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|  | **EEE EMBEDDED MAJOR PROJECT LIST 2019- 2020** |  |
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| **S.NO.** | **TITLE NAMES** |
| 1 | Smart DC Micro Grids: Modeling And Power Flow Analysis Of A DC Micro Grid For On-Grid And Weak-Grid Connected Communities |
| 2 | Secure And Sustainable Load Balancing Of Distribution Transformer |
| 3 | Design And Implementation Of A Sun Tracker With A Dual-Axis Control For An Optical Sensor-Based Photovoltaic System |
| 4 | AC-Fed Universal Motor With Open Loop Speed Control |
| 5 | Direct High-Speed Charging Of Electric Cars By Solar Panels |
| 6 | The Role Of Wireless Communication Systems To Control Smart Grids |
| 7 | GSM Based Automatic Irrigation Control System For Efficient Use Of Resources And Crop Planning By Using An Android Mobile |
| 8 | AMIDS: A Multi-Sensor Energy Theft Detection Framework For Advanced Metering Infrastructures |
| 9 | Industrial Automation And Control Based On Cyber-Physical Systems Technologies |
| 10 | Building A Sustainable Future Using Smart Street Lights |
| 11 | Analysis Of Fault Detection And Its Location Using Microcontroller For Underground Cables |
| 12 | Advanced Distribution Transformer Load Monitoring And Controlling By Using GSM Modem |
| 13 | Performance And Evaluation Of Microcontroller Based Multi Mode Sun Tracking Solar Photo Voltaic System |
| 14 | Analysis Of Microcontroller Based Four Quadrant Speed Control System For A DC Motor |
| 15 | Power Control Of Grid-Connected Converters Under Unbalanced Voltage Conditions |
| 16 | Strategic Zones For Substation Cyber Security Protection |
| 17 | Real Time Power Distribution System with RTC and GSM SMS Alert |
| 18 | Improving Energy Efficiency In Predicted Energy And Actual Energy Consumption Using WSN |
| 19 | Intelligent Pin And Voice Activated Home Automation |
| 20 | Post-Paid Wireless Meter Reading System For Automatic Power Controlling And Consumption Billing Applications |
| 21 | Micro Grid Architecture For Line Fault Detection And Isolation |
| 22 | Impact Of Open Phase Conditions On Electrical Power Systems |
| 23 | Variable Fan Speed Controller Using TRIAC |
| 24 | Pharos Measurement Units For The Distribution Grid |
| 25 | IOT Based Smart Farming System Using Sensors For Agricultural Task Automation |
| 26 | Remote Control Of Electrical Appliances Using GSM Networks |
| 27 | Battery Cell Balancing Optimization For Battery Management System |
| 28 | A Survey On Security Control And Attack Detection For Industrial Cyber-Physical Systems(SCADA) |
| 29 | Distributed And Centralized System Protection Schemes Against Voltage And Current Emergencies |
| 30 | Energy Saving By Automatic Control Of Power In Simple Home Appliances |
| 31 | IOT Based Energy Meter Reading System With Automatic Billing |
| 33 | Fault Acknowledgement System For Ups Using GSM |
| 34 | Radio Frequency Based Automatic Meter Reading System |
| 35 | Vehicle Collision Detection And Avoidance |
| 36 | Interconnection Switches On-Off State Identification Of Distribution Networks Based On Load Measurement |
| 37 | Time And Device Based Priority Induced Demand Side Load Management In Smart Home With Consumer Budget Limit |
| 38 | Smart Home Energy Management System For Continuous Power Supply With Economic Utilization Of Electrical Energy |
| 39 | New Protection Scheme For Power Transformer Based On Superimposed Differential Current |
| 40 | Research On Thermal Deformation Modeling Of High Speed Motor Control |
| 41 | Energy Efficient Sun Synchronous Solar Panels Using Ldr Sensor |
| 42 | Real Time Automation Of Agriculture Land |
| 43 | Design And Implementation Of PWM Based Speed Controller On Optimized Dc Machine Driver With The Help Of GSM Message |
| 44 | A Lightweight And Flexible Encryption Scheme To Protect Sensitive Data In Smart Building Scenarios |
| 45 | Intelligent Electrical Load Shedding In Heavily Loaded Industrial Establishments |
| 46 | Real-Time Monitoring Of Transmission Line Parameters |
| 47 | Distributed Smart Home Architecture For Data Handling In Smart Grid |
| 48 | Real-Time WSN Based Environmental Sensor Data Detection, Control And Monitoring System |
| 49 | Sensor Based Solar System Using Electronic Circuits For Moisture Detection And Auto-Irrigation |
| 50 | To Enhance The Security For Home/ATM With The Help Of Sensor And Controllers |
| 51 | Fault Location In Radial Distribution System Based On Optimized Allocation Of Power Quality Meters |
| 52 | Disaster: Dedicated Intelligent Security Attacks On Sensor-Triggered Emergency Responses |
| 53 | Experimental Study On The Tolerance Ability Of Adjustable Speed Drives To Voltage Sags For Universal Motor Using IGBT |
| 54 | Determination of Time Intervals for Statically Secure Distribution Line Control |

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