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For: - B. E | B. Tech | M. E | M. Tech | MCA | BCA | Diploma |MS |M. Sc |
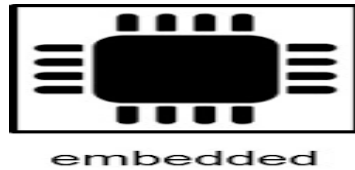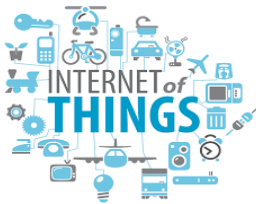
**IEEE
REAL TIME PROJECTS& TRAINING GUIDE
SOFTWARE & EMBEDDED**

Java

Microsoft .NET

ANDROID

hadoop

INTERNET of THINGS

embedded

NS-2 NETWORK SIMULATOR

MATLAB The Language of Technical Computing

VLSI

ARM Cortex-A15

php MySQL

python

raspberry pi

MECHANICAL ENGINEERING

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IEEE & Application Projects

**BE, Diploma, BSc
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PROJECTS TITLES FOR ACADEMIC YEAR 2018-2019

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S.No	PROJECT TITLES (2018-2019)
	B.E/M.E EEE ELECTRICAL PROJECTS
1	18_3_IEEE_IOT – NAVGUIDE - ELECTRIC AID FOR VISUALLY IMPAIRED PEOPLE
2	18_6_IEEE_COTTON FLUCKER AND FABRIC FOR IRRIGATION AND FARM MONITORING
3	18_1_514_IEEE_Efficiency Improvement of Photovoltaic Panels by Design Improvement of Cooling System using Water Cooler
4	18_2_IEEE_IOT - SRE - Semantic Rules Engine for the Industrial Gateways
5	18_5_IEEE_A Hybrid Approach for Identification of Manhole and Staircase to Assist Visually Challenged
6	18_6_IEEE_IoT based Solar Powered Agribot for Irrigation and Farm Monitoring
7	18_11_482_IEEE_ECSHUB - An Off Grid Bunk
8	18_14_200_IEEE_IOT V2I Communication - RSU Unit for Persistent Traffic Measurement
9	TALKING INSTRUMENT – ELECTRIC LAB
10	SMART SOIL TESTING SYSTEM FOR FARMERS
11	Smart Engine Control Unit with Anti-Theft Scenario Aiding in Motorcycle Security
12	IOT Based Smart Talking Energy Meter
13	IOT - Smart Socket for Residence with AWS
14	466_Novel Recon?gurable Micro grid Architecture with Renewable Energy Sources
15	17_31_IEEE_Electrical ARC Hazard Classification and Analysis
16	17_32_499_IEEE_Island - Grid Connected DC Distributed Generation
17	17_33_431_IEEE_Identification of Underground Cable Fault Location
18	17_34_IEEE_Overhead Line Fault Detection Using GSM Technology
19	17_35_IEEE_Sensor Fault Classification Based on Support Vector Machine and Statistical Time-Domain Features MATLAB
20	1_Invisible Eye – An advanced Security System Using Web Camera
21	17_36_IEEE_Studies on the Implementation of Algorithms for Electric ARC Detection
22	17_14_IEEE_Automated Lighting System for Park Pathways
23	17_15_IEEE_Efficient Remote Control System using SMS Technology for Outdoor Security Lighting Applications
24	473_A Novel Ground Fault Non-Directional Selective Protection
25	473_Earth Fault relay for single phase system
26	474_Dual Axis Control and Remote Alignment of Dish Positioning by Android Application
27	485_Alternate Energy from Busy Road for Development of Smart City - Thermal & Piezo
28	485_Alternate Energy from Busy Road for Development of Smart City
29	489_Biometric and Laser Based Safe Locker Security System
30	491_Research and Design of Embedded Timber Drying Monitoring System
31	494_AUTOMATIC POWER FACTOR CONTROL
32	17_20_500_IOT - Camcorder piracy - Aadhaar Based Anti-Piracy Screen
33	17_21_Talking Energy Meter
34	17_22_345_IOT - Bellandur Lake - Analysis and Metering of Industrial Waste Water
35	17_16_46_IEEE_Development of Intelligent Power Wheelchair
36	17_2_63_IEEE_IOT- INDUSTRIAL CAN ANALYZER FOR PRODUCTION QC
37	475_An RFID based Smartphone Proximity Absence
38	479_IoT Based Smart Geyser Automation wrt Environment Condition to Save Electricity
39	479_Wireless power theft, overvoltage and overload monitoring system And geyser automation
40	482_SOLAR POWERED ELECTRIC VEHICLE CHARGING STATION
41	484_IOT - RESIDENCE ENERGY CONTROL SYSTEM BASED ON WIRELESS SMART SOCKET AND IOT
42	17_3_107_IEEE_IOT based Smart Greenhouse
43	17_4_IEEE_Dynamically Controlling Exterior and Interior Window Coverings through IoT for Environmental Friendly Smart Homes
44	17_5_459_IEEE_Dynamic Solid Waste Collection and Management
	17_6_IEEE_Design and Implementation of a Fingerprint Based Lock System for Shared Access
45	17_7_IEEE_A Decision Support System for Cooperative Logistics
46	17_8_IEEE_Blister Testing in Drug Industry
47	17_12_284_IEEE_Terrian Mapping - Towards Automated Map Updating for Mobile Robot Localization
48	17_13_IEEE_Microservice-based IoT for Smart Buildings
49	17_26_IOT-Industrial Breath Exhale
50	17_28_Driverless Train Shuttle between Two Stations
51	17_39_347_IOT - Smart Refrigerator

52	17_40_IEEE_Performance enhancement and IoT based monitoring for smart home
53	17_41_240_IEEE_Theft Detection Based GSM Prepaid Electricity System
54	17_42_IEEE_A Web Service Based Application Serving Vegetation Condition Indices for Flood Crop Loss Assessment
55	17_45_A Multi-function Robot for Military Application
56	17_46_IOT - Leaf Lattice and Smart Agriculture
57	17_47_256_IOT - Aadhar Card based Biometrics Electronic Voting System with Embedded Security Along With Remote Access
58	17_48_Iot based flood crop loss assessment and smart security
59	17_49_329_IOT – ChargeItSpot
60	17_50_Swachh Abhiyan - Door-to-Door Pickup of Household Hazardous Waste
61	17_51_256_IEEE_Design of a solar power Electronic Voting Machine
62	17_55_IEEE_IOT base Smart Home Appliances by using Cloud Intelligent Tetris Switch
63	17_59_IEEE_Challenges and Opportunities of Waste Management in IoT
64	17_61_IEEE_Secure IoT Platform for Industrial Control Systems
65	17_62_IEEE_A Smart Approach on Collecting Working Condition Data from Home Appliances under the Field Test
66	17_63_IEEE_Design and implementation of remotely located energy Meter Monitoring with Load Control
67	17_65_IEEE_I Parker-A New Smart Car-Parking System Based on Dynamic Resource Allocation
	17_66_238_IEEE_Advance Automatic Toll Collection & Vehicle Detection During Collision using RFID
68	17_67_IEEE_Electrical appliances control prototype by using GSM module and Arduino
69	333_IOT Based Remote Virtual Lab Industrial Automation using Cloud Server
70	GESTURE BASED BILLING TROLLEY FOR SHOPPING MALL
71	IOT based Delivery Boys Safety Control and Bike Analyzer – Helmet
72	465_Mindwave based robot control and home automation
73	TALKING INSTRUMENT – ELECTRIC LAB
74	3_IMPLEMENTING PERIPHERALS USING 32-BIT ARM uC
75	7_IMPLEMENTING PERIPHERALS USING 8051 uC
76	8_TEMPE AND HUMIDITY CONTROL SYS USING GLCD AND ARM
77	21_Android based Sign Board Detection with Image & Voice Alert System
78	21_Application of RF Technology to Solve Traffic Signal Scheduling by Monitoring the Vehicle Intensity in the Particular Road
	39_FIRE SENSING ROBOT
79	45_GSM BASED LED NOTICE BOARD
80	46_Gesture and Speech based wheel chair control for physically challenged person using Android Bluetooth technology
81	46_Speech based wheel chair control for physically challenged person using Android Bluetooth technology
82	62_FIRE SENSING ROBOT WITH RF AND ALARM
83	64_DIALY SMS REPORT BASED PREPAID & POSTPAID ENERGY METER
84	64_DIALY SMS REPORT BASED PREPAID ENERGY METER
85	65_Laser based assert monitoring system
86	69_SINGLE AXIS SOLAR PANEL CONTROLLER AND POWER OPTIMIZATION
87	73_student attendance management system
88	75_SMS BASED DC MOTOR SPEED CONTROL
89	76_SMS BASED AC MOTOR SPEED CONTROL
90	77_Simple radar system with border security system
91	80_WIRELESS TRANSFORMER PARAMETER MEASUREMENT AND PROTECTION
92	81_EARTHQUAKE DISASTER RESCUE ROBOT
	82_SMS BASED NOTICE BOARD USING GSM & LCD WITH PERIOD BELL
93	83_INTELLIGENT ENERGY SAVING SYSTEM IN LIBRARIES
94	84_STREET LIGHT POWER SAVER
95	87_Bluetooth embedded robotic agriculture plowing, seeding and grass cutting powered by solar energy
96	87_BT embedded robotic lawn mover powered by solar energy
97	87_Seed Sowing Plowing and Waste Grass Cutting Robot with Android Application
98	106_PLANET ROVER USING RF
99	122_HITECH JAIL
100	125_ZIGBEE WIRELESS POWER MANAGEMENT UNIT FOR ENERGY METER
101	139_AUTOMATIC STREET LIGHT SENSOR WITH SMS ERROR REPORT
102	151_Design and Implementation of Pyroelectric Infrared Sensor based Security System
	165_Intelligent Remotely Device Controlled System for Industrial Electrical Appliances through Zigbee Wireless Networks
103	169_2 AXIS STEPPER MOTOR CONTROL FOR SOLAR PANEL WITH POWER OPTIMIZATION

104	169_Two Axis Based Solar Tracking for Power Conservation in Irrigation System
105	173_Industrial Conveyor Batch Counter for Packing Automation
106	180_Embed - Electronic Stick for Vision Control of Pre-defined Area with FN-M16P Module Voice Alert
107	184_AUTOMATIC SPEED BREAKING SYSTEMS FOR VEHICLES
108	189_Converyor System Automated Restaurant Management System
109	194_MICROCONTROLLER BASED AUTO COLLEGE BELL WITH SPEAKER ANNOUNCEMENT
110	196_EM - More Efficient Home Energy Management System Based on ZigBee Communication and Infrared Remote Controls
111	196_More Efficient Home Energy Management System Based on ZigBee Communication and Infrared Remote Controls
112	201_Integrated and Automated Vehicle Bay Arrangement System to Avoid Congestion in a Public Parking Area
113	207_Demand Side Load Management of Smart Grids Using Intelligent Trading Metering Billing
114	210_REAL TIME AUTOMATION IN PADDY FIELD WITH SECURITY
115	211_ fault detection and correction of AC motor
116	211_Fault detection and correction of DC motor
117	214_Android - Design of an Intelligent Combat Robot for war field
118	215_Automatic Visitor Count with Room Light Control
119	220_Customised Wireless Sensor Node to Detect Hazardous Gas Pipeline Leakage
120	228_ANDROID & BLUETOOTH BASED VOICE CONTROLLED WIRELESS SMART HOME SYSTEM
121	228_Android based Home Automation using GSM
122	228_IOT-HIVE Home Automation System for Intrusion Detection
123	240_Wireless power theft, overvoltage and overload monitoring system
124	256_Aadhar Card based Biometrics Electronic Voting System with Embedded Security Along With Remote Access
125	256_Biometrics Using Electronic Voting System with Embedded Security Along With Remote Access and Threaten Alert to Election Board
126	257_Design and Implementation of a Power Converter for Electric Bike with Charging Feature
127	275_Wireless Speed Control of Single Phase AC Induction Motor
128	276_GSM Based Industrial Disaster Intimation Control System (GIDICS)
129	284_IEEE_Terrian Mapping - Towards Automated Map Updating for Mobile Robot Localization
130	298_DENSITY BASED TRAFFIC SIGNAL CONTROL & INTELLIGENT AMBULANCE FOR CITY TRAFFIC with Zigbee communication
131	315_Solar powered house and transmitting the extra power to the government mains
132	319_Renesas Based Renewable energy - 12V DC Power generation using Back EMF & Solar for LED load
133	321_IOT based irrigation system with without internet and pump set control with status notification
134	321_Solar powered Irrigation with auto control of pump & SMS alert
135	324_A ZIGBEE BASED MONITORING AND PROTECTION SYSTEM FOR BULDING ELECTRICAL SAFETY
136	325_speech based high alert building automation and security alert through android with earthquake alert
137	329_coin based universal mobile battery charger using solar panel
138	329_Coin Based Universal Mobile Battery Charger, Purified Drinking Water with Emergency Alert System
139	343_A Review on Design of Automated Floor Cleaning System
140	343_Autonomus Cleaning Robot
141	345_Android based water quality monitoring
142	346_AUTOMATIC DIM & DIPPER FOR AUTOMOBILES
143	347_IoT based Refrigerator, Storage room and FMCG products stock monitoring with Email alert of Purchase Order
144	348_PC Based Multiple Sensor Tester For Industrial Production
145	356_Rotating solar system for automobiles with Boost & charge control
146	357_Eye-Blink Control to Navigate a Wheel Chair of a Paralyzed Individual
147	366_Rash Driving Detection And Collision (Accident) Avoidance System With Steering Controlled Headlight Mechanism Of Vehicles.
148	373_ENERGY EFFICIENT LED LIGHTING SYSTEM FOR COMMERCIAL PURPOSE
149	374_AUTOMATED SYSTEM IN PUBLIC PLACES HAVING MULTIPLE APPLICATIONS
150	375_Remote Control System of High Efficiency and Intelligent Street Lighting using Android Server
151	376_ER Lock - Intelligent Anti-Theft Tracking and Accident Detection System for Automobiles Based on IOT
152	378_Hardware Demonstration of a Home energy management system for demand response applications
153	380_(Only GSM)_Electricity Energy Unit limits Per Sqft Land – Resource management responsibility per family
154	380_IOT-Electricity Energy Unit limits Per Sqft Land – Resource management responsibility per family
155	380_Theft_Electricity Energy Unit limits Per Sqft Land – Resource management responsibility per family
156	382_Online Monitoring of Geological CO2 Storage and leakage based on wireless sensor networks
157	392_Smart Device for Optimal Use of Stored Renewable Power with Automatic Switching using Matlab

158		396_LOW POWER WIRELESS SENSOR NETWORK FOR BUILDING MONITORING
159		396_Micro-Electronics Methodology for Automation of Factory Using Integrated Networks on a Wireless Media
160		407_Fire Avoidance and Electric Circuit Breaker System in Train along with Alerting Approaching Station
161		411_Design and Implementation of Client-Server based Remote Machine Control System using Web Services for Industrial Applications
162		420_A Reconfigurable Smart Sensor Interface for Industrial WSN in IoT Environment using web server
163		420_Industrial Data Acquisition System with Smart Wireless Sensor Interface based on Internet of Things using WiFi Network
164		427_ELECTRIC LINEMAN PROTECTION USING USER CHANGEABLE PASSWORD BASED CIRCUIT BREAKER
165		429_Substation Phase Controller for automatic load shedding with overload alert
166		431_IOT Based Underground Cable Fault Detection
167		431_Underground Cable Fault Detection and Alert with Voice Commands using FN-M16P.
168		439_Fault Analysis and Electrical Protection of Distribution Transformer with FN-M16P MP3 Unit
169		443_Android_Robust Railway Crack Detection Scheme (RRCDS) Using LED-LDR Assembly
170		445_Automatic Transformer Load sharing system with SMS Altering
171		445_GSM BASED POWER SHARING OF TRANSFORMER WITH AUTOMATIC LOAD SHEDDING SYSTEM
172		449_Design and Development of Object Recognition and Sorting Robot for Material Handling in Packaging and Logistic Industries
173		452_Controlling of Electrical Devices with Automatic Active Phase Selector
174		452_Remote Monitoring and Controlling of Electrical Devices with Automatic Active Phase Selector
175		453_Automated Waste Segregator
176		459_Android - An Approach for Monitoring and Smart Planning of Urban Solid Waste Management
177		459_Garbage and Street Light Monitoring System with Automatic Door Mechanism
178		459_IOT Based Monitoring and Smart Planning of Urban Solid Waste Management
179		461_Design and Fabrication of Liquid Dispensing Machine Using Automatic Control for Engg Industry
180		468_Pot hole detection sensor robot notifying its location to the local authority via android
181		471_Android-GreenCharge Managing Renewable Energy in Smart Buildings
182		471_GreenCharge Managing Renewable Energy in Smart Buildings

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