



**SREE VIDYANIKETHAN ENGINEERING COLLEGE  
(AUTONOMOUS)**

Sree Sainath Nagar, Tirupati – 517 102

**INTELLECTUAL PROPERTY RIGHTS DETAILS**

<b>S.No.</b>	<b>Type of IPR (Patent/Copy right/Trade marks/ logos etc)</b>	<b>Title</b>	<b>Date of filing (DD-MM-YYYY)</b>
1.	Patent	A system for assisting the Patient transfer process in health care units	24-07-2023
2.	Patent	A Four Port Wideband MIMO Antenna for 5G Millimeter-Wave Applications	19-07-2023
3.	Patent	A full adder circuit-based carbon nanotube field effect transistor	15-07-2023
4.	Patent	An Automated Car Cleaning Device	09-07-2023
5.	Patent	A Device for Oblique Pullout Test on Geosynthetic Reinforced Earth Structures	30-06-2023
6.	Patent	A system for monitoring health using IOT Sensors	14-06-2023
7.	Patent	An Innovative IoT based Framework for Smart Health care monitoring System	08-06-2023
8.	Patent	Heart Disease Prediction using Machine Learning	07-06-2023
9.	Patent	Driver Drowsiness Detection And Alert System	07-06-2023
10.	Patent	A Framework on the Cultural Influence on the English Language	06-06-2023
11.	Patent	A system for monitoring and detecting gas leakage and a method thereof	05-06-2023
12.	Patent	A Multi-layered filtration system for purifying the house wastewater and rainwater	05-06-2023
13.	Patent	A device for monitoring animal health and disease anticipation	03-06-2023
14.	Patent	An IOT Based virtual doctor using Raspberry Pi with ThingSpeak	31-05-2023

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15.	Patent	A cost-effective RF based drone detection system and method thereof	31-05-2023
16.	Patent	A system and method for detecting and monitoring manholes using IoT	09-05-2023
17.	Patent	A solar operated air purifying system and a method of operation the system	09-05-2023
18.	Patent	A polyhouse for tenable agriculture based on IoT, arduino and sensors	08-05-2023
19.	Patent	An IoT based smart agriculture system and method thereof	08-05-2023
20.	Patent	A system for real time efficient streetlight controlling and monitoring	22-03-2023
21.	Patent	A method to detect the leaf disease using an image processing technique	21-03-2023
22.	Patent	Smart Monitoring Security Locking System	27-02-2023
23.	Patent	Energy Harvesting and Storage System from lightening using NANO Composite rods	27-02-2023
24.	Patent	Improvement of Plate Anchor Pullout Capacity using Cementitious Composite Geosynthetics	21-02-2023
25.	Patent	Smart Movable Road Divider	18-02-2023
26.	Patent	A System for Obstacle Identification and Alerting the user using IoT	14-02-2023
27.	Patent	IoT based Fire Alarm System	12-02-2023
28.	Patent	A system for generating smart electricity through speed breaker	12-02-2023
29.	Patent	A system and method for intelligent video surveillance using Internet of Things	11-02-2023
30.	Patent	Rainfall prediction method and system based on machine learning	10-02-2023
31.	Patent	Confined CBR Punching Strength of Geosynthetics Test Apparatus	19-01-2023
32.	Patent	A system for detection and notification of toxic gases in sewage using GSM	11-01-2023
33.	Patent	A system and method to monitor the tissue fatigue and disorder of biceps brachii using surface elect	10-01-2023

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34.	Patent	An automatic fire extinguishing system using an embedded system	10-01-2023
35.	Patent	Power Grid Failure Detection based on voltage and frequency variance detection	13-09-2022
36.	Patent	EARO Smart Ear Phones (ESEPhones)	15-12-2022
37.	Patent	More than one convex lens based dynamic tracking sun light energy efficient solar system	01-11-2022
38.	Patent	DESIGN AND MANUFACTURE OF MANUAL ELECTRODE COATING MACHINE FOR SMALLSCALE ARC WELDING ELECTRODE MANUFACTURE	19-08-2022
39.	Patent	A BIO SOLAR CELL BASED SYSTEM FOR EFFICIENT HARVESTING OF SOLAR ENERGY	25-03-2022
40.	Patent	WSN and Deep Learning (DL) Based Wind-Turbine Planetary Gearbox Condition Monitoring system	25-03-2022
41.	Patent	PADDY DRYER	28-02-2022
42.	Patent	AN ANDROID BASED IOT ENABLED SMART MASK ASSEMBLY AND WORKING METHOD THEREOF	29-09-2022
43.	Patent	An Intelligent Monkey Menace Alert System	09-12-2022
44.	Patent	A Wearable IoT device for Child Safety	09-12-2022
45.	Patent	Environment and Earthlings Hazard FreeWild Animal Repellent	09-12-2022
46.	Patent	IoT and Deep Learning based automatic smart parking system in Driverless Cars by efficient Detection of Obstacles to avoid accidents in highly populated metropolitan cities	18-11-2022
47.	Patent	Artificial Intelligence Techniques for Green IoT	07-10-2022
48.	Patent	Smart Sensor Based on hill Arearoad maintenance in winter using the Internet of Thing	16-10-2022
49.	Patent	Diagnosing brain damages detection over the consciousness using machine learning approach	23-05-2022
50.	Patent	Artificial Intelligence and Machine learning based plant leaf disease classification for crop yield	15-03-2022
51.	Patent	Crime risk forecasting using AI-Based Programming	09-02-2022
52.	Patent	A User-friendly intelligent Robot vacuum Cleaning Device	13-12-2022

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53.	Patent	IoT based Smart Material for EV Segment using Wire Electrical discharge Machining thereof	08-02-2022
54.	Patent	Narrowband Internet of things based low-cost and low-power consumption data processing method	12-12-2022
55.	Patent	A Smart app for visually impaired people to detect objects	16-12-2022
56.	Patent	An intelligent building elevator system and a method of operating the system	01.06.2022
57.	Patent	A Machine Learning-based Hybrid Intrusion Detection System for Detecting the Cyber-Physical Attacks	23-05-2022
58.	Patent	Real Time Intelligent surveillance systems for aged people fall detection	29-04-2022
59.	Patent	A Histogram Statistic Extension System And Gradient Filtering Method For Upgrading Infrared Picture Quality	16-08-2022
60.	Patent	Artificial Intelligence-Based Computer Users Classification Using Keystroke Dynamics Data	27.04.2022
61.	Patent	A System Based On Network Aware Application Dependent Adaptive Protocol Selection For Iot Communications	06-09-2022
62.	Patent	High Sensitive IOT Nano Sensor for data acquisition and processing	03-04-2022
63.	Patent	The Effects on the financial and economic status of the country in Covid Pandemic & is Damages on human health	14-03-2022
64.	Patent	IoT based omicron emerged in a covid -19 testing booth enabled with thermal image detection of visitor	03-01-2022
65.	Patent	IoT and ML based Plant Disease detection and classification using Image-Processing	04.02.2022
66.	Patent	Agry-Drone: A Dynamic Web based Drone Driven Crop Yield Estimation Model for Agriculture Farms	11-01-2022
67.	Patent	A Smart Wearable jacket with heating and cooling for tracking health and fitness	15-12-2022
68.	Patent	Development Of Educational Systems Using A Block Chain-Based Model	25-05-2022
69.	Patent	System to show the Importance of a Block Chain-Based Model for Creating New Educational Systems	01-09-2022

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70.	Patent	Ai (Artificial Intelligence): Anemerging Perspective In Englishlanguage Learning And Teaching	02-12-2022
71.	Patent	METHOD FOR CONVERTING A THREE-DIMENSIONAL LIDAR DATASET TO A PROJECTION SHAPE, AND A MULTI-CHANNEL TWO-DIMENSIONAL IMAGE FOR PERFORMING SEGMENTATION	25-12-2022
72.	Patent	A wearable pregnancy monitoring apparatus to collect physiological parameters	12-11-2022
73.	Patent	Machine learning and Artificial intelligence techniques for intrusion detection in network	12-11-2022
74.	Patent	DESIGN AND IMPLEMENTATION OF A SMART NETWORK USING LORA FOR MEASURING ENVIRONMENT PARAMETERS	17-11-2022
75.	Patent	BLEEDING RECOGNITION TECHNIQUE IN WIRELESS CAPSULE ENDOSCOPY IMAGES USING FUZZY LOGIC AND PRINCIPAL COMPONENT ANALYSIS	05-12-2022
76.	Patent	The Longitudinal Resonance Properties of A Tapered Structure Over Unilaterally Layered Soil	17-12-2022
77.	Patent	EMBEDDED IP CAMERA AND MACHINE LEARNING TECHNOLOGY BASED PATIENT HEALTH MONITORING SYSTEM	18-10-2022
78.	Patent	An IoT enabled system for breast Cancer detection using image processing	21-09-2022
79.	Patent	IMPACT OF ADVERTISEMENTS IN INDIA ON NETWORK SERVICE SALES PROMOTION AND CUSTOMER SATISFACTION	12-09-2022
80.	Patent	A system and method for secure remote communication using WSN based on blockchain technology	02-09-2022
81.	Patent	Attributional Thoughts of English Teaching Master's Pupils on the Reading Performance	30-08-2022
82.	Patent	Smart City Power Management System using 5G Technology	12-04-2022
83.	Patent	AN ARTIFICIAL INTELLIGENCE BASED INTEGRATED IOT HEALTHCARE SYSTEM FOR CANCER CARE AND METHOD THEREOF	17-04-2022
84.	Patent	NANO COATING OF SUPER CAPACITOR ON CAR TO SUPPORT RECHARGING OF EV VEHICLES ON THE RUN EFFICIENTLY	08-05-2022
85.	Patent	ECO-FRIENDLY AND COST-EFFECTIVE PANELS FOR SMART GRIDS FROM SPATIOTEMPORAL OPTIMIZATION OF CHARGING E-VEHICLES	28-05-2022
86.	Patent	Internet of Things (IoT), AI, WSN based Electronic-Shopping Cart System using machine language algorithms	06-04-2022
87.	Patent	Waste Plastic and Kitchen Convert into an Energy.	24-03-2022

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88.	Patent	A MACHINE LEARNING BASED SYSTEM FOR PROVIDING A BIOMEDICAL USER INTERFACE	02-03-2022
89.	Patent	MONITORING AND ALERTING OF ILLEGAL DEFORESTATION USING INTERNET OF THINGS AND DRONES	28-02-2022
90.	Patent	ECONOMIC AND ENVIRONMENTAL CONTROLS FOR SMART GRIDS FROM SPATIOTEMPORAL OPTIMIZATION OF ELECTRIC VEHICLE CHARGING	10-01-2022
91.	Patent	INTELLIGENT VOTE CASTING METHOD TO PREVENT THE FAKE VOTING AND IMPLEMENTATION OF AUTOMATED POLLING SYSTEM USING RASPBERRY PI	05-01-2022
92.	Patent	IoT driven System for Continuous Glucose Monitoring of Sensing Blood Leakage in Health Care using machine learning	07-12-2022
93.	Patent	A novel Sparse Signal Processing approach for 5g technology	22-12-2021
94.	Patent	A web enabled smart home gateway for automatic device and network configuration and automatic system updates via IoT.	15-12-2021
95.	Patent	A self power generating electric vehicle with multiple source of energy	17-08-2021
96.	Patent	A Diffused Solar Reflector for use with Solar Tunnel Dryer	13-08-2021
97.	Design Patent	Water purifying and flavour infusion devices	11-08-2021
98.	Patent	AI Based energy sustainability in smart cities	02-08-2021
99.	Patent	A Transportable Solar based Sugarcane Juice Preheating System For Jaggery Making	15-07-2021
100.	Patent	A System for server-driven data synchronization in IOT connectivity and method thereof.	01-08-2021
101.	Patent	A Dynamic user interface in a cloud network using deep learning model	31-07-2021
102.	Patent	Smart recycle lithium ion battery technology for electric vehicle	30-07-2021
103.	Patent	A System for sharing images and multimedia message in a cloud network	13-07-2021
104.	Patent	A System and method based on neural network and hidden markov modelling for predicting drug property	09-07-2021
105.	Patent	Smart Helmet Inbuilt Wireless Communication Kit and System	28-06-2021
106.	Patent	IoT and RFID based optimal positioning of autonomous shock absorber for smart vehicles	25-06-2021
107.	Patent	System and Method of Intelligent Food Vending Machine Kiosk	07-06-2021
108.	Patent	Multi Stage Blade Rotor for Horizontal Axis Wind Turbine	19-05-2021
109.	Patent	Real Time Monitoring of Water Quality Parameters in Aquaculture and Automation of Aerators Based System Using IoT	13-05-2021
110.	Patent	Crowd detection camera to speke the maintain and identify the suspect using Ai-Based programming	10-05-2021
111.	Patent	A Hand-Worn Real-Time Smart Navigation Device useful for the Blind and Visually Challenged People	30-04-2021
112.	Patent	Production Method of Ceramic Washer Using Rotational Ultrasonic Machining Process	30-04-2021

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113.	Patent (IP Australian)	A IOT Based Pandemic Related Smart Health Management System for Industrial Workers	14-04-2021
114.	Patent	System and Method of Intelligent Coffee Vending Machine	10-04-2021
115.	Patent (IP Australian)	Deveopment of smart powering technique using ai based solar tracking system	07-04-2021
116.	Patent (IP Australian)	Smart Wireless Charging Systems for IOT Devices in Home Automation	31-03-2021
117.	Patent	Design and Optimization of High Speed Infrared Heating Furnance	22-03-2021
118.	Patent	A Cost efective solar powered mobile jacket to encounter the charging issues while exploring offbeat places	17-03-2021
119.	Patent (IP Australian)	A Robotic System to Check Battery Quality in Manufacturing Industries Using Artificial Intelligence	12-03-2021
120.	Patent	A Novel Approach For Verification Of Web Services Using Leftright Parser Algorithm	23-02-2021
121.	Design Patent	Quick Change Indexing Jig	18-02-2021
122.	Design Patent	Dowel Jig Set	09-02-2021
123.	Design Patent	Sandwich Drill Jig	02-02-2021
124.	Patent	Development of artificial intelligence based traffic management system for emergency vehicles	31-01-2021
125.	Design Patent	Angle Plate Drill Jig	05-01-2021
126.	Patent	A Smart wearable travel support system for supervising visually impaired people	22-02-2021
	Patent (IP Australian)	An Intelligent Self Protection System for IoT with Cognitive Fog Computing	18.02.2021
127.	Patent	An Effective and reliable grid connected pv system with battery for uninterrupted supply to loads	18-02-2021
	Copy Right	A System for Designing An Integrated Circuit Configuration Using ML Interfaces And CNN Inference	
128.	Patent	A System and Method for eradicating the accidents at steep curved paths	13-02-2021
129.	Patent	A Smart Travel Assistance Device for Guiding Visually Impaired People	30-01-2021
130.	Patent	Giloy leaf identification system	11-01-2021
131.	Patent	Multistage, Filtration of Industrial Waste Water with Automated Supervisory Control Through IoT Cloud Computing Sensor Network System (ICCSNS)	30-12-2020
132.	Patent	Flexible Spacesuit Hand Gloves	18-12-2020
133.	Patent	An Artificial Intelligence Based Health Monitoring And Recommending Precaution Treatments For Diabetes Patient	16-12-2020
134.	Design Patent	Adjustable Drill Jig	15-12-2020

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135.	Patent (IP Australian)	An Automatic door handle with sanitizer using IoT and AI Technologies for personal human care	15-11-2020
136.	Patent	An Ease Handling Based Devise to Peel Fodders Skin	10-11-2020
137.	Patent	Peak to average power ratio reduction method for mimo-ofdm system	10-11-2020
138.	Patent	Novel Development Process for Homogeneous Distributions of Nanoparticles With Aluminium Alloys	05-11-2020
139.	Patent	An Automatic image based mango quality prediction, estimation and selling using mobile platform	15-10-2020
140.	Patent (IP Australian)	Intelligent Shopping Card by using Internet of Things (IoT), Artificial Intelligence (AI) and Machine Learning (ML) Technologies	14-10-2020
141.	Patent	A survival of Smart Classroom Integrated IoT used in Campus with Fully Cloud Computing	12-10-2020
142.	Patent	Identification of Missing Person/Criminal/If any based-on Internet of Things (IoT) and Deep Learning Technique	03-10-2020
143.	Patent (IP Australian)	Underwater Robots Design and Control Mechanism using Particle Swarm Optimization Algorithm	01-10-2020
144.	Patent (IP Australian)	Auto-Powered Assistive Device for Visually Impaired people	26-09-2020
145.	Patent	Providing quick rural and remote nursing care for elderly people using location-based medical record system	24-09-2020
146.	Patent	Surface Engineered Corrosion Free And Antibacterial Bio-Implants	18-09-2020
147.	Patent	A Novel Approach of Biomarker Detection by Optical High Sensitivity Nano Sensors	30-08-2020
148.	Patent	Design And Development Of Planar Micro strip Antenna For Wireless Sensor Network Communication	09-08-2020
149.	Patent	Cyber security Analysis Technique to Detect Possible Violent Human Behaviors	09-08-2020
150.	Patent	Wearable Protective Device With IoT Enabled Monitoring System	07-08-2020
151.	Patent	Wearable Protective Device With IoTEnabled Monitoring System	07-08-2020
152.	Patent	Wearable Protective Device with IoT Enabled Monitoring System	07-08-2020
153.	Patent	Embedded Data Streaming System for Roadside Sensor Monitoring Application	07-08-2020
154.	Patent	Internet of Things (IoT) Enabled Smart Camera for Automatic Attendance Management System of a Students / Employees based on the Deep Learning Approach	03-08-2020
155.	Patent	Automatic Fault Failure Detection Mechanism of Electronic Circuit Board of Consumer Appliances	30-07-2020
156.	Patent	A Novel method for emotion detection of child autism spectrum disorder(asm) using machine learning	13-07-2020
157.	Patent	Contactless multi-biometric recognition system for the safety and security in critical region	02-07-2020



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158.	Patent (IP_Australia)	Moving Multi Object Detection Localization in Vision Enabled Wireless Sensor Networks	27-06-2020
159.	Patent	A System for agriculture field monitoring and pest controlling	27-06-2020
160.	Patent	Intelligent Room: Disinfecting (Covid19) Room Air Using Machine Learning System	22-06-2020
161.	Patent	Amphibious Robot for Plastic Removal from Water Bodies	22-06-2020
162.	Patent	Coronavirus detection 5-g mobile app: an app which enables a mobile phone to detect the coronavirus.	16-06-2020
163.	Patent	Automated Food Freshness Detection using Feature Deep Learning	05-06-2020
164.	Patent	Voice Assisted Neuro-Fuzzy Deep Learning Technique to Elderly and Disabled for Flexible and Secure Navigation	27-05-2020
165.	Patent	ID- Validation and tracking system: digital identity validation and tracking system using machine learning, deep learning programming	16-05-2020
166.	Copyright	Neural Networks for Smart Data Storage Usage	29-04-2020
167.	Patent	A Method To Emotional Component And Intrapersonal Cognitive Detection Of A Person Using Machine Learning	04-04-2020
168.	Patent	Automated vegetation mapping approach of crops through satellite image fusion and convolution neural networks-based classification	02-04-2020
169.	Patent	A Novel Multiple-Access Edge Computing Technique FOR Ultra-Reliable Low-Latency Communication (Urrlc), and Massive Internet of Things (IoT) In 5G Networks	02-04-2020
170.	Patent	Enterprise Iot-Based Application Development Platform Using Machine And Deep Learning	27-03-2020
171.	Patent	HTVM-block chain system: healthcare transaction validation and medical observation care using block chain system.	21-03-2020
172.	Patent	Medical emergency alert scheme through wireless sensor network and the cloud computing at populated places	03-03-2020
173.	Patent	System for walking Assistance device for visually impaired person using machine learning	20-02-2020
174.	Patent	The Traffic management system based on density and flow control mechanism	06-02-2020
175.	Patent	A Cost-Effective System for Driver Drowsiness Detection	05-02-2020
176.	Patent	Water cooler cum heater with tube in tube heat exchanger	01-02-2020
177.	Patent	System and Method for Agricultural Grievance Management	02-01-2020
178.	Patent	Wireless mesh networks lifetime maximization for machine to machine communication	19-12-2019
179.	Patent	IOT Sensors based Multi-Functional and Intelligent Walk Guiding Stick for Visual Disabled Person.	12-12-2019
180.	Patent	Method of Lung Cancer Detection Using Machine Learning Based CT-Scan Image Processing	06-12-2019
181.	Patent	Artificial light power generating solar panel system	03-12-2019
182.	Patent	Memory Architecting based on Design of Domain Wall Memory Technique	02-12-2019

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183.	Patent	System And Method For Reducing The Antenna Radiation Of A Portable Electronic Device	14-11-2019
184.	Patent	RMT-Aaps: Railway maintainace Status Track Through Mobile AAPs	16-10-2019
185.	Patent	Computer implemented method with static cluster pbda localization algorithm used for wireless nanosensor networks	09-10-2019
186.	Patent	Method for Maximum Energy Utilization in Internet Of Thing Networks	09-10-2019
187.	Patent	Method of Load Distribution Balancing for Fog Cloud Computing in IOT Environment	03-10-2019
188.	Patent	System and Method for Data Security Using DNA Cryptography Based Encryption	01-10-2019
189.	Patent	Internet of Things [IoT] enabled Dustbin Management System	22-09-2019
190.	Patent	Internet of Things [IoT] enabled multipurpose chair	15-09-2019
191.	Patent	Design of Textile Array Antenna	12-09-2019
192.	Patent	Mechanization silver halide erector for printed circuit board film printing using programmable logic controller	11-09-2019
193.	Patent	System and Method for Automatically Detecting Plagiarism	26-08-2019
194.	Patent	System And Method For Managing Association And Dis-Association Of Files Amongst Users	16-08-2019
195.	Patent	I-Soil Test: Intelligent IOT Based Soil Fertilization Test and Their Solution	07-08-2019
196.	Patent	IWM: Technology: Intelligent Water Management Technology	02-08-2019
197.	Patent	Access Network Selection System, Device, And Method For Reducing Specific Absorption Values For Cell Phones	29-06-2019
198.	Patent	Smart Healthcare using iot-aware architecture for realtime health monitoring	18-06-2019
199.	Patent	Internet of Things [IoT] enabled Railway Gate System for Early Detection of the Movement of the Train	24-05-2019
200.	Patent	Internet of Things [IoT] enabled Automatic Detection and Remote Monitoring the Overload of the Vehicles	22-05-2019
201.	Patent	In-Mouse: Intelligent Mouse with Memory	10-05-2019
202.	Patent	A system for cooling a space	18-04-2019
203.	Design Patent	Foldable Emoticon Based Keyboard	11-04-2019
204.	Design Patent	Digitized Wall Clock with Speakers	11-04-2019
205.	Patent	System and Method of Providing Assistance for Monitoring Land Encroachment	24-01-2019
206.	Patent	System and Method for Online Inspection and Audit of Educational Institutions	10-01-2019
207.	Patent	Intelligent Shopping Assistance and in-store Navigation using Aerial Drones	24-11-2018
208.	Patent	TBS-System: Third Level Biometric App Security System	14-09-2018
209.	Patent	HD-Box: tv-channel cost calculate per second usage	14-09-2018
210.	Patent	A-Security: advanced security system using beagle bone kit and rfid kit	14-09-2018

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211.	Patent	A Hybrid Method to Identify Optimal Initial Cluster Center for Clustering	06-08-2018
212.	Patent	DLVBI-SYSTEM : Driver's license validation using biometric intelligent system	02-08-2018
213.	Patent	ATC-System: Advanced Traffic Control System By Using Intelligent Technology	02-08-2018
214.	Patent	WVTI-System: Worker Verification and Tracking Intelligent System	02-08-2018
215.	Patent	Intelligent Shopping Cart with Personalized Recommender System	13-07-2018
216.	Patent	Contactless Selfie Ticket Payment System	01-05-2018
217.	Patent	An Air Quality Mobile Monitoring device	21-07-2017
218.	Patent	System and method for strengthening security of cloud data	29-01-2016
219.	Design Patent	Augmented Power Generator	10-03-2015