



# PRASARTECH

## PROJECTS AND SOLUTIONS

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### ELECTRICAL COMMUNICATION TITLES 2018-19

S.NO	PROJECT CODE	TITLES	YEAR
1	PTPEC01	Secure Communication between Air Mode and Ground Mode in Satellite based Technology on Air Planes	2018-19
2	PTPEC02	Hybrid Energy Operative Antenna and Radiation Avoiding in Heterogeneous Cellular Networks	2018-19
3	PTPEC03	Intelligent Alcohol Detection for Car	2018-19
4	PTPEC04	RFID Voting Machines	2018-19
5	PTPEC05	Embedded Based Automatic Warehouse for Crop Processing	2018-19
6	PTPEC06	GSM based Wireless Communication Underground Coal Mines	2018-19
7	PTPEC07	Health Monitoring and Emergency Alarming	2018-19
8	PTPEC08	Embedded based House Cleaning Robo with Water Wash	2018-19
9	PTPEC09	Embedded based Image Recognition for Visually Impaired Propose by Sound	2018-19
10	PTPEC10	Embedded based Night Vision Security Patrolling Robot with Sound Sensing	2018-19
11	PTPEC11	Embedded based Agri Poly Tunnel for Crop Cultivation	2018-19
12	PTPEC12	Embedded based Public Garden Automation	2018-19
13	PTPEC13	Integrated Safety Management for School Bus using RFID and GSM	2018-19



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14	PTPEC14	Solar Powered Solid Waste Disposal in Organization	2018-19
15	PTPEC15	Power Saving Street Light System using Zigbee Network	2018-19
16	PTPEC16	Safety Helmet for Bike Authentication and Alcohol Sensing for Riders	2018-19
17	PTPEC17	Shock Proof Electrical Appliances Control System for Physically Challenged Person	2018-19
18	PTPEC18	Density based Traffic Signal System	2018-19
19	PTPEC19	Power Generation from the Wind Energy available during Movement of Train	2018-19
20	PTPEC20	Zigbee based Solar Powered Forest Fire Detection and Control System	2018-19
21	PTPEC21	Mobile Phone Controlled Dam Water Gates Controlling System with High-Level Protection	2018-19
22	PTPEC22	Low Cost Automatic Energy Efficient Emergency Lamp using Pulse Width Modulation	2018-19
23	PTPEC23	Human Based Energy Saving System in Railway Platform	2018-19
24	PTPEC24	Self-guided Vehicle Robot for Defense Applications	2018-19
25	PTPEC25	Mobile Phone Controlled Street Light Monitoring and Control System	2018-19
26	PTPEC26	A Vehicle to Vehicle Communication Protocol for Co-operative Collision Warning	2018-19
27	PTPEC27	A Low-Cost Sensor Network for Real-Time Monitoring and Contamination Detection in Drinking Water Distribution Systems	2018-19



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28	PTPEC28	Smart Patient Care System for ICU Patients with Monitoring and Auto Intimation to the Doctor Room	2018-19
29	PTPEC29	Embedded based Air Quality Analyzer	2018-19
30	PTPEC30	Android and Bluetooth Operated Robot	2018-19
31	PTPEC31	RFID based Location System for Deforestation and Rescue Mission	2018-19
32	PTPEC32	Automatic Exhaust Fan Control Coupled to Gas Leak Detection	2018-19
33	PTPEC33	Green Wind Energy for Rural Electrification	2018-19
34	PTPEC34	GSM based Vehicle Location Identifier	2018-19
35	PTPEC35	Human Tracing Robot for Disaster	2018-19
36	PTPEC36	Embedded based Online Exam System with Dynamic Questions	2018-19
37	PTPEC37	RFID based Theft Identifier in Railway Stations	2018-19
38	PTPEC38	RFID based Shopping Trolley	2018-19
39	PTPEC39	Intelligent Energy Saving System in Libraries	2018-19
40	PTPEC40	GPS based Energy Meter Monitoring	2018-19
41	PTPEC41	Solar Powered Auto-Irrigation Control in Agriculture	2018-19
42	PTPEC42	Solar Powered Automatic Rain Operated Wiper	2018-19
43	PTPEC43	Voice Operated Wheel Chair	2018-19
44	PTPEC44	Peer-to-Peer Communication in Neuronal Nano-Network	2018-19
45	PTPEC45	A Smart Health Home System for Disable People	2018-19



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46	PTPEC46	Border Crossing Based Alerting System and Intimation to Coast Guard	2018-19
47	PTPEC47	Electronic Passport using RFID	2018-19
48	PTPEC48	Embedded Automobile Engine Locking System, using GSM Technology	2018-19
49	PTPEC49	Eye Movement Control of Wheel Chair for Physical Handicapped Person	2018-19
50	PTPEC50	Eye Blink Identification with Auto Braking System	2018-19
51	PTPEC51	High Sensitive LPG sensor with Gas Leakage Alert Buzzer	2018-19
52	PTPEC52	SMS based Generator Start Up System	2018-19
53	PTPEC53	Voice Communication System based on Laser Led	2018-19
54	PTPEC54	Wireless Bus Identification for Blind People	2018-19
55	PTPEC55	Wireless Indication of LPG Gas Leakage	2018-19
56	PTPEC56	Zigbee Assisted Power Saving Management for Mobile Devices	2018-19
57	PTPEC57	DTMF Mobile Phone Controlled Dam Water Gates Controlling System with High-Level Protection	2018-19
58	PTPEC58	Four Quadrant Chopper Drive for DC Motor Speed Control	2018-19
59	PTPEC59	Intelligent Fault Detection and Protection of Transformer for Substation Automation	2018-19
60	PTPEC60	Low Cost Wireless Sensor Network for in Field Operation Monitoring Of AC Motor	2018-19



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61	PTPEC61	PWM Techniques for Permanent Magnet Synchronous Motor Applied to Railway Traction Application	2018-19
62	PTPEC62	Real Time Implementation of Frequency Jammer	2018-19
63	PTPEC63	Speed Control of Induction Motor Drive using Universal Controller	2018-19
64	PTPEC64	Live Human Detecting Robot for Earthquake Rescue Operation	2018-19
65	PTPEC65	RFID and GSM based Bus Locator	2018-19
66	PTPEC66	Robot Navigation System RFID and Sensor	2018-19
67	PTPEC67	Wireless Load Controller by GSM	2018-19
68	PTPEC68	Automatic Solar Agro Sprayer	2018-19
69	PTPEC69	Automated Irrigation System Using a Wireless Sensor Network and GPRS Module	2018-19
70	PTPEC70	Finger Print based Attendance Management System	2018-19
71	PTPEC71	Theft Identification for Three Phase Current	2018-19
72	PTPEC72	Wireless Home Energy Management System for Demand Response Enabled Residential Power Intensive Load	2018-19
73	PTPEC73	PC based Automatic Load Sharing of Transformer	2018-19
74	PTPEC74	Multi-input Inverter for Grid Connected Hybrid PV/ Wind Power System	2018-19
75	PTPEC75	RFID based Bus Locator	2018-19
76	PTPEC76	Train Accidents Prevention System using Embedded Technology	2018-19



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77	PTPEC77	EB based Voice Communication	2018-19
78	PTPEC78	Electrical Power Generation from Foot Steps	2018-19
79	PTPEC79	Prepaid Energy Meter	2018-19
80	PTPEC80	RF based Temperature Monitoring	2018-19
81	PTPEC81	Wireless Monitoring and Communication in Underground Coal Mines	2018-19
82	PTPEC82	Communication during Natural Disaster with the Help of Black Box	2018-19
83	PTPEC83	Night Vision Wireless War Field Spying Robot	2018-19
84	PTPEC84	Password based Circuit Breaker	2018-19
85	PTPEC85	Public Garden Automation	2018-19
86	PTPEC86	Secure and Safety Vehicle Access Intelligent Control System for Preventing Theft and Controlling Environment Smoke Emission	2018-19
87	PTPEC87	Solar Powered Solid Waste Disposal in Urban Scenarios	2018-19
88	PTPEC88	Touch Screen Operated Industrial Oil Dispensing System	2018-19
89	PTPEC89	AC Power Transfer Wirelessly by HF	2018-19
90	PTPEC90	Fabrication of Firefighting Robot	2018-19
91	PTPEC91	Power Failure Indicator to EB Substation	2018-19
92	PTPEC92	Automated Agricultural Process	2018-19



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93	PTPEC93	Cell Phone Operated Robotic Vehicle	2018-19
94	PTPEC94	Unique office Automation using Smart Power Management Technique	2018-19
95	PTPEC95	Automatic Area Transformer Fault Finder	2018-19
96	PTPEC96	Solar based Street Light that Glows on Deflecting Vehicle Movement using LDR	2018-19
97	PTPEC97	Power Generation using Waste Gas	2018-19
98	PTPEC98	Generation of Electricity by using Exhaust from Moving Vehicles	2018-19
99	PTPEC99	Scada based Waste Water Treatment	2018-19
100	PTPEC100	Solar Powered Led Street Light with Auto Intensity Control	2018-19
101	PTPEC101	Photovoltaic System Management for Smart Home Energy Management System	2018-19
102	PTPEC102	RFID based Speed Checker to Detect Rash Driving on Highways	2018-19
103	PTPEC103	Electricity Theft Detection with Smart Meter	2018-19
104	PTPEC104	RFID based System for School Children Transportation Safety Enhancement	2018-19
105	PTPEC105	Advanced Bidirectional Wireless Power Transfer	2018-19
106	PTPEC106	Drunken Driving Avoiding System	2018-19
107	PTPEC107	Home Automation by using Cell Phone	2018-19
108	PTPEC108	PLC based Color Mix	2018-19



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109	PTPEC109	Electrical Power Generation using Speed Breaker	2018-19
110	PTPEC110	Street Light that Glows on Detecting Vehicle Movement	2018-19
111	PTPEC111	Digital Electricity Parameter Measurement	2018-19
112	PTPEC112	AC-AC Converter MPPT Optimal Power Point Tracking System for Solar	2018-19
113	PTPEC113	Monitoring Water Distribution Systems	2018-19
114	PTPEC114	Coin Based Mobile Charger	2018-19
115	PTPEC115	Distance Calculation for Underground Cable Fault	2018-19
116	PTPEC116	Emergency Purpose Speed Breaker Control using RF	2018-19
117	PTPEC117	Password Based EB Supply to Houses	2018-19
118	PTPEC118	Power Production from Industrial Exhaust Gas	2018-19
119	PTPEC119	Automising EB Substation	2018-19
120	PTPEC120	Automatic Load Sharing of Transformer with Protective Analysis	2018-19
121	PTPEC121	Cellular Through Remote House Electrical Appliances Control with Multi-Channel Controlling System	2018-19
122	PTPEC122	DC Motor Speed Control with Programmable Sequence	2018-19
123	PTPEC123	Electrical Power Generation using Foot Steps	2018-19
124	PTPEC124	Multiple Transformers Oil Temperature Monitoring with Automatic Circuit Breaker Operation	2018-19





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125	PTPEC125	PLC based Traffic Density Controller using Sensor	2018-19
126	PTPEC126	Power Saving Equipment for Multi-Application	2018-19
127	PTPEC127	Solar Power Automatic Fire Fighting Robot	2018-19
128	PTPEC128	Speed and Direction of DC Motor using GSM	2018-19
129	PTPEC129	Advanced Automatic Fire Fighting Robot	2018-19
130	PTPEC130	Digital DCM Detection and Mixed Conduction Mode Control for Boost PFC Converters	2018-19
131	PTPEC131	PLC based Photovoltaic System Management for Smart Home Energy Management System	2018-19
132	PTPEC132	Space Vector Pulse width Amplitude Modulation for a Buck-Boost Voltage/Current Source Inverter	2018-19
133	PTPEC133	Underground Cable Fault Distance Locator	2018-19
134	PTPEC134	Power Generation through Speed Breaker using Sliding Roller Mechanism	2018-19
135	PTPEC135	Wireless Transformer Failure Monitoring and Control System using PIC Controller	2018-19
136	PTPEC136	Automated Accident Identification, Detection Via Vibration Sensors using GSM Technology	2018-19
137	PTPEC137	Foot Power Generation	2018-19
138	PTPEC138	Power Generation From Speed Breaker using Roller Mechanism	2018-19
139	PTPEC139	Speed Checker to Detect Rash Driving on Highways	2018-19



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140	PTPEC140	Design of Battery-Super Capacitors Combination in Uninterruptible Power Supply	2018-19
141	PTPEC141	Transmission Line Multiple Fault Detection and Indication to Electricity Board	2018-19
142	PTPEC142	Fault Detection and Filter Design for Three Phase AC-DC Power Electronic System	2018-19
143	PTPEC143	Transformer Protection using Numerical Relay	2018-19
144	PTPEC144	Accident Alerts in Modern Traffic Signal Control System by using Camera Surveillance System	2018-19
145	PTPEC145	Automatic Room Light Intensity Based Window Blinds Control System	2018-19
146	PTPEC146	Batteries That Charges on Air	2018-19
147	PTPEC147	Controlling of Electrical Device Switch by Using A Mobile Phone	2018-19
148	PTPEC148	DC Motor Speed And Direction Control Over GSM Mobile/Modem	2018-19
149	PTPEC149	DC Motor Speed Controller Using Closed Loop Based on PWM	2018-19
150	PTPEC150	Density Based Traffic Signal System Using PIC Microcontroller	2018-19
151	PTPEC151	Fire Sensing and Control	2018-19
152	PTPEC152	Laptop Theft Alarm	2018-19
153	PTPEC153	Over Speed Alarm Indicators of Electrical Motor with Digital RPM Indicator	2018-19



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154	PTPEC154	Power Electronic Based Control Design of Fault Current Limiter	2018-19
155	PTPEC155	Power Theft Indicator	2018-19
156	PTPEC156	Home Safety Gas Leakage Detection System	2018-19
157	PTPEC157	SMS based Electricity Billing System	2018-19
158	PTPEC158	Temperature Sensor Driven Automatic DC Motor Based Fan Speed Controlling System	2018-19
159	PTPEC159	Three Phase Induction Motor Speed Control using PWM Technique	2018-19
160	PTPEC160	GSM based Heartbeat and Temperature Monitoring System	2018-19
161	PTPEC161	Robotic Vacuum Cleaner	2018-19
162	PTPEC162	Solar Wireless Power Transfer Using Inductive Coupling for Mobile Phone Charger	2018-19
163	PTPEC163	Automatic Street Light Control System using LDR	2018-19