

## **The following are the Granted Patents for the Institute:**

1. An Intelligent and Intuitive Signaling System for Motor Vehicles to Minimize Road Accidents
2. A System for Analyzing Risk Associated with Cough Sounds.
3. Stabilization Device for Two-Wheeler.
4. Automated Real – Time Driving Behavioral Modeling Analysis and Reporting in Denser Traffic Using Data Mining.
5. ELSM- Quantum Computing: Extremely Large Databases Store into A Small Memory Using Quantum Computing.
6. A smart and automated Bedridden Patient Monitoring system over the cloud.
7. An automated thermal Scanner with speech recorder and an alert system to avoid the touch thereof.
8. AN IOT BASED LPG CYLINDER WAREHOUSE MONITORING SYSTEM ALONG WITH BOOKKEEPING OF REFILLING OF CYLINDERS.

## **The following are the Patents at various Stages for the Institute:**

1. A Dc-To-Dc Converter Configuration by Soft Switching Devices
2. A Passive Filter Configuration to Reduce Thd Produced by Non-Linear Loads
3. A Wire-Less System to Reliably Control a Large Network of Street Lighting Systems from A Central Location Through Fm Broadcast
4. An Integrated Computing System and A Process to Generate the Driver Safety Index for Preventing Automobile Accidents
5. Instrumented Methods for Smart Operations
6. Method and system for soil classification
7. An Arrangement to Increase the Level of Liquids
8. Fabrication Of Eco-Friendly Organic Ferro Electric Diisopropylammonium Bromide Films
9. Fuel Indicator and Global Fuel Pump Detection System
10. ISPSD-System: Internal Smart Pollution Control Display System.
11. Horizontal Axis,CamGuided,TelescopicBlade,Yaw Controlled Wind Mill
12. P-Button: Panic Button Provides Information Through Light, Radio Signal And Other Required Signal
13. System And Method to Generate Time-Profiled Temporal Pattern Tree
14. A Novel Pixel Based Method for Satellite Image Classification
15. Automatic Airlock Prevention System and Method Thereof
16. An Apparatus and Method for Remotely Monitoring an Aquatic Animal And Classification Thereof
17. Recovery Process of Metals from Printed Circuit Boards (PCBs) using Acidiphilumacidophilum Bacteria
18. IOT-Traffic System: IOT Based Intelligent Traffic, Transport Management System
19. Cloud Parking Management System and Vehicle Anti-Theft Method
20. GEO COMPOSITE LINER SYSTEMS
21. Design for Earthquake Load Modelling Using Critical Excitation Method
22. Recovery Process of Metals from Printed Circuit Boards (PCBs) using Acidithiobacillusferrooxidans Bacteria.
23. Brain computer Interface (BCI) based system and method for Characterizing behavior state of a subject.
24. A system and method of planting and Breeding-Based internet of things with cloud service and service flow method in Agriculture
25. Vigya: A Novel Integral System for Precision Agriculture
26. Device for Connecting Computers
27. A System to Diagnose One Or More Diseases.
28. Computer Cache Memory Performance Enhance Using Neural Networks and Machine Learning
29. Electric Power is Generated by Using the Thermal Energy of an Exhaust Gas in a Crematory

30. Critical Patients' Monitoring Device: Critical Patients' Monitoring Using Machine Learning Feature Selection Technique
31. Cloud Attenuation System and Method to Provide Cloud Attenuation Statistics And Atmospheric Absorption Coefficient
32. GPS live vehicle tracking and speed control.
33. An Air Gesture Based System for Communic- ating Between Multiple IOT Device
34. A proficient method for categorical data clustering
35. Iml- Traffic Prediction: Intelligent Traffic Prediction Using Machine Learning.
36. Smart Women Anti-violence Device
37. Dart (Depression and Related Tracker): Identification System to Find And Prevent Depression Tendencies of Women
38. Abie-Voting System: Aadhaar and Blockchain Intelligent Electronic Voting System
39. Cloud Sharing System: Cloud Computing Information Sharing System in Real Time
40. Fake News Analysis Using Machine Learning and Updateable Neural Analysis
41. Recovery Process of Metals from Printed Circuit Boards (PCBs) using N. Bacteria.
42. Recovery Process of Metals from Printed Circuit Boards (PCBs) using Acidithiobacillusthiooxidans Bacteria.
43. Recovery Process of Metals from Printed Circuit Boards (PCBs) using ThiobacillusNovellusBacteria.
44. Sheltered Driving System for Automotive vehicles for streamlined operation on roads with adherence to extant rules and regulations.
45. Hotspot Prediction System for Covid-19 Pandemic
46. IUML-STOCK PRICES PREDICTOR: Intelligent Stock Prices Predictor Using Machine Learning
47. ICDN- OBJECT DETECTION SYSTEM: INTELLIGENT OBJECT DETECTION SYSTEM WITH IMAGE CLASSIFICATION AND DEEP NEURAL NETWORKS.
48. ASP: CRIME SITE ANALYSIS: AUTOMATIC METHOD AND PROCESS OF PERFORMING CRIME SITE ANALYSIS AND MANAGEMENT SYSTEM
49. System and Method for Diagnosis of Diseases from Medical Images
50. Transparent and user-friendly billing process towards smart governance
51. AWS - Cloud Data Performance Increased using Machine Programming.
52. A Novel Security Framework Integrated with LMS For Software Security
53. 'Development of bismuth borate glasses co-doped with small concentrations of manganese oxide and zirconium oxide nano particles suitable for luminescent materials
54. Self-Excited Synchronous Generator (SESG) without D.C Excitation.
55. Motorized Ankle Foot Driven Customized Prosthetic Leg with Exoskeleton
56. Design & Development of an Intelligent system to analyze the impact of COVID-19 on respiratory system using Machine Learning.
57. Method for Characterization of a subject's attention and mediation using brain computer interface for real time healthcare monitoring.