

ECE EMBEDDED MAJOR PROJECTS LIST



S.NO	WEBSERVER - IOT BASED APPLICATION	IEEE
1	An Intelligent Universal Remote Monitoring & Control System For Home Appliances	2016
2	A Low Cost M2m Architecture For Intelligent Public Transit	2016
3	Automated Irrigation System In Agriculture Using IOT Technology	2016
4	Effective Ways To Use IOT In The Field Of Medical And Smart Health Care	2016
5	Last-Meter Smart Grid Embedded In An IOT Platform	2016
6	An Embedded System Based Monitoring System For Industries With IOT Environment	2015
7	Performance Evaluation Of GNSS For Train Localization	2015
8	IOT Based School Children Transportation Safety System	2015
9	An Integrated System For Regional Environmental Monitoring And Management Based On IOT	2014
10	A Consumer Transceiver For Long Range IOT Communications In Emergency Environments	2014
11	Independent Living For Persons With Disabilities And Elderly People Using GPS As A Security	2014
12	Fiscal Cash Registers With Integrated GPRS Terminal	2014

TELANGANA: Head office: 2nd floor, Solitaire plaza, Beside Image Hospital, Ameerpet, HYD, Ph: **04044433434**.
Dilsukhnagar (HYD) (9000404181); Warangal (9000739460).

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MAHARASHTRA: PUNE (9763602006); Nagpur (9145532006).

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	WIFI/ETHERNET/TCP IP - BLUETOOTH APPLICATION	
13	A Rule Based Service Customization Strategy For Smart Home Context Aware Automation	2016
14	Multiple Patient Health Care Monitoring On TCP IP	2016
15	Smart Configuration Of Smart Environments	2016
16	Pre-fetching Based Data Dissemination In Vehicular Systems	2015
17	Android Based Health Care Monitoring System	2015
18	Implementation Of Smart Restaurant With E-Menu Card	2015
19	Bluetooth Device Based Access Control System	2015
20	An Embedded System Based Android Library	2015
21	Android Password Based Remote Door Opener System	2015
22	Wi-Fi Enhanced Finger Print In Smart Building	2015
23	A Blind Navigation System Using RFID For Indoor Environments	2015
24	A Mobile System For Vital Signal's Data Collection And Data Presentation	2014
	FINGER PRINT RECOGNITION	
25	Biometric System Based Locker Security System	2016
26	Smart Attendance Monitoring And Auto Paging System	2016
27	Biometric Systems Based ATM Security System	2016
28	Finger Print Recognition Based Most Secured Vehicle Access Control System	2015
29	EVM For Feedback Collection System In Colleagues	2015

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REAL - TIME GPS & GSM BASED APPLICATIONS		
30	Driver Gaze Tracking And Eyes Off The Road Detection System	2016
31	Electronic Visits In Primary Care: Modeling, Analysis, And Scheduling Policies	2016
32	Electronic Protection For Exam Paper Leakage	2016
33	Child Presence Detector And Warning System In Car	2015
34	ATM Security With RFID And One Time Password (OTP) Through GSM	2015
35	Design And Implementation Of An SMS Based Home Security System	2015
36	Smart Vehicle Security System For Defending Against Collaborative Attack By Malware	2015
37	RFID & GSM Based Intelligent Courier Mailbox With Automatic Delivery Notification	2015
38	GPS & GSM Based Human Health Monitoring And Alert System	2015
39	An Enhanced Fall Detection System For Elders Using GSM And GPS	2014
40	Automated System For Air Pollution Detection And Control In Vehicles	2014
41	Remote Controlling Of Home Appliances Using Mobile	2014
42	An Innovative College Bus Information System To Students Using GSM	2014

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AUTHENTICATION & SECURITY BASED APPLICATIONS		
43	Sensor Fusion-Based Vacant Parking Slot Detection And Tracking	2015
44	A Universal Remote Controller With Haptic Interface For Customer Electronic Devices	2015
45	Application Of RFID Technology And The Maximum Spanning Tree.	2015
46	Design And Implementation Of School Children Tracking System	2015
47	Employee Login And Logout Management System With RFID	2015
48	Live Bus Stops And Modern Buses Technology	2015
49	Implementation Of Green Wave System And Detection Of Stolen Vehicles	2015
50	Convenience Probe: A Phone-Based System For Retail Trade-Area Analysis	2014
51	Implementation Of Children Activity Tracking System	2014
WIRELESS COMMUNICATION APPLICATIONS		
52	ZIGBEE Based Automatic Street Light Controlling System	2016
53	Traffic Congestion Control With Automatic Signal Clearance	2016
54	Traffic Signal Phase And Timing Estimation From Low Frequency Transit Bus Data	2015
55	Home Appliance Load Modeling From Aggregated Smart Meter Data	2015
56	ZIGBEE Network System For Observing Operating Activities Of Work Vehicles	2015

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57	Portable Roadside Sensors For Vehicle Counting, Classification & Speed Measurement	2015
58	Safety Helmet For Bike Authentication & Alcohol Sensing For Riders	2015
59	Energy Efficient Data Collection In Wireless Sensor Networks	2015
60	Coalmine Safety System With ZIGBEE Specification	2015
61	Real Time Building Zone Occupancy Detection And Activity Visualization Utilizing A Visitor Counting Sensor Network	2015
62	Economically Fully Centralized System In Building Automation With Wireless Sensor Networks	2015
63	Real Time Multi Patient Monitoring System Using Arm And Wireless Sensor Network	2015
64	Auto Floods & Tsunami Alerting Center	2015
	ROBOTICS APPLICATIONS	
65	End User Personalization Of A Smart Home And Companion Robot	2016
66	Robotic Automated External Defibrillator Ambulance For Emergency Medical Service In Smart Cities	2016
67	WIFI Based Communication & Localization Of An Autonomous Mobile Robot For Refinery Inspection	2016
68	An Advanced Robot For Military Application	2015
69	Partial Automation Of Coal Stocking Process Into Furnace	2015
70	Search & Rescue Robot For Victims Of Earthquake And Other Natural Calamities With Remote Virtual	2015
71	Smart Host Microcontroller For Optimal Battery Usage	2015

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ULTRASONIC & VOICE APPLICATIONS		
72	Vehicle Accident Avoidance System	2016
73	Head Movement Based Device Switching For Physically Challenged With Voice Alert	2015
74	Travel Assistant For Blind With Dynamic User Input For Location Based Alerts.	2015
75	Head Movement Controlled Car Driving System To Assist The Physically Challenged	2015
76	Touch Screen & ZIGBEE Based Wireless Assistant For Dumb/Illiterates In Airlines	2015
EMBEDDED - MATLAB PROJECTS		
77	Fruit Recognition System Using Image Processing	2016
78	Assistive Text And Product Label Reading From Hand Held Objects	2016
79	Driver Gaze Tracking And Eyes Off The Road Detection System	2015
80	Arm7 Based Smart Car Security System	2015
81	Embedded Based Door Access Control & Security System Based On Face Recognition	2015
82	Voice Based Robot Movements Controlling System	2015
83	Voice Recognition Based HAS (Home Automation System)	2015
84	Optimal Vehicle Communication Near Traffic Signals Identification	2015
85	Speaker Enabled Password Recognition	2015

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	GENERAL APPLICATIONS	
86	Portable Roadside Sensors For Vehicle Counting Classification & Speed Measurement	2016
87	Theft Detection In ATM	2016
88	E-Aadhaar ID Based Electronic Voting Machine	2016
89	The Autonomous Recognition Of Left Behind Passengers In Parked Vehicles	2015
90	Automatic Car Parking Slot Indicator System	2015
91	Automatic Drunken Driven Detecting System Using Arm7 Microcontroller	2015
92	Railway Track Pedestrians Crossing Without Any Staircase	2015
93	Embedded Based Automated Blood Bank	2015
94	An Electronic Information Help Desk For Educational Institutions	2015
95	Automatic Monthly Energy Meter Billing Over GSM To Users	2015
96	Auto Metro Train To Shuttle Between Stations	2015
97	Vehicle Movement Based Street Light Control System	2014
98	Ultrasonic Sensor Based Parking Guidance System	2014
99	Robust Railway Crack Detection System	2014
100	Portable Programmable Medication Reminder	2014

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