICLE BATTERY MONITORING SYSTEM AND METHOD THEREOF
58	202141056974	SYSTEM AND METHOD FOR WEATHER PREDICTION
59	202141056975	TWIN-SCREW EXTRUDER
60	202141056976	SYSTEM AND METHOD FOR AUTOMATIC ATTENDANCE WITH THERMAL SCANNING
61	202141056977	SYSTEM AND METHOD FOR IMPROVED LOW VOLTAGE-RIDE THROUGH (LVRT)
62	202141057079	SYSTEM AND METHOD FOR MONITORING AND CONTROLLING CONCENTRATION LEVEL OF HARMFUL GASES
63	202141057080	REHABILITATION CHAIR FOR PAIN MANAGEMENT
64	202141057081	SURVEILLANCE SYSTEM FOR MINERS AND METHOD THEREOF
65	202141057082	AGRICULTURAL TOOL
66	202141057943	SMART JACKET FOR SOLDIERS
67	202141057944	MEDICAL CHATBOT AND METHOD OF PROVIDING VOICE ASSISTANCE

68	202141057945	WASTE MONITORING SYSTEM AND METHOD FOR GARBAGE BINS
69	202141057946	SMART DISINFECTION PROTECTION BOOTH
70	202141057947	ELECTROCHEMICAL MACHINING DEVICE
71	202141057948	MEDICINE DISPENSING SYSTEM AND METHOD THEREOF
72	202141057949	HEALTH MONITORING DEVICE AND METHOD
74	202141058941	MULTI-PURPOSE PATIENT BED
75	202141058942	MINI DRAFTER
76	202141058943	HIGHER ALTITUDE WALL PAINTING MACHINE
77	202141058944	HIGH HEAT TRANSFERABLE BIODEGRADABLE SUBSTRATES FOR MOLDABLE INTERCONNECT DEVICES
78	202141058945	PORTABLE DIAGNOSTIC DEVICE AND METHOD FOR DETECTION OF SKIN CANCER
79	202141059024	SYSTEM AND METHOD FOR AUTOMATIC DOOR OPENING WITH THERMAL SCANNING
80	202141059025	WASTE MANAGEMENT SYSTEM AND METHOD
81	202111059006	ARTIFICIAL INTELLIGENCE BASED IR (INFRARED) ANOMALY DETECTION FOR POWEREQUIPMENT USING YOLOV3
82	202141058303	INFLUENCE OF IOT IN MICROBIAL FUEL CELL FOR MASS PRODUCTION OF ELECTRICITY
83	202141058624	POWER SUPPLY WITH ADJUSTABLE OUTPUT FOR BIOMEDICAL DEVICES AND SAFETY SYSTEM USING INTERNET OF THINGS (IoT)

## 2022 Patent list

S.No.	Application No.	Title of the Invention
1	202141060480	Damped Blanket Squeezer Machine
2	202141060482	Portable Fire Fighting Equipment Trolley
3	202141061041	Remote Authentication System and Method
4	202141061042	Method of Preparing Adhesive from Tamarind seeds
5	202141061043	Syastem and method for fuel quantity Monitering
6	202141060483	Digital Message informer with audibility
7	202141060484	Temporary Stanchion with LED ARROY FOR airport
8	202141060485	Flood Evacuating floating pump
9	202241000950	Electrical Energy Controlling system and method for educational institutions
10	202241000951	Smart Street light system
11	202241000952	Method for Ripening Fruits
12	202141058031	Method of Preparing Alcohol Based Hand Sanitizer
13	202141058032	Saline Level Monitering system and Method
14	202141058033	Method of Extracting hydrochar from sewer sludge and munucipal solid waste

15	202141059774	Jaundice Detection system and method
16	202141059775	System and method for drying crops
17	202141059776	Partues Method Partues Method for mixing fire chemicals
18	202141059777	Method of preparing biodegradable film using mango kernel and mango peeling
19	202141059778	Mosquito repellent incense and method of preparing the same
20	202241001326	Wear resistance of basalt particulate reinforced stir cast A17075 metal matrix composites technology
21	202241001742	Food feeding system and method thereof
22	202241001743	SYSTEM AND METHOD FOR EYE DISEASE DETECTION
23	202141056032	PORTABLE RETRACTABLE SHELTER FOR CAR
24	202141057652	Coin counting machine deep learning based image Processing
25	202141058377	Carbage bin overflow indication system and method
26	202141058378	Grass cutting machine and method
27	202141058379	Beverage cooling apparatus and method
28	202141058380	System and method for preventing
29	202141058381	Bacteria Encapsulated alginate beads for plant growth enhancement
30	202141058510	Biometrics based locker security system and Method
31	202141058511	Speech based security system
32	202141058576	System and method for monitoring and controlling conversation level of Harmful gases
33	202141058577	Multi -staged waste water treatment system and method
34	202141058578	System and method for detecting Osteoarthritis using image Enhancement
35	202141058753	Low cost Protein rich animal feed from silkworm pupae waste
36	202141058754	Smart Army Jacket
37	202141058755	Water quality monitoring system and Method
38	202141059511	Method of Preparing biodegradable food packaging from seemai karuvelam
39	202141059512	Automatic lighting control system and method
40	202141061311	Eco Sustainable light weight low calcium geopolymer brick
41	202141061312	Method for preparing phyco-vermicompost for double fertilizer treatment of chili plants
42	202141061313	Method of increasing shelf -life of panner
43	202141061314	System and method for disease prediction
44	202141061360	System and method for obstacle detection
45	202141062138	Assistance system and method for elderly person
46	202141062140	Eco - sustainable three dimensional printed Geopolymer brick
47	202241000438	Relationship marketing in hotel organizations
48	202241001740	Chainless Bicycle
49	202241001741	Method of producing Tamarind powder
50	202241002458	An IOT Based technique to detect and prevent crime over cloud
51	202241002963	Method of preparing herbal sanitization kit

52	202241002964	Method of preparation of thermal insulation plaster
53	202241002965	Robotic weed removing apparatus and method there of
54	202241002966	System for indicating liquified petroleum gas level
55	202241002967	Method of preparing organic manure to promote plant growth and crop yeild
56	202241003220	Patient management in hospital emergency system using blockchain
57	202241003768	COVID-19 Patient Healthcare monoterung system using IoT and wearable sensors
58	202241003861	Method for isolation of immunoglobulin -Y aniboby from immunized egg laying animal
59	202241003862	Method of preparing silver nitrate nanopaarticle coating for mycelia brick
60	202241003863	Method of manufacturing paver block
61	202241003864	Apparatus and method for production of conductive ink from combustion gas
62	202241005506	Nanomaterial based optical sensor
63	202221002930	Mathematical learning analytics learning analytics modelling for academic performance status reports
64	202141060481	Inflight Garbage collecting foldable trolley
65	202241006147	Smart Intrusion Discovery Systems using ML for Cyber Threats in IoT-Networks
66	202211005677	In Silico screening physicochemical and Pharmacological and pharmakinetic analysis of baimantuoluoamide A and baimantuoluoamide B alkaloids as Potential anti - COVID 19 Drug candidates
67	202241007199	AI (Artificial Intelligent) based Gas detection and prevention device using Microcontroller and zigbee approach
68	202241008038	Two stage evaporative air cooler
69	202241007993	IoT Based Secured and Energy- Efficient Routing Protocols using Wireless Sensor Networks (WSNs)
70	202241008036	Vehicle load detection system and method
71	202241008037	Method for preparing biofertilizer to promote plant growth and crop yeild
72	202241008039	Method for preparing pannerusing leguments
73	202241008040	Cloud - based encryption system and method for maintaining patient data
74	202241009073	IOT Based infant health monitoring system
75	202241009289	Method of store and share the electronic health records , IOT data in a secure and privacy aware manner
76	202241009364	ML Based Cyber security Attack Recognition for WSN Microgrids
77	202241009788	System and method for Measuring leg angular Movement
78	202241009794	Method to detect and forecast Weather
79	202241010451	Security Tracking Big Data Processing System with Cloud Computing
80	202241012142	Accounting Information System (AIS) as a Management Device to Improve Decision Making

81	202211017104	Design a wireless network data security system for medical records using
82	202241015672	Nanorobotics for medical applications using NEMS and MEMS
83	202241019701	Android Document Sharing System using Blockchain Technology
84	202241022600	A Systematic approach for disposing the construction waste in an efficient way without harming the environment
85	202241024149	Solar powered portable outdoor camping bath shower
86	202241024151	Solar powered automatic dual smoke extractor chimney
87	202241025410	Screening and tracking of COVID19 infected persons using face scans
88	202241025413	Artificial intelligence based smart bus tracking and bus stop alert system for passengers
89	202241026857	Impact of HR strategy linkage with business strategy on organizational effectiveness
90	202241026012	Cyber security, Artificial Intelligence and Backlogging based Online fund Transaction Fraud Detection using Data Science
91	202241026680	A Method of optimization of 3D IC physical design flow
92	202241027370	System /Method to create and validate the educational certificates using blockchain Technology
93	202241028398	Retrospective study on post -covid challenges on indian financial and business sector
94	202241030384	Farmers attitudes perceptions and expectations farmers attitudes of the system and services of the Regulated Markets
95	202241032661	Agricultural Drainage system and method there of
96	202241032662	Hemicellulose water softener to prevent pipe scalings
97	202241032949	Smart IOT Based System for Home Automation System
98	202241033226	Wide area power system stabilizer
99	202241034677	Web based integrating multimedia tool lecture system design for teaching and learning Language
100	202241034679	A Novel approach for providing security in IOT based on quantum computing
101	202241035007	Method of preparing Zeolite- biochar coated Biofertilizer
102	202241035008	Method of preparing plant -based vegan sausage from leguminous plants
103	202241037149	The Tracking of items in logistics and supply chain using block chain technology
104	202211039516	Smart finance and accounting management model
105	202241034617	Human Resource practices in medium size garment industrial units
106	202241039555	An Innovative paradigm for the digital transformation of organisational financial management by using big-data technology
107	202241043385	Modern Electric fuse avoid electric arc to ensure safety in a motor vehicle
108	202241045393	Designing an Artificial intelligence Module for analyzing six sigma based approaches to business practices in manufacturing , services and production
109	202211045817	Impact of the 4th industrial revolution in the success of the digital

		transformation of the retail sector
110	202241049117	Smart wearables using artificial intelligence to keep woman safe
111	202241050146	The impact of social media on students education
112	202241011158	Mobile concrete Mixer
113	202241011159	Pantain leaf piercing machine
114	202241011160	Fire extinguisher carrier with hydraulic Elevator
115	202241011161	Wheel chair with balaced stability
116	202241011162	Visible bowled indication for cricket stump
117	202241011163	Portable refrigerated vegetable shelf vending outlet
118	202241011164	Mobile cleaing kiosk for stretcher
119	202241011165	Manual Banana leaf punching press
120	202241011166	Tea cup washing apparatus
121	202241011167	Automatic filer device
122	202241016939	Protective dividing median to regulate roadside traffic
123	202241016940	Portable pet animal incinerator with loading platform
124	202241019305	Low cost leveler cum weeder
125	202241019306	Over load protector for motor cycle
126	202241019307	Portable bio gas productionfrom cow dung
127	202241019308	Automotive rear speed warning display with alert message
128	202241019309	Portable Barricade integral with Generator and search light
129	202241019310	Dispencer water containerinside cleaning apparatus
130	202241019311	Portable pallet with telescopic stack support
131	202241019312	Smart window slider for air conditioned room with WiFi
132	202241048019	Artificial Intelligence based Smart Conversational Robot to assist blind people of all ages using Cloud and Machine Learning algorithms
133	202241050890	IOT based brain signal analysis and prediction system for patient
134	202241050931	Entrepreneurship and the growth of Micro, Small, and medium- sized business (MSMEs) are major elements of financial institution growth and change
135	202221045776	Artificial Intelligence And Iot Based Automatic Smart Healthcare System To Prevention And Detection Of Dengue, Malaria and Other Types Of Viral Fevers Using Data
136	202221046139	Deep Learning Based Automatic Prevention And Detection Of Brain Tumorousing Image Processing, Data Mining And Machine Learning Algorithms For Smart Helathcare System
137	202241053270	Mining and deep and learning algorithms
138	202241052281	Human resources management through hr analytics and artificial intelligence
139	202211054656	Iot based electric vehicles monitoring system in smart cities
140	202221053822	Green finance and green banks: the future of sustainable banking in india
141	202221056716	Green human resources management impact on: a two -study investigation of antecedents and outcomes
142	202241056626	Pyrotechnic formulation and method of preparing the same



143	202241057061	Impact of English learning app for intermediate learners in India
144	202241057677	Blind person intelligent walking stick system integrating machine learning and internet of things technology
145	202231056009	Secure the communication between IOT devices in vehicular network using cryptography algorithm
146	202241035161	Design and fabrication of water filter for reusing of wash basing waste water
147	202241035162	Automatic cold coffee and tea vending machine with integral refrigeration
148	202241035163	Compact collapsible cloth drying hanger
149	202241035164	Portable bill board holding jack with illumination
150	202241037581	External mini elevator for domestic goods
151	202241037584	Portable slurry mixer
152	202241037585	Autonomous human detection robot for secured entrance
153	202241037586	Mobile palette lifting robot with remote operation
154	202241037587	Automated postal parcel collecting and evaluating terminal
155	202241037589	Angle finder with digital monitor for mini drafter
156	202241060207	Artificial intelligence based approach to analyse the impact of antimicrobial resistance in agricultural against environmental contamination
157	202241061393	A system for evaluating human relation management in an organization using scanner and smart devices and working method thereof
158	202241041126	Pet animals automatic bathing shower
159	202241061018	Implementing strategies for digital marketing using search engine optimization and digital display advertisements with an eye on the future enhancement of the business
160	202241064198	Method of preparation and characterization of calotropis gigantea fiberreinforced phenol formaldehyde composites
161	202211065323	Impact on digital awareness programme towards online fraud loan app in india
162	202241035165	Heavy duty digital weighing machine with lifting platform
163	202241035166	Movable and collapsible multipurpose chair
164	202241035167	Adjustable sky light controller for roof panel
165	202241035168	Portable sanitary cabin module with urinal sink
166	202241035169	Movable package film poll hydraulic lifting machine
167	202241035170	Portable package film roll lifter and loader machine
168	202241041115	Patient resting bed with waist sliding support and collapsible head & leg support
169	202241041116	Garbage collecting bin with swing action and auto opener lid
170	202241041117	Domestic mini goods hoisting device
171	202241041119	Movable apparatus for radiographs viewing with auto selective illumination
172	202241049359	Vegetable washing machine automatic drum cleaner

173	202241065162	Method of preparing silver-zinc oxide marigold structure on flexible substrate
174	202241065256	he detection of Varied EEG pattern Signal For Chronic Migraine Patients Using Machine Learning Approach
175	202241066049	Versatile cauldron with the functions of hydraulic forklift
176	202211068063	Wearable electronic monitoring device for baby health
177	202241016934	Portable temporary shelter for two wheeler
178	202241016935	Outdoor wall mounted cloth hanger rack with retractable roof
179	202241016936	Solar digital water flow and consumption meter
180	202241016937	Vegetables soup vending machine
181	202241016938	integrated library bookshelf with digital identifier
182	202241041118	Dustbin collector with automatic lid opening & tilting with raising pedestal
183	202241049360	Protective temporary shelter for parking motor bikes
184	202241049361	design and fabrication of flexible drilling machine
185	202241049362	Automatic volley ball throwing machine for practice
186	202241049363	Parking cabin for two wheeler with foot operated hydraulic lifting
187	202241054245	Portable pvc foot operable water dispenser
188	202241054246	Non label identification with automatic sorter robot system
189	202241054247	Portable rubber wall for explosive protection to reduce imact
190	202241054248	Dual side sanitizer dispenser with social distancing clearance
191	202241054249	Quadruple solar operable automatic sanitizer dispensing system
192	202241055456	Flower plucking robotic arm
193	202241055457	Moving ramp for a residential house staircase for people with leg problems
194	202241055458	Solar powered iot based home automation
195	202241055459	Underground cable fault detection
196	202241055460	filter less water purifier using solar system
197	202241055461	All Time Refreshing Flower Bowl
198	202241055462	Tuning Genre Frequency Recognition
199	202241055463	Press Type Dust Bin
200	202241055464	Automatic Defrost Water Drainer
201	202241055468	Intelligent Phase Failure Control Of Distribution Transformer For Rural/Remote Areas
202	202241055469	High Strength Concrete With Replaced Fine Aggregate
203	202241055470	Smart water distribution and water theft detection system
204	202241056127	Multi purpose device for cleaning air filter
205	202241056128	Portable pick and place robot for transferring of components
206	202241056129	Multi point lubrication system for running equipments with portability
207	202241056131	Automatic pipe welding fixture
208	202241056132	multiple delivery water pump using three way crank shaft
209	202241056133	Solar powered fibre boat
210	202241056134	domestic hydro turbine from waste water

211	202241056135	Digital spur gear profile error detector
212	202241056136	dc power generator from shock absorber in automobile vehicle
213	202241056137	Gesture controlled wheel chair for the disabled
214	202241056138	Rotary drum fixture for fixing with the motor
215	202241056139	False ceiling plaster sheet support and holding device
216	202241056140	False ceiling plaster board support and holding device dc operated
217	202241057775	Garbage collector with compressive press ram
218	202241057776	Non-label identification with automatic stopper
219	202241057777	automatic file distributing robot
220	202241057778	Portable lpg cooking stove with integral cylinder and volume display
221	202241060848	Steel wire rod roll loader machine
222	202241060849	Automated wall mounted biometric input fed robot for disabled
223	202241060850	Automated textile fabric drier with triple pass conveyer
224	202241060851	Portable wheelchair elevating device for the disabled
225	202241060852	Automatic indexing system for milling machine
226	202241060853	micro dust absorbing system using suction fan for textile mill
227	202241060854	Automobile engine parts cleaning device with quick drying facility
228	202241060855	a portable automatic cardamom color sorting machine
229	202241060856	Portable liquid volume detector for mobile tanker vehicle
230	202241065619	An Intelligent Water Heating System for Households with Integrated Communication and Defogging Modules
231	202241055465	LPG Cylinder Volume Depletion Alerting Trolley
232	202241055466	Smart Agriculture Controlling System Using Iot And Solar
233	202241055467	Smart Agriculture Storage With Iot Based System
234	202241056120	Electric Vehicle Automatic Charging Of Battery Using Vertical Axis Windturbine
235	202241056121	Semi Automatic Pet Bottle Cleansing Device
236	202241056122	Manually Driven Water Pump For Irrigation
237	202241056123	Multi Purpose Work Holding Fixture For Welding Joints
238	202241056124	Safety Alert For Sleepy Drivers
239	202241056125	Automatic Collision Avoidance System For Automobiles
240	202241056126	Hybrid Drive For Two Wheeler
241	202241068498	Automatic operable cot with 90 degree tilt
242	202241068499	Portable wheelchair elevating device for the disabled
243	202241068500	Manual operated easy vegetable cutting gloves with attached knife
244	202241068501	Manually operated portable two-wheeler safe keeping and protecting
245	202241068504	Smart monitoring of rubber latex tapping process through Iot sensor
246	202241068505	Portable mixer grinder cleaning device
247	202241068506	Vehicle with fire safety equipment holder
248	202241068507	Battery operated fire extinguisher cylinder carrier vehicle with integral ladder
249	202241070234	Lifting storage container platform for procuring rice to safe guard from rain water

250	202241070235	Safety protecting sleeve for blood specimen testing glass slide
251	202241070236	Manually raised platform for street vegetable vendors
252	202241070239	Manual fire extinguisher hose reel carrying trolley
253	202241070240	Fire extinguisher ball ejecting trolley to shutdown the fire spot
254	202241071478	A portable fish vending kiosk with rainwater harvest tank
255	202241071479	A light emitting footwear for elderly and sick people
256	202241071480	An edge protector for blood sample testing slides
257	202241071485	Smart sewage management device based on iot
258	202241071486	Portable chthonic and nero testing system
259	202241072134	A portable way finding device for visually challenged persons
260	202241072135	Instinctual synced ventilation for mushroom growing using iot