



Critac Infotech

Web Development | R&D Projects | Training

IEEE PROJECT TITLE 2018-19

DOMAIN : EMBEDDED

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IEEE EMBEDDED PROJECTS LIST 2018-19

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EMD01	Continuous Arm Gesture Recognition Based on Natural Features and Logistic Regression.	2018-19
EMD02	Sensor Applications and Physiological Features in Drivers' Drowsiness Detection	
EMD03	Real-time Eye Tracking for Password Authentication.	
EMD04	Driver behavior assessment based on loosely coupled GPS/INS integration in harsh environment	
EMD05	Pricing Data Tampering in Automated Fare Collection with NFC-equipped Smart Phones	
EMD06	On Enhancing Accessible Smart Buildings Using IoT	
EMD07	Driver and Passenger Identification From Smartphone Data	
EMD08	Advanced IOT Based Combined Remote Health Monitoring, Home Automation and Alarm System	
EMD09	Energy Monitoring and Control Using Internet of Things (IoT) System	
EMD10	Secure and robust user authentication using partial fingerprint matching	
EMD11	Modeling Human-Likeness in Approaching Motions of Dual-Arm Autonomous Robots	
EMD12	A Conveyor-Belt Based Pick-and-Sort Industrial Robotics Application	
EMD13	IOT-Based Drone for Improvement of Crop Quality in Agricultural Field	
EMD14	Analysis of yawning behavior in spontaneous expressions of drowsy drivers	
EMD15	The Methodology Review of Traffic Safety Monitoring by Using Video Recording for Express Bus in Malaysia	
EMD16	Low-Cost Real-Time Non-Intrusive Appliance Identification and Controlling through Machine Learning Algorithm	
EMD17	A Robust Security Framework for Cloud-based Logistics Services	

EMD18	Design and Implementation of Human Motion Information Collection System	2018-19
EMD19	A Fast and Accurate Retina Image Verification Method based on Structure Similarity	
EMD20	A Low Cost Wireless Sensor Node for Building Monitoring	
EMD21	Optimized Sensor Based Smart System for Efficient Monitoring of Grain Storage	
EMD22	Pill Sense: Designing A Medication Adherence Monitoring System Using Pill Bottle-Mounted Wireless Sensors	
EMD23	Implementation and Recent Progress in Cloud-based Smart Home Automation Systems	
EMD24	Multi-sensor Integrated System for Wireless Monitoring of Greenhouse Environment	
EMD25	A Novel Hybrid Architecture for Industrial Wireless Sensor and Actuator Networks	
EMD26	Modeling an Energy-Efficient ZigBee (IEEE802.15.4) Body Area Network in IoTBased Smart Homes	
EMD27	Statistical Analysis of CO ₂ Emission Based on Road Grade, Acceleration and Vehicle Specific Power for Public Utility Vehicles: An IoT Application	
EMD28	Energy Efficient Human Activity Recognition Using Wearable Sensors	
EMD29	Sense Pods: A ZigBee-based Tangible Smart Home Interface	
EMD30	The car door safety system with wireless alert transmission	
EMD31	Robust Lane Detection and Tracking for Real-Time Applications	
EMD32	Energy-Efficient Resource Allocation for Industrial Cyber-Physical IoT Systems in 5G Era	
EMD33	A Distributed Sound Source Surveillance System Using Autonomous Vehicle Network	
EMD34	A sewer sensor monitoring system based on embedded system	
EMD35	Analysis of Three IoT-Based Wireless Sensors for Environmental Monitoring	
EMD36	An Intelligent Walking Stick for the Visually Challenged People	

EMD37	Smart Meter for the IoT	
EMD38	Fall Droid: An Automated Smart Phone based Fall Detection System using Multiple Kernel Learning	
EMD39	Prototype implementation of RFID based health management system with low-power ARM microcomputer	
EMD40	Wireless communication technologies for smart grid (WAMS) deployment	
EMD41	Combinatorial Inertial Guidance System for an Automated Guided Vehicle	
EMD42	An Automatic RFID Detection based Railway Identification System	
EMD43	Design and Implementation of an RFID-GSM based Vehicle Identification System on Highways	
EMD44	Fuel Allocation and Lockout System	
EMD45	Simple Roadside Detection And Tracking On Embedded PC	
EMD46	System Architecture for Tracking Passengers inside an Airport Terminal Using RFID	
EMD47	Implementation of Wireless Temperature and Humidity Monitoring on an Embedded Device	
EMD48	Prototype implementation of BLE based automated data collection scheme in agricultural measurement system	
EMD49	SSL: Smart Street Lamp based on Fog Computing for Smarter Cities	
EMD50	The Establishment of an Integrated Automation Production Line with Multiple Monitoring and Control Loops	
EMD51	An Agent-based IoT System for Intelligent Energy Monitoring in Buildings	
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