

Embedded Systems Projects

I.EMBEDDED based HANDHELD MOBILE COMPUTERS

1. Rapid Prototyping of Mobile Input Devices Using Wireless Sensor Nodes. **(IEEE2016)**
2. Common Mode Noise Cancellation for Electrically Non-Contact ECG Measurement System on a Chair. **(IEEE2016)**
3. Cloud based management and control system for smart communities. **(IEEE2016)**
4. Wireless Sensor Platform for Pulse oximetry with data management in android and arduino Platforms. **(IEEE2016)**
5. Wireless device -based high lung functioning monitor using flow meter. **(IEEE2016)**
6. Data Accessing Method in IoT-Based Information System for shopping. **(IEEE2016)**
7. A Proffer of interconnection system between visitor and collection in museum hall by IBEACON. **(IEEE2016)**

II.EMBEDDED based BIO-MEDICAL APPLICATIONS

1. Noninvasive dual MRI-based strains vary by depth and region in human osteo arthritic articular cartilage. **(IEEE2016)**
2. Biological effects of static magnetic fields on the microcirculatory blood flow in vivo: a preliminary report. **(IEEE2016)**
3. Advantages of using a speech and EMG-driven actuated gauntlet to support Operative Remedial treatment for stroke survivors. **(IEEE2016)**
4. An NFC-Enabled CMOS IC for a Wireless Fully Implantable Glucose Sensor. **(IEEE2016)**

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IEEE 2016



5. Monitoring Daily Life Mobility Levels Using Wearable Inertial Sensors And Minimum Measured Input Models. **(IEEE2016)**
6. Uncovering the mechanism(s) of action of deep brain stimulation. **(IEEE2016)**
7. An Integrated Healthcare System for Personalized Chronic Disease Care in Home–Hospital Environments. **(IEEE2016)**
8. Implementing smart care for abdominal temperature of dysmenorrheal patients. **(IEEE2016)**
9. A Mobile System for Vital Sign’s Data Collection and Data Presentation. **(IEEE2016)**

III.EMBEDDED based CYBER-PHYSICAL SYSTEM

1. Wearable wireless biophotonic and biopotential sensors for canine health Monitoring. **(IEEE2016)**
2. Efficiency Analysis of a Bi-directional DC/DC Converter for Wireless Energy Transfer Applications for charger unit in mobiles. **(IEEE2016)**
3. Using functionalized nano particles as sensors for rapid monitoring of drinking water quality. **(IEEE2016)**
4. A hybrid client/server and universal mobile ticketing system. **(IEEE2016)**
5. An Intelligent and Integrated Driver Assistance System for Increased Safety and Convenience Based on All-around Sensing. **(IEEE2016)**
6. Autonomous Integration of Distributed Energy Sources and Home Appliances Coordination Scheme in Future Smart Grid Network. **(IEEE2016)**
7. Switchable Distance-Based Impedance Matching Networks for Power Line Communication System. **(IEEE2016)**
8. Voice Activity Detection Driven Acoustic Event Classification for Monitoring in Smart Homes. **(IEEE2016)**

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IV.EMBEDDED based ROBOTIC VEHICLE

1. An embedded robotic wheelchair control architecture with reactive navigations using the sensor network unit. **(IEEE2016)**
2. Decentralized formation-tracking control of autonomous vehicles on straight paths. **(IEEE2016)**
3. Data Collection, Storage, and Retrieval with an Underwater Sensor Network. **(IEEE2016)**
4. Tele presence Robot for the Disabled Takes Directions from Brain Signals for hospitalized patients. **(IEEE2016)**
5. Design and implementation of mechatronic systems for education purposes to introduce robot technology principles with real time controlled embedded technology. **(IEEE2016)**
6. Tracking a Swinging Target of a trolley in industries Robot Manipulator using Visual Sensing. **(IEEE2016)**

V.EMBEDDED based UBIQUITOUS COMPUTING

1. Semantic Gateway as a Service architecture for IoT H-care in Interoperability. **(IEEE2016)**
2. Electromagnetic wave perceives of visualization Attributes of Aggie and appetizing Products. **(IEEE2016)**
3. Inveigle products inspect system with arm processor for permeable detection of anti-microbial activity. **(IEEE2016)**
4. Active RFID and ESP8266 based descendants superintend method. **(IEEE2016)**
5. Motion sensor information compensation using numerous sensors and multiple Estimation. **(IEEE2016)**
6. Scrutiny and exemplary of superior Energy exhaustion Factors for crash ECG Devices (Fault detector unit). **(IEEE2016)**

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7. Railroad line revolution failing examination Using frequent sensual system (condition monitoring for railway industry). **(IEEE2016)**
8. A Just-in-time discover admittance for refuse remedy Process examine with determinist interrupts. **(IEEE2016)**

VI.EMBEDDED based ENERGY-SENSITIVE PRODUCTION CONTROL

1. Multi agent system Based Energy management scheme for a cross Energy Generation method. **(IEEE2016)**
2. Wind turbine state analyzing and detect the fault in leaves. **(IEEE2016)**
3. Dispute and prospects in Tandem Thermoelectric–Photovoltaic Solar Energy transition. **(IEEE2016)**
4. Interpretation of the Computational release of a Simplified PV Model and MPPT Method. **(IEEE2016)**
5. Electrical capacitance with engage wire for Pyro-electric energy acquire utilization. **(IEEE2016)**

VII.EMBEDDED based RSSI

1. An ingenious Armor for wind property and undecided Event disclosure for the Excavate Corporation. **(IEEE2016)**
2. Analyzing the RSSI-based restraint System for public with handicap in Smart Homes. **(IEEE2016)**
3. Energy-competent sensible Road Lighting technique Using Traffic-Adaptive Control. **(IEEE2016)**
4. Perceive functional movement of Work Vehicles using Zigbee. **(IEEE2016)**

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5. Non-constraint remoteness modeling for objective scent in wireless sensor networks. **(IEEE2016)**
6. Extricate a hidden Key in Vehicular scheme using wireless method. **(IEEE2016)**

VIII. EMBEDDED based SECURITY AND ACCESS CONTROL

1. Virtual reality of Mobile Things: Mobility-Driven dispute, contrive and accomplishment. **(IEEE2016)**
2. Framework obstruct of the IOT. **(IEEE2016)**
3. Low-cost sensible Static Gesticulate appreciation model. **(IEEE2016)**

IX. EMBEDDED based BANKING

1. Lethal recognition of Automatic Teller Machine (ATM) users via face aspect features. **(IEEE2016)**
2. E-Voting Machine –Promote Model for acquire biostatistics Based Voting device. **(IEEE2015)**

X. EMBEDDED based E-COM

1. BSN-Care: IoT-based advanced Healthcare process Using physique Sensor Network. **(IEEE2016)**
2. Hasty Grid performance to conquer Electric Power System emphasize Conditions through require acknowledgment in Pakistan. **(IEEE2016)**
3. An ingenious vesture System for abrupt Infant Curtains disease Monitoring. **(IEEE2016)**

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4. Independent medium exchange: Towards effective Spectrum allotment for automation Wireless Sensor Networks. **(IEEE2016)**
5. CE-BEMS: A cloud-empower building power management system. **(IEEE2016)**
6. An Internet-of-Things enabled associate Voyaging System for prevalent Bus Riders. **(IEEE2016)**
7. IoT+minor Data: In-Store commerce Analytics & assistance. **(IEEE2016)**
8. A Tri-Beam Dog-Bone sonorous Sensor with unessential Test-Strip Detection of examine Droplet (Saline droplet measurement system). **(IEEE2016)**

XI.EMBEDDED based WIFI & LIGHT FIDELITY

1. Scrutinize program for VLC and Sensing device. **(IEEE2016)**
2. Path freight concentration management using VANET. **(IEEE 2016)**
3. Robot and accumulate Collected endorsement in wireless technology. **(IEEE 2016)**

XII.EMBEDDED based TRANSPORTATION SYSTEM

1. ReCon-AVe: For information excavation and examination. **(IEEE 2015)**
2. Cybernated fee E-Ticketing System for conveyance Systems. **(IEEE 2016)**
3. An examine of Vision-Based Traffic observe of Road convergence. **(IEEE 2016)**
4. Intelligent vehicle protection system for vindicate against cooperative Attacks by malware. **(IEEE 2016)**
5. Distratto: damage Driving disclosure Using Textile Sensors. **(IEEE 2016)**
6. Road Traffic obstruction guidance Using VANET (congestion control, and stolen vehicle detection). **(IEEE 2016)**

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XIII. EMBEDDED based COMPUTER VISION AND IMAGE PROCESSING

1. Advancement of a movable near Infrared Camera for primordial Detection of consumptive Ulcers. **(IEEE2016)**
2. A novel procedure and tool for detection of cancer and tissue irregularity. **(IEEE2016)**
3. Pan-Cancer dissection for contemplate Cancer position using chlorophyll Expression information. **(IEEE2015)**
4. Extensive and sensible Vision System for Self-favor Vehicle Lane-Level emplacement. **(IEEE2016)**
5. 3D-superficies Combine Touch-Sensor System for land rover HMI devices. **(IEEE2016)**
6. Illumination Preceding automobile Brake Light discovery Using popeyed sight. **(IEEE2016)**
7. Develop a smart Vision Based Fire Alarm System with multiple sensors and protect the losses in the industries. **(IEEE2016)**

XIV.EMBEDDED based HUMAN-MACHINE INTERFACE

1. Visual-consideration Based environment modeling for discover sporadically Moving purpose. **(IEEE2016)**
2. A quick Method of cloud and Haze dismissal. **(IEEE2016)**
3. Analytical Hypothesis spotter for unusual Event Detection in large people presents Scenes. **(IEEE2016)**
4. Automated Ear milestone detection, Segmentation & Pose categorization in scope Images. **(IEEE2016)**

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XV.EMBEDDED based ARCHITECTING AND CONSTRUCTION

1. Analysis for structure operation Monitoring System of Main speculum System for quick access. **(IEEE2016)**
2. Advanced Crack Detection in buildings, walls and roofs with sensor networks. **(IEEE2016)**
3. Discovery of interior Corrosion of Steel Construction Using Magnetic Resistance Sensor and fascinating Astrogeology detection. **(IEEE2016)**
4. Examine on expeditiously Deployable Solutions for pre-calamity system. **(IEEE2016)**
5. NoC based progress Communication Systems for metro City Management Programs. **(IEEE2016)**
6. Soil dampness assessment Using UWB. **(IEEE2016)**
7. Intelligent Crack Detection method Based on Image analysis process with measurement basics. **(IEEE2016)**

XVI.EMBEDDED based LAB-VIEW

1. Vigorous Trajectory pursue delusion-Based Model prognosticative Control for UGV. **(IEEE2016)**
2. Derive and accomplishment of chess province guess prospect in army chess computer game. **(IEEE2016)**
3. Solve on Police body cams. **(IEEE2016)**

XVII. EMBEDDED based RASPBERRY PI

1. The advanced Sensorial Internet of Things program. **(IEEE2016)**
2. Quick Find: Rapid and connection-free object revelation using a gulf sensor. **(IEEE2016)**
3. Revolve the internet of (my) things into a distant restrained workshop. **(IEEE2016)**

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