

2015 – 2016 M.TECH EMBEDDED SYSTEMS IEEE TITLES

S.NO	TITLE	DOMAIN
1.	Embedded based Automated Health Alerts Using In-Home Sensor Data for Assessment	Android
2.	Arterial pressure estimation using simultaneous Electrocardiogram and oscillo metric Blood Pressure measurements	Android
3.	Vehicular Applications Based Bluetooth Low Energy Technology for Potential	Android
4.	IoT Systems Based Multi-hop WBAN Construction for Healthcare	Android
5.	Android based on-line monitoring and control system for the Development of Renewable Energy Sources	Android
6.	Snap n' shop: Mobile shopping based Visual search made a breeze by machine and crowd intelligence	Android
7.	Asthma Patients Monitoring Devices for Personal Lung Function	Android
8.	Android Based Health Care Monitoring System	Android
9.	Secure and Privacy-Preserving Smartphone-Based Traffic Information Systems	Android
10.	An Implementation of Mobile Control Room Environment in Android Platform for Industrial Applications	Android
11.	RFID-based System for School Children Transportation Safety Enhancement	Android
12.	Design and Implementation of Vehicle Tracking System Using GPS/GSM/GPRS Technology and Smartphone Application	Android
13.	Home Based Health Monitoring System Using Android Smartphone	Android
14.	Wireless Ecg Monitoring System Using 3g	Android
15.	Android Interface based GSM Home Security System	Android

16.	Design and Implementation of a WiFi Sensor Device Management System	Android
17.	Fusing Two Noncontact Sensor Principles of A Bendable and Wearable Cardio respiratory Monitoring Device	Biometric & Biomedical systems
18.	Run-To-Run Control and Case-Based Reasoning Based on Advanced Insulin Bolus Advisor	Biometric & Biomedical systems
19.	Run-To-Run Control and Case-Based Reasoning Based on Advanced Insulin Bolus Advisor	Biometric & Biomedical systems
20.	Blood Leakage Monitoring System for the Applications in Hemodialysis	Biometric & Biomedical systems
21.	Wearable Sensors for Health Monitoring (Parkinson's disease) Advanced in Recent	Biometric & Biomedical systems
22.	Capacitive coupling Human Body communication on the Effect of wireless Power Transfer	Biometric & Biomedical systems
23.	Enhancing sensor connectivity and data interoperability of the patient-centric mobile healthcare system	Biometric & Biomedical systems
24.	Design and Implementation of a novel linear in Microwave sensor for non-invasive glucose measurements	Biometric & Biomedical systems
25.	An Energy-Efficient Adaptive Sensing Framework for Gait Monitoring Using Smart Insole	Biometric & Biomedical systems
26.	Pervasive Healthcare Monitoring Based on NFC	Biometric &

		Biomedical systems
27.	Design and Implementation of Heart Rate Measurement Device Using Wireless System	Biometric & Biomedical systems
28.	Design And Implementation Of Wearable Rfid Tag For Real-Time Ubiquitous Medical Care	Biometric & Biomedical systems
29.	Bio-Monitoring System With Conductive Textile Electrodes Integrated Into T-Shirt	Biometric & Biomedical systems
30.	Performance Analysis of Zigbee based Wireless Sensor Network for Remote Patient Monitoring	Biometric & Biomedical systems
31.	Intelligent bus query system on the application of Zigbee technology	Mobile communication
32.	Interactive Voice Response System for Wireless Load Control and Monitoring Based on GSM	Mobile communication
33.	School Children Transportation Safety Enhancement System Based on RFID	Mobile communication
34.	Automation of Petrol Bunk with prepaid cards and GSM Communication	Mobile communication
35.	ARM Based Remote Monitoring and Control System for Environmental Parameters Greenhouse	Mobile communication
36.	Design and Implementation of an SMS Based Home Security System	Mobile communication
37.	Embedded Microcontroller using GPS as a Security Resource for Disabled People	Mobile communication
38.	Charging via capacitive power transfer through a conformal bumper in Wireless electric vehicle	Wireless sensor network

39.	Wireless Sensor for Online Ambient Monitoring in a Low-Power	Wireless sensor network
40.	Sea Water Quality Monitoring of a Smart Sensor Network	Wireless sensor network
41.	RFID technology based on the Design of visually impaired to work at Industry	Wireless sensor network
42.	Using Wireless Data Transfer ,The Electrical Parameters In Industries Is Monitoring Through Pc	Wireless sensor network
43.	Intelligent wireless street lighting system on a low-Cost and non invasive system for the measurement and detection of faulty streetlights	Wireless sensor network
44.	Animal health monitoring system based on a Zigbee Technologies	Wireless sensor network
45.	A low-cost power line communication(PLC) on User-friendly monitoring system for residential PV system	Wireless sensor network
46.	Bus Ticketing based on a low cost M2M architecture for Intelligent Public transit Dynamic IP based Embedded Web server in Real Time on a Water Management system	Wireless sensor network
47.	RFID-based System for School Children Transportation Safety Enhancement	Wireless sensor network
48.	ZigBee(2,4G) Wireless Se nsor Network Application on Indoor Intrusion Detection	Wireless sensor network
49.	A GSM, WSN and Embedded Web Server Architecture for Internet Based Kitchen Monitoring System	Wireless sensor network
50.	Vehicle to Vehicle Safety Device - An Ease for Safe Driving	Wireless sensor network
51.	Design and Implementation of Water Environment Monitoring System using GSM Technology	Wireless sensor network
52.	Real Time AMR & Control of Household Energy Meter with Zigbee communication	Wireless sensor network

53.	The Application of ZigBee Technology to the Intelligent Bus Query System	Wireless sensor network
54.	ZigBee Wireless Communication for Monitoring Renewable Street Light System	Wireless sensor network
55.	WSN Based Utility System for Effective Monitoring and Control of Household Power Consumption	Wireless sensor network
56.	WSN-Based Smart Sensors and Actuator for Power Management in Intelligent Buildings	Wireless sensor network
57.	Survey of RFID Applications in Railway Industry	Wireless sensor network
58.	smart entrance guard control based on rfid card and zigbee authorization	Wireless sensor network
59.	Automated Control System for Emission Level & Rash Driving Detection in Vehicles	Wireless sensor network
60.	Black Box: An Emergency Rescue Dispatch System for Road Vehicles for Instant Notification of Road Accidents and Post Crash Analysis	Wireless sensor network
61.	Automated Irrigation System Using a Wireless Sensor Network and GPRS Module	Wireless sensor network
62.	Real time Monitoring and Control System for Green House Based On 802.15.4 Wireless Sensor Network	Wireless sensor network
63.	Sensor Fusion-Based Vacant Parking Slot Detection and Tracking	Wireless sensor network
64.	A Low-Cost Sensor Network for Real-Time Monitoring and Contamination Detection in Drinking Water Distribution Systems	Wireless sensor network
65.	Low Cost Internet Based Wireless Sensor Network for Air Pollution Monitoring using Zigbee Module	Wireless sensor network
66.	Environment monitoring and device control using ARM based Embedded Controlled Sensor Network	Wireless sensor network

67.	Data Acquisition system for Embedded wireless unmanned vehicle in underwater environment	Robotics
68.	Tracked Robot based on Neural Network Control System	Robotics
69.	Tele-operated UGV on a Surveillance 3D Hand –Tracking	Robotics
70.	Automatic Weed Detection System and Smart Herbicide Sprayer Robot for corn fields	Robotics
71.	Autonomous Soil Monitoring Robot Based on Sensors	Robotics
72.	WiFi Based Communication and Localization of an Autonomous Mobile Robot for Refinery Inspection	Robotics
73.	Design And Development Of Smart Sales Robot For Supermarket	Robotics
74.	Embedded Systems And Autonomous Car	Robotics
75.	A Robotic Crack Inspection and Mapping System for Bridge Deck Maintenance	Robotics
76.	Integration of Low-Cost Supervisory Mobile Robots in Domestic Wireless Sensor Networks	Robotics
77.	Path Following Using Dynamic Transverse Feedback Linearization for Car-Like Robots	Robotics
78.	Occlusion-Based Cooperative Transport with a Swarm of Miniature Mobile Robots	Robotics
79.	Optimization-Based Motion Planning in Joint Space for Walking Assistance With Wearable Robot	Robotics
80.	Negative Information for Occlusion Reasoning in Dynamic Extended Multi object Tracking	Robotics
81.	Multi robot Control Using Time-Varying Density Functions	Robotics

82.	Passivity and Stability of Human–Robot Interaction Control for Upper-Limb Rehabilitation Robots	Robotics
83.	Travolution- Road safety based on embedded system in passenger car	Sensors&Security
84.	Dairy farmers based on a design of milk analysis in embedded system	Sensors&Security
85.	Sensor Web Based on Release and storage of mine Gas monitoring data	Sensors&Security
86.	Monitoring and controlling of the Grain condition for Intelligent system based on ARM	Sensors&Security
87.	Blind people Bus detection system Based on RFID	Sensors&Security
88.	A Survey based on Wireless Sensor Networks for Condition Monitoring in the Railway Industry	Sensors&Security
89.	A Review on Wearable Sensors for Human Activity Monitoring	Sensors&Security
90.	Travolution-An Embedded System in Passenger Car for Road Safety	Sensors&Security
91.	Design and Implementation of a Rose Greenhouses Monitoring Based on Wireless Sensor Network	Sensors&Security
92.	Wireless Sensor Network Based on Smart Home for Elderly Care	Sensors&Security
93.	Microcontroller managed module for automatic ventilation of vehicle interior	Sensors&Security

94.	Application of Intelligent Sun Tracking System with Fuzzy Chip Controller	Sensors&Security
95.	System Engineering and Deployment of Envirobat	Sensors&Security
96.	Wireless Sensor Network-based Air Quality Monitoring System	Sensors&Security
97.	A Smart Sensor Network for Sea Water Quality Monitoring	Sensors&Security
98.	An Approach of Reliable Data Transmission With Random Redundancy for Wireless Sensors in Structural Health Monitoring	Sensors&Security
99.	Passive and Semi-Passive Wireless Temperature and Humidity Sensors Based on EPC Generation-2 UHF Protocol	Sensors&Security
100.	Electrical Impedance Tomography for Artificial Sensitive Robotic Skin: A Review	Sensors&Security
101.	Smart Lighting System ISO/IEC/IEEE 21451 Compatible	Sensors&Security
102.	Wearable Sensors for Human Activity Monitoring: A Review	Sensors&Security
103.	Recent Advances in Wearable Sensors for Health Monitoring	Sensors&Security
104.	Design and Calibration of the Unilateral Sensitive Soil Moisture Sensor	Sensors&Security
105.	A High Reliability Wearable Device for Elderly Fall Detection	Sensors&Security
106.	A Method for Uncertainty Assessment of Passive Sun-Induced Chlorophyll Fluorescence Retrieval by Using an Infrared Reference Light	Sensors&Security
107.	An Algorithm for the Automatic Analysis of Signals from an Oyster Heart Rate Sensor	Sensors&Security
108.	Blood Pulsation Measurement using Linearly Polarized Light	Sensors&Security
109.	Wireless Biosensing Using Silver-Enhancement Based Self-assembled Antennas in Passive Radio Frequency Identification (RFID) Tags	Sensors&Security

110.	Compact Personal Distributed Wearable Exposimeter	Sensors&Security
111.	Design and Experimental Validation of Novel Force Sensor	Sensors&Security
112.	Novel Calibration Model of Polarization Navigation Sensor	Sensors&Security
113.	A low power temperature to frequency converter for the on-chip temperature measurement	Sensors&Security
114.	PRT Embedded Micro-Heaters for Optimum Temperature Distribution of Air- Suspended Structures for Gas Sensor Applications	Sensors&Security
115.	Hybrid Blocking Algorithm for Identification of Overlapping Staying Tags between Multiple Neighboring Readers in RFID Systems	Sensors&Security
116.	Solar-Powered Wireless Temperature Sensor Based on UWB RFID with Self-Calibration	Sensors&Security
117.	A Differential Self-integration D-dot Voltage Sensor and Experimental Research	Sensors&Security
118.	Low resolution video for enhancing ATM using Unusual event detection	Sensors&Security
119.	The Road Detection System Based on Driver Gaze Tracking and Eyes Off	Sensors&Security
120.	Bluetooth Devices Survey of vehicle IOT	Sensors&Security
121.	Performance Analysis and Simulation Results for Feasibility of a Photovoltaic– Thermoelectric	Energy management
122.	Mobile devices supporting inductive and resonant operating modes of Wireless power systems	Energy management
123.	Photovoltaic pumping system based on MPPT technique	Energy management
124.	Intelligent Damage Detection for Wind Turbines on MEMS Multi sensor	Energy management
125.	fuzzy logic in solar-wind hybrid power system on MPPT control	Energy management
126.	Daily demand prediction and Zigbee network in Home energy management system	Energy management

127.	Energy harvesting in Run-Time Management for Multi core Embedded system	Energy management
128.	WSN-Based Smart Sensors and Actuator for Power Management in Intelligent Buildings	Energy management
129.	Energy-saving System for Classroom Based on Campus Card	Energy management
130.	Architecture of Web Services Interface for A Home Energy Management System	Energy management
131.	Experimental Study and Design of Smart Energy Meter for the Smart Grid	Energy management
132.	Ridge feature extraction on Biometric fingerprint authentication with minutiae	Biometric & Human machine systems
133.	Wireless Video-Based Face Recognition using Bandit Framework for Systematic Learning	Biometric & Human machine systems
134.	Palm print and Iris traits using fractional coefficients of Walsh, Haar and Kekre transforms in Bimodal biometric identification.	Biometric & Human machine systems
135.	Unsupervised clustering based in an efficient finger vein indexing scheme.	Biometric & Human machine systems
136.	Multimodal biometrics Security enhancement of internet banking applications.	Biometric & Human machine systems
137.	Design of ECG Based Biometric Recognition in Joint Feature Extraction and Classifier	Biometric & Human machine systems
138.	Detecting Hazard Situations at Level Crossings in a Video-Analysis-Based Railway-Road Safety System	Embedded based image processing

139.	Artificial Neural Network and Wavelet Transformed Feature Selection Based on License Plate Identification	Embedded based image processing
140.	Real-time Traffic Surveillance Based Moving Object Detection for a Genetic Algorithm .	Embedded based image processing
141.	Learning to Detect Anomalies in Surveillance Video	Embedded based image processing
142.	Automatic Video-Based Fire Detection on Spatio-Temporal Flame Modeling and Dynamic Texture Analysis	Embedded based image processing
143.	Interfacing of stereo vision-based smart glasses in Hand segmentation and fingertip detection	Embedded based image processing
144.	Artificial neural network on Automatic Indian currency denomination recognition system	Embedded based image processing
145.	Smart Factory based on a Visible Light Communication Link Protection Mechanism	Intelligent system
146.	Web and Wireless Sensor Network Control of Electrical Loads in Networked Switching and Poly morphing	Intelligent system
147.	Potholes and Humps on Roads to Aid Drivers on Automatic Detection and Notification	Intelligent system
148.	Scanning the Issue and Beyond: Transportation and Mobility Transformation for Smart Cities	Intelligent system
149.	Intra-Vehicle Networks: A Review	Intelligent system
150.	Hierarchical and Networked Vehicle Surveillance in ITS: A Survey	Intelligent system
151.	A Cooperative Train Control Model for Energy Saving	Intelligent system
152.	Online Cost-Sharing Mechanism Design for Demand-Responsive Transport Systems	Intelligent system
153.	Design of a Mobile Charging Service for Electric Vehicles in an Urban Environment	Intelligent system
154.	Road Edge Recognition Using the Stripe Hough Transform From Millimeter-Wave Radar Images	Intelligent system

155.	Nonparametric Technique Based High-Speed Road Surface Detection	Intelligent system
156.	A Train Localization Algorithm for Train Protection Systems of the Future	Intelligent system
157.	A Runtime Integrity Monitoring Framework for Real-Time Relative Positioning Systems Based on GPS and DSRC	Intelligent system
158.	A Practical Wireless Attack on the Connected Car and Security Protocol for In- Vehicle CAN	Intelligent system
159.	Performance Evaluation of GNSS for Train Localization	Intelligent system

PROJECT SUPPORTS FOR STUDENTS:

- ❖ PROJECT ABSTRACT
- ❖ PROJECT IEEE BASE PAPER/ REFERENCE PAPER
- ❖ PROJECT PRESENTATION IN PPT FORMAT
- ❖ PROJECT REVIEW ASSISTANCE FOR VIVA
- ❖ PROJECT DIAGRAMS
- ❖ PROJECT SOURCE CODE
- ❖ PROJECT REPORT
- ❖ PROJECT SCREEN SHOTS
- ❖ PROJECT DEMO
- ❖ PROJECT EXPLANATION
- ❖ PLAGARISM DOCUMENTATION
- ❖ INTERNATIONAL JOURNAL/CONFERENCE PUBLISHING
- ❖ PROJECT ACCEPTANCE LETTER
- ❖ PROJECT COMPLETION CERTIFICATE

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