Embedded Projects (Transaction/Journal Papers

Artificial Intelligence(AI)

1. Integrated AI Based Smart Wearable Assistive Device for Visually and Hearing -Impaired People.

2. i-AVR: IoT-Based Ambulatory Vitals Monitoring and Recommender System.
3. Enhancing Infants Early Communication through Sign Language Recognition System using Raspberry Pi and Convolutional Neural Network.
4. Automated Shopping Cart : Reducing Long Queues One Cart At A Time.
5. AI-PaaS: Towards the Development of an AI Powered Accident Alert System.
6. Object Recognition based on Deep Learning Algorithms using Embedded IoT with Interactive Interface.
7. AI Assisted Interactive Aanli Mirror.
8. Real-Time Object Recognition with Voice Feedback for Visually Impaired Based on Raspberry Pi.
9. A Traffic Road Sign Recognition System using Raspberry pi with Open CV Libraries Based On Embedded Technologies .
10. CNN Based Object Recognition and Tracking System to Assist Visually Impaired People.

11. IBGS A Wearable Smart System to Assist Visually Challenged.
12. SmartAssistiveSystemforVisuallyImpairedPeopleObstructionAvoidancethroughObjectDetectionand Classification.
13. Automated Facemask Detection and Monitoring of Body Temperature using IoT Enabled Smart Door.

Python-Hardware Interface-AI/ML/DL

14. An Automated Smart Street Lighting Model Using Integrated Systems With Deep Learning and Cloud Deployment.

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15. An Ingenious Deep Learning Approach for Home Automation using Tensor flow Computational Framework.
16. Anti-Accident Mechanism to Detect Driver Drowsiness Integrated with Alerting Mechanism: An IoT-based Model.
17. Bird Species Recognition using Deep Learning.
18. CNN and Arduino based Stress Level Detection System.
19. Deep Learning Based Fire Detection, Alert And Suppression System.
20. Identifying Anti-Social Activities in Surveillance Monitoring Applications using Deep-CNN based Algorithms.
21. Real-time Face Mask Detection Using Machine Learning/ Deep Feature-Based Classifiers For Face Mask Recognition.
22. Research on Sitting Posture Recognition Based on Deep Fusion Neural Network.

IoT

23. Car Black Box System for Accident Analysis using IoT
24. Smart Agriculture for Sustainability: The Implementation of Smart Irrigation Using Real-Time Embedded System Technology.
25. EnviroTech: Revolutionizing Waste Management with IoT-Driven Automated Segregation and Alerts.
26. Water Level Monitoring and Flood Alerting by Applying IoT.
27. AI Based Smart Cleaner with IOT Integration.
28. Real time monitoring of Transformer for industry using IoT.
29. IoT based Smart Water Meter for Water Management.
30. IoT based Smart U-Turn Vehicle Accident Prevention System.
31. IoT based Energy Efficient Smart Metering System.
32. Recent Advancements in IoT Implementation for Environmental, Safety, and Production Monitoring in Underground Mines.
33. Implementation of an Alert System Integrated into Smart Wireless Helmets Utilizing IoT Sensors.

Embedded Projects (Transaction/Journal Papers

34. IoT powered Smart Stroller: (A Novel Approach for infant monitoring and safety).
35. Arduino employed power theft controller and IOT based load controlling for smart energy meter system).
36. Smart IOT based an Intelligent system for needy people to Recognition voice detection of obstacle.
37. Agri - IOT : A farm monitoring and automation system using internet of things.
38. Design and Implementation of a Feasible Model for the IoT Based Ubiquitous Healthcare Monitoring System for Rural and Urban Areas.
39. Research and Development of an Artificial Intelligence based Smart Medicine Box.
40. Easy Band A Wearable for Safety-Aware Mobility during Pandemic Outbreak.
41. Application of IoT and Artificial Intelligence in Road Safety.
42. Night Surveillance Robot for Women Safety.

Social Cause

43. An IoT-Based Smart Helmet for Riding Security and Emergency Notification.
44. A Smart System for School Bus Accident Detection and GPS Tracking.
45. SonicGlass: An Obstacle Detection and Navigation System Using Smartglass-Based Ultrasonic Sensors.
46. E-Navigation: The Boon for Visually Impaired.
47. Developing an Internet of Things (IoT) Driven Alert System for Detecting and Mitigating Rash Driving Incidents.
48. Smart Office Chair for Working Conditions Optimization.
49. IoT based Smart ID Card for Working Woman Safety.
50. Integrated renewable energy charging system for electric vehicles.
51. Automatic Billing Trolley for an Enhanced Supermarket using RFID.
52. A Unified Metering System Deployed for Water and Energy Monitoring in Smart City.
53. Voiced Subordinate for Visually Impaired in record maintenance with Proximal Object Recognition and Voice Assistant Framework.
54. The Role of IoT in Woman Safety A Systematic Literature Review.

Embedded Projects (Transaction/Journal Papers

55. Smart Glasses Embedded with facial recognition techniques.
56. Smart Cost-Effective Shopping System using Radio Frequency Identification Technology.

57. Medico Stick: A Hidden Sight for the Blind: Internet of Things Facilitating Blind People's Daily Lives (IoT).
58. ISPMS: IoT Enabled Novel Smart Parking Management System with Load cell Deployment.

59. Smart waste segregation and collection system with IoT enabled monitoring and analytics.

60. Voice based autonomous Pill assistant for Alzheimer patients.
61. Modern E-Trolley For Goods Purchase With Inventory Management Using Android Application.
62. Smart Health Technology Model for Adoption of IoT in Automobiles for Drivers Safety.

63. IOT Based Assistive System for Visually Impaired and Aged People.
64. Assisting Visually Impaired People using Autonomous Navigation System and Computer Vision for Grocery Shopping.

LoRaWAN

65. LoRa - Powered Smart Agriculture System for Monitoring and Controlling.
66. Intelligent Street Lighting System using LoRa Network and Piezo electric Sensors.
67. Prevention of Road Accidents by Interconnecting Vehicles using LiFi and LoRaWANTechnologies.
68. A LoRaWAN IoT Enabled Trash Bin Level Monitoring System.

Robotics

69. Automatic Grass Cutting Robot Using Arduino And Ultrasonic Sensor.
70. A Raspberry Pi based Smart Security Patrol Robot.

Embedded Projects (Transaction/Journal Papers

71. Smart IOT Based Pothole Detection and Filling System.
72. Non-Contact Service Robot Development in Fast-Food Restaurants.
73. Design and Development of Human Following Autonomous Airport Baggage Transportation System.
74. Soldier Friendly Smart And Intelligent Robot On War Field .
75. Robotic Trash Collector Boat Using Artificial Intelligent Techniques.
76. Interactive Remote Robot for Pediatric Patients.
77. Design of Autonomous Vehicle for Transporting Harvested Fruit from Farming Field using raspberry Pi.

Agriculture

78. IOT Based Smart Poultry Farm and Fish Farming System.
79. IoT Based Hydroponic System.
80. Agrobot: Agricultural Robot using IoT and Machine Learning (ML) .
81. Real-Time Plant Recognition and Crop Row Navigation for Autonomous Precision Agricultural Sprayer Robot.
82. A Novel Model for Optimization of Resource Utilization in Smart Agriculture System UsingIoT - (SMAIoT)
83. Design and development an Agriculture robot for Seed sowing, Water spray and Fertigation.
84. An Improved Agriculture Plant Disease Detection and Monitoring Using IOT.

Biomedical

85. A Lightweight and Secure Authentication Scheme for Remote Monitoring of Patients in IoT.
86. IoT-Enhanced Transport and Monitoring of Medicine Using Sensors MQTT and Secure Short Message Service.
87. A Smart Bin for Disposal of Infectious Medical Waste.

Embedded Projects (Transaction/Journal Papers

88. Design and Implementation of IoT-based Programmable Assistive Intelligent Adaptive Pillbox.

89. IoT Based Low Cost Ventilator.

90. Three-Stage Power Supply System Model for a Wearable IoT Device for COVID-19 Patients.

91. Machine Learning based Automatic Tablet Dispenser.

92. Respinos A Portable Device for Remote Vital Signs Monitoring of COVID-19 Patients.

93. Smart Walker Design for Clinical Rehabilitation.

94. An IoT-based physical stress monitoring framework for athletes.

95. A Secured Healthcare Model for Sensor Data Sharing With Integrated Emotional Intelligence.