



# PRASARTECH

PROJECTS AND SOLUTIONS

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## ELECTRICAL AND ELECTRONICS TITLES 2018-19

S.NO	PROJECT CODE	TITLES	YEAR
1	PTPEE01	Theft Identification for Three Phase Current	2018-19
2	PTPEE02	Wireless Home Energy Management System for Demand Response Enabled Residential Power Intensive Load	2018-19
3	PTPEE03	PC based Automatic Load Sharing of Transformer	2018-19
4	PTPEE04	Multi-Input Inverter for Grid Connected Hybrid PV/Wind Power System	2018-19
5	PTPEE05	RFID based Bus Locator	2018-19
6	PTPEE06	Train Accidents Prevention System using Embedded Technology	2018-19
7	PTPEE07	EB based Voice Communication	2018-19
8	PTPEE08	Electrical Power Generation from Foot Steps	2018-19
9	PTPEE09	Prepaid Energy Meter	2018-19
10	PTPEE10	RF based Temperature Monitoring	2018-19
11	PTPEE11	Wireless Monitoring and Communication in Underground Coal Mines	2018-19
12	PTPEE12	Intelligent Fault Detection and Protection of Transformer for Substation Automation	2018-19



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13	PTPEE13	Communication during Natural Disaster with the Help of Black box	2018-19
14	PTPEE14	Night Vision Wireless War Field Spying Robot	2018-19
15	PTPEE15	Password based Circuit Breaker	2018-19
16	PTPEE16	Public Garden Automation	2018-19
17	PTPEE17	Secure and Safety Vehicle Access Intelligent Control System for Preventing Theft and Controlling Environment Smoke Emission	2018-19
18	PTPEE18	Solar Powered Solid Waste Disposal in Urban Scenarios	2018-19
19	PTPEE19	Touch Screen Operated Industrial Oil Dispensing System	2018-19
20	PTPEE20	A Low-Cost Sensor Network for Real-Time Monitoring and Contamination Detection in Drinking Water Distribution Systems	2018-19
21	PTPEE21	Ac Power Transfer Wirelessly by HF	2018-19
22	PTPEE22	Fabrication of Firefighting Robot	2018-19
23	PTPEE23	Power Failure Indicator to EB Substation	2018-19
24	PTPEE24	Automated Agricultural Process	2018-19
25	PTPEE25	Green Wind Energy for Rural Electrification	2018-19
26	PTPEE26	Cell Phone Operated Robotic Vehicle	2018-19
27	PTPEE27	Unique Office Automation using Smart Power Management Technique	2018-19
28	PTPEE28	Automatic Area Transformer Fault Finder	2018-19





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29	PTPEE29	Solar Based Street Light that glows on Detecting Vehicle Movement using LDR	2018-19
30	PTPEE30	Power Generation using Waste Gas	2018-19
31	PTPEE31	Generation of Electricity by using Exhaust from Moving Vehicles	2018-19
32	PTPEE32	Scada based Waste Water Treatment	2018-19
33	PTPEE33	Solar Powered Led Street Light with Auto Intensity Control	2018-19
34	PTPEE34	Photovoltaic System Management for Smart Home Energy Management System	2018-19
35	PTPEE35	RFID based Speed Checker to Detect Rash Driving on Highways	2018-19
36	PTPEE36	Electricity Theft Detection with Smart Meter	2018-19
37	PTPEE37	RFID based System for School Children Transportation Safety Enhancement	2018-19
38	PTPEE38	Advanced Bidirectional Wireless Power Transfer	2018-19
39	PTPEE39	Drunken Driving Avoiding System	2018-19
40	PTPEE40	Home Automation by using Cell Phone	2018-19
41	PTPEE41	PLC based Colour Mix	2018-19
42	PTPEE42	Electrical Power Generation using Speed Breaker	2018-19
43	PTPEE43	Street Light that glows on Detecting Vehicle Movement	2018-19
44	PTPEE44	Digital Electricity Parameter Measurement	2018-19



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45	PTPEE45	AC-AC converter MPPT Optimal Power Point Tracking System for Solar	2018-19
46	PTPEE46	Monitoring Water Distribution Systems	2018-19
47	PTPEE47	Coin based Mobile Charger	2018-19
48	PTPEE48	Distance Calculation for Underground Cable Fault	2018-19
49	PTPEE49	Emergency Purpose Speed Breaker Control using RF	2018-19
50	PTPEE50	Password based EB Supply to Houses	2018-19
51	PTPEE51	Power Production from Industrial Exhaust Gas	2018-19
52	PTPEE52	Automising EB Substation	2018-19
53	PTPEE53	Automatic Load Sharing of Transformer with Protective Analysis	2018-19
54	PTPEE54	Cellular through Remote House Electrical appliances control with Multi-Channel Controlling System	2018-19
55	PTPEE55	DC Motor Speed Control with Programmable Sequence	2018-19
56	PTPEE56	Electrical Power Generation using Foot Steps	2018-19
57	PTPEE57	Multiple Transformers oil Temperature Monitoring with Automatic Circuit Breaker operation	2018-19
58	PTPEE58	PLC based Traffic Density Controller using Sensor	2018-19
59	PTPEE59	Power Saving Equipment for Multi-Application	2018-19
60	PTPEE60	Solar Power Automatic Fire Fighting Robot	2018-19
61	PTPEE61	Speed and Direction of DC Motor using GSM	2018-19





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62	PTPEE62	Advanced Automatic Fire Fighting Robot	2018-19
63	PTPEE63	Mobile Phone Controlled Street Light Monitoring and Control System	2018-19
64	PTPEE64	Digital DCM Detection and Mixed Conduction Mode Control For Boost PFC Converters	2018-19
65	PTPEE65	PLC based Photovoltaic System Management for Smart Home Energy Management System	2018-19
66	PTPEE66	Space Vector Pulse Width Amplitude Modulation For A Buck-Boost Voltage/Current Source Inverter	2018-19
67	PTPEE67	Underground Cable Fault Distance Locator	2018-19
68	PTPEE68	Power Generation through Speed Breaker using Sliding Roller Mechanism	2018-19
69	PTPEE69	Wireless Transformer Failure Monitoring and control System using PIC Controller	2018-19
70	PTPEE70	Automated Accident Identification, Detection via Vibration Sensors using GSM Technology	2018-19
71	PTPEE71	Foot Power Generation	2018-19
72	PTPEE72	Power Generation from Speed Breaker using Roller Mechanism	2018-19
73	PTPEE73	Speed Checker to Detect Rash Driving on Highways	2018-19
74	PTPEE74	Design of Battery-Super Capacitors Combination in Uninterruptible Power Supply	2018-19
75	PTPEE75	Transmission line Multiple Fault Detection and Indication to Electricity Board	2018-19



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76	PTPEE76	Fault Detection and Filter Design for Three Phase AC-DC Power Electronic System	2018-19
77	PTPEE77	Transformer Protection using Numerical Relay	2018-19
78	PTPEE78	Accident Alerts in Modern Traffic Signal Control System by using Camera Surveillance System	2018-19
79	PTPEE79	Automatic Room Light Intensity Based Window Blinds Control System	2018-19
80	PTPEE80	Batteries that Charges on Air	2018-19
81	PTPEE81	Controlling of Electrical Device Switch by using a Mobile Phone	2018-19
82	PTPEE82	DC Motor Speed and Direction Control over GSM Mobile/Modem	2018-19
83	PTPEE83	DC Motor Speed Controller using Closed Loop based on PWM	2018-19
84	PTPEE84	Density based Traffic Signal System using PIC Microcontroller	2018-19
85	PTPEE85	Fire Sensing and control	2018-19
86	PTPEE86	Laptop Theft Alarm	2018-19
87	PTPEE87	Over Speed Alarm Indicators of Electrical Motor with Digital RPM Indicator	2018-19
88	PTPEE88	Power Electronic Based Control Design of Fault Current Limiter	2018-19
89	PTPEE89	Power Theft Indicator	2018-19
90	PTPEE90	Self-Guided Vehicle Robot for Defense Applications	2018-19
91	PTPEE91	Finger Print based Attendance Management System	2018-19



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92	PTPEE92	SMS based Electricity Billing System	2018-19
93	PTPEE93	Temperature Sensor Driven Automatic DC Motor based Fan Speed Controlling System	2018-19
94	PTPEE94	Three Phase Induction Motor Speed Control using PWM Technique	2018-19
95	PTPEE95	GSM based Heartbeat and Temperature Monitoring System	2018-19
96	PTPEE96	Robotic Vacuum Cleaner	2018-19
97	PTPEE97	Solar Wireless Power Transfer using Inductive Coupling for Mobile Phone Charger	2018-19
98	PTPEE98	Automatic Room Light Intensity based Window Blinds Control System	2018-19
99	PTPEE99	Low Cost Wireless Sensor Network for in Field Operation Monitoring of AC Motor	2018-19
100	PTPEE100	PWM Techniques for Permanent Magnet Synchronous Motor Applied to Railway Traction Application	2018-19
101	PTPEE101	Real Time Implementation of Frequency Jammer	2018-19
102	PTPEE102	Speed Control of Induction Motor Drive using Universal Controller	2018-19
103	PTPEE103	Automatic Street Light Control System using LDR	2018-19
104	PTPEE104	Home Safety Gas Leakage Detection System	2018-19
105	PTPEE105	RFID and GSM based Bus Locator	2018-19
106	PTPEE106	Automated Irrigation System Using a Wireless Sensor Network and GPRS Module	2018-19



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107	PTPEE107	Secure Communication between Air Mode and Ground Mode In Satellite based Technology on Air Planes	2018-19
108	PTPEE108	Hybrid Energy Operative Antenna and Radiation Avoiding in Heterogeneous Cellular Networks	2018-19
109	PTPEE109	Intelligent Alcohol Detection for Car	2018-19
110	PTPEE110	RFID Voting Machines	2018-19
111	PTPEE111	Embedded Based Automatic Warehouse for Crop Processing	2018-19
112	PTPEE112	GSM based Wireless Communication underground Coal Mines	2018-19
113	PTPEE113	Health Monitoring and Emergency Alarming	2018-19
114	PTPEE114	Embedded based House Cleaning Robo with Water Wash	2018-19
115	PTPEE115	Embedded based Image Recognition for Visually Impaired Propose by Sound	2018-19
116	PTPEE116	Embedded based Night Vision Security Patrolling Robot with Sound Sensing	2018-19
117	PTPEE117	Embedded based Agri Poly Tunnel for Crop Cultivation	2018-19
118	PTPEE118	Embedded based Public Garden Automation	2018-19
119	PTPEE119	Integrated Safety Management for School Bus using RFID and GSM	2018-19
120	PTPEE120	Solar Powered Solid Waste Disposal in Organization	2018-19
121	PTPEE121	Power saving street light system using zigbee network	2018-19
122	PTPEE122	Safety Helmet for Bike Authentication and Alcohol Sensing for Riders	2018-19





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123	PTPEE123	Shock Proof Electrical Appliances Control System for Physically Challenged Person	2018-19
124	PTPEE124	Density Based Traffic Signal System	2018-19
125	PTPEE125	Power Generation from the Wind Energy Available during Movement of Train	2018-19
126	PTPEE126	Zigbee based Solar Powered Forest Fire Detection and Control System	2018-19
127	PTPEE127	Mobile Phone Controlled Dam Water Gates Controlling System with High-Level Protection	2018-19
128	PTPEE128	Low Cost Automatic Energy Efficient Emergency Lamp using Pulse Width Modulation	2018-19
129	PTPEE129	Human based Energy Saving System in Railway Platform	2018-19
130	PTPEE130	A Vehicle to Vehicle Communication Protocol for Co-Operative Collision Warning	2018-19
131	PTPEE131	Smart Patient Care System for ICU Patients with Monitoring and Auto Intimation to the Doctor Room	2018-19
132	PTPEE132	Embedded based Air Quality Analyzer	2018-19
133	PTPEE133	Android and Blue Tooth Operated Robot	2018-19
134	PTPEE134	RFID based Location System for Deforestation and Rescue Mission	2018-19
135	PTPEE135	Automatic Exhaust Fan Control Coupled to Gas Leak Detection	2018-19
136	PTPEE136	GSM based Vehicle Location Identifier	2018-19





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137	PTPEE137	Human Tracing Robot for Disaster	2018-19
138	PTPEE138	Embedded based Online Exam System with Dynamic Questions	2018-19
139	PTPEE139	RFID based Theft Identifier in Railway Stations	2018-19
140	PTPEE140	RFID based Shopping Trolley	2018-19
141	PTPEE141	Intelligent Energy Saving System in Libraries	2018-19
142	PTPEE142	GPS based Energy Meter Monitoring	2018-19
143	PTPEE143	Solar Powered Auto-Irrigation Control in Agriculture	2018-19
144	PTPEE144	Solar Powered Automatic Rain Operated Wiper	2018-19
145	PTPEE145	Voice Operated Wheel Chair	2018-19
146	PTPEE146	Peer-to-Peer Communication in Neuronal Nano-Network	2018-19
147	PTPEE147	A Smart Health Home System for Disable People	2018-19
148	PTPEE148	Border Crossing Based Alerting System and Intimation to Coast Guard	2018-19
149	PTPEE149	Electronic Passport Using RFID	2018-19
150	PTPEE150	Embedded Automobile Engine Locking System, using GSM Technology	2018-19
151	PTPEE152	Eye Blink Identification with Auto Braking System	2018-19
152	PTPEE152	Eye Movement Control of Wheel Chair for Physical Handicapped Person	2018-19
153	PTPEE153	High Sensitive LPG Sensor with Gas Leakage Alert Buzzer	2018-19



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154	PTPEE154	SMS based Generator Start up System	2018-19
155	PTPEE155	Voice Communication System based on Laser Led	2018-19
156	PTPEE156	Wireless Bus Identification for Blind People	2018-19
157	PTPEE157	Wireless Indication of LPG Gas Leakage	2018-19
158	PTPEE158	Zigbee-Assisted Power Saving Management for Mobile Devices	2018-19
159	PTPEE159	DTMF Mobile Phone Controlled Dam Water Gates Controlling System with High-Level Protection	2018-19
160	PTPEE160	Live Human Detecting Robot for Earthquake Rescue Operation	2018-19
161	PTPEE161	Robot Navigation System RFID and Sensor	2018-19
162	PTPEE162	Wireless Load Controller by GSM	2018-19
163	PTPEE163	Automatic Solar Agro Sprayer	2018-19

