

EEE EMBEDDED MAJOR PROJECTS LIST

S.NO	PROJECT NAME	PUBLICATION
1	Implementation Of VVVF Drive For A Single Phase Induction Machine	IEEE
2	An Algorithm For Home Energy Management Using Environmental Conditions	IEEE
3	Design And Development Of A Stand-Alone Solar Energy Harvesting System By MPPT And Quick Battery Charging	IEEE
4	Weather Based Smart Watering System Using Soil Sensor And GSM	IEEE
5	Design Of Embedded Based Automated Reading System For Real Time Processing	IEEE
6	A Cyber Security Detection Framework For Supervisory Control And Data Acquisition Systems	IEEE
7	Obstacle Detection And Avoidance By A Mobile Robot	IEEE
8	Performance Of Phasor Measurement Units For Power Quality Event Detection In Urban Distribution Grids	IEEE
9	Power Reduction For Smart Homes	IEEE
10	A New Approach For Fault Location On Modern Distribution Systems With Integrated Distributed Energy Resources (DER)	IEEE
11	A Smart Zigbee Based Real Time Automatic Meter Reading Of Household Energy-Meter	IEEE
12	Environment And Solar Map Construction For Solar-Powered Mobile Systems	IEEE
13	A Framework Of A Smart System For Prepaid Electric Metering Scheme	IEEE
14	The Application Is Based On Parameters Monitoring And Controlling Of Universal Motor Speed Control System	IEEE
15	Design And Implementation Of Low-Cost SMS Based Monitoring System Of Distribution Transformers	IEEE
16	Automatic Dual-Axis Solar Tracking System	IEEE
17	A Fast Mechanical Switch For Medium-Voltage Hybrid DC And AC Circuit Breakers	IEEE
18	GSM Based Smart Home And Digital Notice Board	IEEE
19	Design And Implementation Of A Home Automation System For Smart Grid Applications	IEEE
20	Surveillance And Steering Of Irrigation System Using Wireless Sensor Network	IEEE

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Dilsukhnagar (HYD) (9000404181); Warangal (9000739460).

ANDHRA PRADESH: Vijayawada (9000404182); Tirupathi (0877-6061111, 7207208081).

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

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21	Real-Time Wireless Sensor-Actuator Networks For Industrial Cyber-Physical Systems	IEEE
22	Current Transformer Saturation Prevention Using A Controlled Voltage Source Compensator	IEEE
23	An Integrated Protection And Control System For Electricity Distribution Networks Based On Package Transmission Communication Network	IEEE
24	A Novel Adaptive Phase Selector Based On Fault Component	IEEE
25	A Wireless Sensor Network For Distributed Transient Fault Management Methodology	IEEE
26	Decision Model For Sustainable Electricity Procurement Using Nationwide Demand Response	IEEE
27	Design And Implementation Of Four Quadrant DC Drive Using Chopper	IEEE
28	Design And Implementation Of A Zigbee For Home Automation Control System And Power Monitoring System	IEEE
29	Room Ventilation Control By A Self-Sensing Fan	IEEE
30	Impact Demand Response Of Smart Home Management Strategies On Expected Lifetime Of Transformer	IEEE
31	Electric Sweeping Machine (Universal Motors)Speed Control System Using TRAIC	IEEE
32	Current Transformer Selection Techniques For Low-Voltage Motor Control Centers	IEEE
33	Remote Monitoring Of High-Voltage Disconnect Switches In Electrical Distribution Substations	IEEE
34	Mobile System Shutdown Prevention Via Energy Storage-Aware Predictive Control	IEEE
35	Intelligent Power Supply Restoration In Power Distribution Networks With Distubuted Generation	IEEE
36	Remote Condition Monitoring Of Real-Time Light Intensity And Temperature Data	IEEE
37	Wireless Smart System For Monitoring And Driving Of Household Electrical Facilities Remotely Control	IEEE
38	GSM Based DC Motor Monitoring And Speed Control	IEEE
39	Wireless Real Time Security Control System For Smoke And Fire Detection With Message And Voice Alert	IEEE
40	Design Of Smart Home Control System Based On Zigbee	IEEE

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41	The Design Of A Remote Meter Acquisition Module Based On RF	IEEE
42	Innovative Differential Protection Of Power Transformers Using Low-Energy Current Sensors	IEEE
43	Design Of Automatic Power Consumption Control System Using Smart Grid	IEEE
44	PC-Based Efficient Monitoring For Overhead Transmission Line In Smart Grid	IEEE
45	An Improved Method For Protection Of Three Phase Induction Motor Using Microcontroller	IEEE
46	A Novel Technique Of Ac Power Control Using Micro Controller Based Inverter	IEEE
47	Zigbee Wireless Network Based Energy Saving Project For Heating Systems	IEEE
48	Low Cost Radio Frequency Controlled Robot For Environmental Condition Monitoring	IEEE
49	Design Of Wireless Temperature Monitoring System For High-Voltage Transformer Based On Zigbee	IEEE
50	A Zigbee Based Energy Efficient Environmental Monitoring Alerting And Controlling System	IEEE
51	Optimal Data Transmission And Battery Charging Policies For Solar Powered Sensor Networks Using Markov Decision Process	IEEE
52	Energy Saving Technology On Irrigation System For Rice Crop	IEEE
53	An Intelligent System For Monitoring And Controlling Of Street Light Using GSM Technology	IEEE
54	Automation Of Residential Electricity Cut Off Using Network Based Embedded Controller	IEEE
55	Wireless Humidity And Temperature Monitoring And Alarming System	IEEE
56	Remote-Controllable And Energy-Saving Room Architecture Based On Zigbee Communication	IEEE
57	Automatic Irrigation System On Sensing Soil Moisture And Real Time Set	IEEE
58	Wireless Home Appliance Like Fan Speed Control Using RF Communication	IEEE
59	Design Of Multi-Axis Motion Control System For Stepping Motor	IEEE
60	Design & Implementation Of Wireless Transceiver For Data Acquisition In Wireless Sensor Network	IEEE

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61	Wireless And Sensor Fusion System For Indoor Human Detection Method For Residential Smart Energy Systems	IEEE
62	Information Model And Communication Protocol For Remote Monitoring Of Power Supply	IEEE
63	The Automatic Precision Water-Saving Irrigation Control System	IEEE
64	Wireless Sensor Network And GSM Based Remote Home Security System	IEEE
65	Chopper Circuit Based DC Motor Speed Control	IEEE
66	RTC Base Automatic Induction Heating System	IEEE
67	Variable Speed Control Of Universal Motor By Using Power Electronics Device Like IGBT/MOSFET	IEEE
68	Fault Detection For UPS System Using GSM	IEEE
69	Automatic Transformer Distribution And Load Sharing With Auto Protection	IEEE
70	Voice Alert System for Residential/Industrial Security Applications	IEEE
71	GSM Based Distance Calculation For Transmission Line Fault	IEEE
72	Electric Lineman Protection Using User Changeable Password Based Circuit Breaker	IEEE

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