



PRASARTECH

PROJECTS AND SOLUTIONS

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ELECTRONICS AND COMMUNICATION TITLES 2019

S.NO	PROJECT CODE	TITLES	YEAR
1	PTPEC01	Photovoltaic System Management for Smart Home Energy Management System	2019
2	PTPEC02	RFID based Speed Checker to Detect Rash Driving on Highways	2019
3	PTPEC03	Electricity Theft Detection with Smart Meter	2019
4	PTPEC04	RFID based System for School Children Transportation Safety Enhancement	2019
5	PTPEC05	Advanced Bidirectional Wireless Power Transfer	2019
6	PTPEC06	Drunken Driving Avoiding System	2019
7	PTPEC07	Home Automation by using Cell Phone	2019
8	PTPEC08	PLC based Color Mix	2019
9	PTPEC09	Electrical Power Generation using Speed Breaker	2019
10	PTPEC10	Street Light that Glows on Detecting Vehicle Movement	2019
11	PTPEC11	Secure Communication between Air Mode and Ground Mode in Satellite based Technology on Air Planes	2019
12	PTPEC12	RFID Voting Machines	2019
13	PTPEC13	Health Monitoring and Emergency Alarming	2019



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14	PTPEC14	Embedded based Night Vision Security Patrolling Robot with Sound Sensing	2019
15	PTPEC15	Integrated Safety Management for School Bus using RFID and GSM	2019
16	PTPEC16	Safety Helmet for Bike Authentication and Alcohol Sensing for Riders	2019
17	PTPEC17	Power Generation from the Wind Energy available during Movement of Train	2019
18	PTPEC18	Low Cost Automatic Energy Efficient Emergency Lamp using Pulse Width Modulation	2019
19	PTPEC19	Mobile Phone Controlled Street Light Monitoring and Control System	2019
20	PTPEC20	Smart Patient Care System for ICU Patients with Monitoring and Auto Intimation to the Doctor Room	2019
21	PTPEC21	RFID based Location System for Deforestation and Rescue Mission	2019
22	PTPEC22	GSM based Vehicle Location Identifier	2019
23	PTPEC23	RFID based Theft Identifier in Railway Stations	2019
24	PTPEC24	GPS based Energy Meter Monitoring	2019
25	PTPEC25	Voice Operated Wheel Chair	2019
26	PTPEC26	Border Crossing Based Alerting System and Intimation to Coast Guard	2019
27	PTPEC27	Eye Movement Control of Wheel Chair for Physical Handicapped Person	2019



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28	PTPEC28	SMS based Generator Start Up System	2019
29	PTPEC29	Wireless Indication of LPG Gas Leakage	2019
30	PTPEC30	Four Quadrant Chopper Drive for DC Motor Speed Control	2019
31	PTPEC31	PWM Techniques for Permanent Magnet Synchronous Motor Applied to Railway Traction Application	2019
32	PTPEC32	Live Human Detecting Robot for Earthquake Rescue Operation	2019
33	PTPEC33	Wireless Load Controller by GSM	2019
34	PTPEC34	Finger Print based Attendance Management System	2019
35	PTPEC35	PC based Automatic Load Sharing of Transformer	2019
36	PTPEC36	Train Accidents Prevention System using Embedded Technology	2019
37	PTPEC37	Prepaid Energy Meter	2019
38	PTPEC38	Communication during Natural Disaster with the Help of Black Box	2019
39	PTPEC39	Public Garden Automation	2019
40	PTPEC40	Touch Screen Operated Industrial Oil Dispensing System	2019
41	PTPEC41	Power Failure Indicator to EB Substation	2019
42	PTPEC42	Unique office Automation using Smart Power Management Technique	2019
43	PTPEC43	Power Generation using Waste Gas	2019
44	PTPEC44	Solar Powered Led Street Light with Auto Intensity Control	2019



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45	PTPEC45	AC-AC Converter MPPT Optimal Power Point Tracking System for Solar	2019
46	PTPEC46	Distance Calculation for Underground Cable Fault	2019
47	PTPEC47	Power Production from Industrial Exhaust Gas	2019
48	PTPEC48	Cellular Through Remote House Electrical Appliances Control with Multi-Channel Controlling System	2019
49	PTPEC49	Multiple Transformers Oil Temperature Monitoring with Automatic Circuit Breaker Operation	2019
50	PTPEC50	Solar Power Automatic Fire Fighting Robot	2019
51	PTPEC51	Digital DCM Detection and Mixed Conduction Mode Control for Boost PFC Converters	2019
52	PTPEC52	Underground Cable Fault Distance Locator	2019
53	PTPEC53	Automated Accident Identification, Detection Via Vibration Sensors using GSM Technology	2019
54	PTPEC54	Speed Checker to Detect Rash Driving on Highways	2019
55	PTPEC55	Fault Detection and Filter Design for Three Phase AC-DC Power Electronic System	2019
56	PTPEC56	Automatic Room Light Intensity Based Window Blinds Control System	2019
57	PTPEC57	DC Motor Speed And Direction Control Over GSM Mobile/Modem	2019
58	PTPEC58	Fire Sensing and Control	2019



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59	PTPEC59	Power Electronic Based Control Design of Fault Current Limiter	2019
60	PTPEC60	SMS based Electricity Billing System	2019
61	PTPEC61	GSM based Heartbeat and Temperature Monitoring System	2019
62	PTPEC62	Automatic Street Light Control System using LDR	2019
63	PTPEC63	Hybrid Energy Operative Antenna and Radiation Avoiding in Heterogeneous Cellular Networks	2019
64	PTPEC64	Embedded Based Automatic Warehouse for Crop Processing	2019
65	PTPEC65	Embedded based House Cleaning Robo with Water Wash	2019
66	PTPEC66	Embedded based Agri Poly Tunnel for Crop Cultivation	2019
67	PTPEC67	Solar Powered Solid Waste Disposal in Organization	2019
68	PTPEC68	Shock Proof Electrical Appliances Control System for Physically Challenged Person	2019
69	PTPEC69	Zigbee based Solar Powered Forest Fire Detection and Control System	2019
70	PTPEC70	Human Based Energy Saving System in Railway Platform	2019
71	PTPEC71	A Vehicle to Vehicle Communication Protocol for Co-operative Collision Warning	2019
72	PTPEC72	Embedded based Air Quality Analyzer	2019
73	PTPEC73	Automatic Exhaust Fan Control Coupled to Gas Leak Detection	2019
74	PTPEC74	Human Tracing Robot for Disaster	2019



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75	PTPEC75	RFID based Shopping Trolley	2019
76	PTPEC76	Solar Powered Auto-Irrigation Control in Agriculture	2019
77	PTPEC77	Peer-to-Peer Communication in Neuronal Nano-Network	2019
78	PTPEC78	Electronic Passport using RFID	2019
79	PTPEC79	Eye Blink Identification with Auto Braking System	2019
80	PTPEC80	Voice Communication System based on Laser Led	2019
81	PTPEC81	Zigbee Assisted Power Saving Management for Mobile Devices	2019
82	PTPEC82	Intelligent Fault Detection and Protection of Transformer for Substation Automation	2019
83	PTPEC83	Real Time Implementation of Frequency Jammer	2019
84	PTPEC84	RFID and GSM based Bus Locator	2019
85	PTPEC85	Automatic Solar Agro Sprayer	2019
86	PTPEC86	Theft Identification for Three Phase Current	2019
87	PTPEC87	Multi-input Inverter for Grid Connected Hybrid PV/ Wind Power System	2019
88	PTPEC88	EB based Voice Communication	2019
89	PTPEC89	RF based Temperature Monitoring	2019
90	PTPEC90	Night Vision Wireless War Field Spying Robot	2019



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91	PTPEC91	Secure and Safety Vehicle Access Intelligent Control System for Preventing Theft and Controlling Environment Smoke Emission	2019
92	PTPEC92	AC Power Transfer Wirelessly by HF	2019
93	PTPEC93	Automated Agricultural Process	2019
94	PTPEC94	Automatic Area Transformer Fault Finder	2019
95	PTPEC95	Generation of Electricity by using Exhaust from Moving Vehicles	2019
96	PTPEC96	Monitoring Water Distribution Systems	2019
97	PTPEC97	Emergency Purpose Speed Breaker Control using RF	2019
98	PTPEC98	Automising EB Substation	2019
99	PTPEC99	DC Motor Speed Control with Programmable Sequence	2019
100	PTPEC100	PLC based Traffic Density Controller using Sensor	2019
101	PTPEC101	Speed and Direction of dC Motor using GSM	2019
102	PTPEC102	PLC based Photovoltaic System Management for Smart Home Energy Management System	2019
103	PTPEC103	Power Generation through Speed Breaker using Sliding Roller Mechanism	2019
104	PTPEC104	Foot Power Generation	2019
105	PTPEC105	Design of Battery-Super Capacitors Combination in Uninterruptible Power Supply	2019
106	PTPEC106	Transformer Protection using Numerical Relay	2019



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107	PTPEC107	Batteries That Charges on Air	2019
108	PTPEC108	DC Motor Speed Controller Using Closed Loop Based on PWM	2019
109	PTPEC109	Laptop Theft Alarm	2019
110	PTPEC110	Power Theft Indicator	2019
111	PTPEC111	Temperature Sensor Driven Automatic DC Motor Based Fan Speed Controlling System	2019
112	PTPEC112	Robotic Vacuum Cleaner	2019
113	PTPEC113	Home Safety Gas Leakage Detection System	2019
114	PTPEC114	Intelligent Alcohol Detection for Car	2019
115	PTPEC115	GSM based Wireless Communication Underground Coal Mines	2019
116	PTPEC116	Embedded based Image Recognition for Visually Impaired Propose by Sound	2019
117	PTPEC117	Embedded based Public Garden Automation	2019
118	PTPEC118	Power Saving Street Light System using Zigbee Network	2019
119	PTPEC119	Density based Traffic Signal System	2019
120	PTPEC120	Mobile Phone Controlled Dam Water Gates Controlling System with High-Level Protection	2019
121	PTPEC121	Self-guided Vehicle Robot for Defense Applications	2019
122	PTPEC122	A Low-Cost Sensor Network for Real-Time Monitoring and Contamination Detection in Drinking Water Distribution Systems	2019



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123	PTPEC123	Android and Bluetooth Operated Robot	2019
124	PTPEC124	Green Wind Energy for Rural Electrification	2019
125	PTPEC125	Embedded based Online Exam System with Dynamic Questions	2019
126	PTPEC126	Intelligent Energy Saving System in Libraries	2019
127	PTPEC127	Solar Powered Automatic Rain Operated Wiper	2019
128	PTPEC128	A Smart Health Home System for Disable People	2019
129	PTPEC129	Embedded Automobile Engine Locking System, using GSM Technology	2019
130	PTPEC130	High Sensitive LPG sensor with Gas Leakage Alert Buzzer	2019
131	PTPEC131	Wireless Bus Identification for Blind People	2019
132	PTPEC132	DTMF Mobile Phone Controlled Dam Water Gates Controlling System with High-Level Protection	2019
133	PTPEC133	Low Cost Wireless Sensor Network for in Field Operation Monitoring Of AC Motor	2019
134	PTPEC134	Speed Control of Induction Motor Drive using Universal Controller	2019
135	PTPEC135	Robot Navigation System RFID and Sensor	2019
136	PTPEC136	Automated Irrigation System Using a Wireless Sensor Network and GPRS Module	2019
137	PTPEC137	Wireless Home Energy Management System for Demand Response Enabled Residential Power Intensive Load	2019
138	PTPEC138	RFID based Bus Locator	2019



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139	PTPEC139	Electrical Power Generation from Foot Steps	2019
140	PTPEC140	Wireless Monitoring and Communication in Underground Coal Mines	2019
141	PTPEC141	Password based Circuit Breaker	2019
142	PTPEC142	Solar Powered Solid Waste Disposal in Urban Scenarios	2019
143	PTPEC143	Fabrication of Firefighting Robot	2019
144	PTPEC144	Cell Phone Operated Robotic Vehicle	2019
145	PTPEC145	Solar based Street Light that Glows on Deflecting Vehicle Movement using LDR	2019
146	PTPEC146	Scada based Waste Water Treatment	2019
147	PTPEC147	Digital Electricity Parameter Measurement	2019
148	PTPEC148	Coin Based Mobile Charger	2019
149	PTPEC149	Password Based EB Supply to Houses	2019
150	PTPEC150	Automatic Load Sharing of Transformer with Protective Analysis	2019
151	PTPEC151	Electrical Power Generation using Foot Steps	2019
152	PTPEC152	Power Saving Equipment for Multi-Application	2019
153	PTPEC153	Advanced Automatic Fire Fighting Robot	2019
154	PTPEC154	Space Vector Pulse width Amplitude Modulation for a Buck-Boost Voltage/Current Source Inverter	2019



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155	PTPEC155	Wireless Transformer Failure Monitoring and Control System using PIC Controller	2019
156	PTPEC156	Power Generation From Speed Breaker using Roller Mechanism	2019
157	PTPEC157	Transmission Line Multiple Fault Detection and Indication to Electricity Board	2019
158	PTPEC158	Accident Alerts in Modern Traffic Signal Control System by using Camera Surveillance System	2019
159	PTPEC159	Controlling of Electrical Device Switch by Using A Mobile Phone	2019
160	PTPEC160	Density Based Traffic Signal System Using PIC Microcontroller	2019
161	PTPEC161	Over Speed Alarm Indicators of Electrical Motor with Digital RPM Indicator	2019
162	PTPEC162	Self-Powered Doorbell Watcher	2019
163	PTPEC163	Three Phase Induction Motor Speed Control using PWM Technique	2019
164	PTPEC164	Solar Wireless Power Transfer Using Inductive Coupling for Mobile Phone Charger	2019