



TeChNoLoGy-UpDaTeS

DIPLOMA PROJECT TITLES

Manoj S,

Developer,

srinimnoj3@technology-updates.com

www.TeChNoLoGy-UpDaTeS.com

+91 8270723398, +91 9159280400

For Abstract, Base Papers and More Titles visit our website.

www.TeChNoLoGy-UpDaTeS.com

S.NO	Title
1	Controller Based Solar Dc Power System With Super-Capacitor And Sepic Convertor
2	Single Phase Speed Control Of Induction Motor Using Plc
3	Speed Control Of Permanent Magnetsynchronous Motor Using Voltage Source Inverter
4	Microcontroller Based Digital Card Dash Board With Data Recording Facility
5	Biomedical Data Transmission System With Central Monitoring And Controlling System
6	Offline Monitoring Of Advertisement Wordings Using Gsm And Gps With Laser Security System
7	Health And Position Of Soldier Tracking Systemalcohol Detecting Alarm
8	Automatic Vehicle Over Speed Controlling System For School Zone And Horn Controller For Hospital Zone
9	Attendance Management With Face Recognition System
10	Remote Power On/Off Control & Current Measurmt For Home Electric Outlets Based On A Low Power Embedded Board & Zigbee Communication
11	Ivrs Based Automatic Teller Machine Transaction System With The Help Of Rfid Technology For Blind People With Biometric Authentication
12	Robotic Arm Based Vehicle With Four Wheel Drive For Specific Operation With Variable Speed Control, Controlling The Robotic Arm And The Vehicle Through Zigbee.
13	Single-Phase Multilevel Inverter Spwm With Personal Computer Interface And Olm
14	Involuntary,Biometric Door Access Control And Attendance Maintenance System
15	Design Of Vegetable Greenhouse Monitoring System Based On Zigbee And Gprs
16	Appointment Scheduling In Health Care: Challenges And Opportunities For Hospital Appointment System
17	Development Of Secure Rfid Authentication System For Electronic Inter-Campus Transportation Billing
18	Multi-Power Utilizer Maximum-Demand Indicator And Power-Factor Indicator

19	Sensorless Speed Control Of Active Current Induction Motor Using Microcontroller
20	Motion Analysis In Vocalized Surprise Expressions And Motion Generation In Android Robots
21	Defense Against Impersonating Attackers:An Efficient Rfid Mutual Authentication Protocol Based On Standard
22	Coexistence Of Zigbee-Based Wban And Wifi For Health Telemonitoring Systems
23	Development Of Data Acquisition Robot For Toxic Enviromental Monitoring Using Wsn – Kroto Finder
24	Lower Limb Powered Exoskeleton For Paraplegic People Assisting In Their Walking Augmentation Using Flex Sensor And Accelerometer
25	Industrial Hazardous Gas Leakage Detection And Information System Using Arduino
26	A Hybrid Vanet-Wsn System For Driving Safety Using Efficient Communication Protocol
27	A Proposal Of User Friendly Alive Human Detection Robot To Tackle Crisis Situation
28	A Low Cost Web Based Remote Monitoring System With Built-In Security Feature For Vulnerable Environments
29	Dual-Bridge Llc Resonant Converter With Fixedfrequency Pwm Control For Wide Input Applications
30	Maximum Boost Control Of Diode-Assisted Buck–Boost Voltage-Source Inverter With Minimum Switching Frequency
31	Android Based Remotely Programmable Sequential Load Operation
32	Developing And Modeling Of Voice Control System For Prosthetic Robot Arm In Medical Systems
33	Android Application Controlled Remote Robot Operation
34	Remote Operated Domestic Appliances Control By Android Application
35	A Highly Reliable And High-Efficiency Quasi Four-Switch Single-Stage Single-Phase Buck-Boost Inverter
36	Vehicle Theft Location Intimation By Gps/Gsm To The Owner
37	Pick-N-Place Robotic Arm And Movement Controlled By Android Wirelessly
38	Child Rescue System Against Open Bore-Wells At Agricultural Fields In India
39	Remote Ac Power Control By Android Application With <u>Lcd Display</u>
40	Cell Phone Based Dtmf Controlled Garage Door Opening System

41	Implementation Of The Drowsiness And Gaseous Fuel Leak Detector And Alerting System
42	Flash Flood Intimation Over Gsm With User Programmable Number Features To The Station Master
43	Tampered Energy Meter Monitoring Covered To Control Room By Gsm With User Programmable Number Features
44	Theft Intimation Of The Vehicle Over <u>Gsm By Sms</u> With User Programmable Number To Owner Who Can Stop The Engine Remotely
45	High Protection Voice Identification Based Bank Locker Security System With Live Image Authentication
46	Automatic Wireless Health Monitoring System In Hospitals For Patients
47	Automatic Surveillance Camera Panning System From Pc
48	Design Of Pid-Fuzzy For Speed Control Of Brushless Dc Motor In Dynamic Electric Vehicle To Improve Steady-State Performance
49	Density Based Traffic Signal With Remote Override In Emergency
50	Metal Detector Robotic Vehicle Operated By Android Application
51	Secret Code Enabled Secure Communication Using Rf Technology
52	Speed Synchronization Of Multiple Motors In Industries
53	Rf Controlled Robotic Vehicle With Laser Beam Arrangement
54	Rfid Based Device Control And Authentication Using Pic Microcontroller
55	Smart Walking Stick For Visually Impaired People Using Ultrasonic Sensors And Arduino
56	Anti Collision System In Railway & Location Monitoring Using Gsm & Gps
57	Buck–Boost Dual-Leg-Integrated Step-Up Inverter With Low And Single Variable Control For Single-Phase High-Frequency Ac Microgrids
58	Voice Controlled Robotic Vehicle With Long Distance Speech Recognition
59	Forest Fire Monitoring System Based On Gsm And Zigbee Wireless Network
60	Comparison Of Dc/Dc Converters In Dcm For Reducing Low-Frequency Input Current Ripple Of Single-Phase Two-Stage Inverters
61	Remote Measurement And Control System For Green House Based On Gsm-Sms
62	Transformer-Less Dynamic Voltage Restorer Based On Buck-Boost Converter

63	Interleaved Resonant Boost Inverter Featuring Sic Module For High-Performance Induction Heating
64	Design And Construction Of Under And Over Voltage Power Protection System
65	3d-Space Wireless Power Transfer For Device Charging And Energy Management
66	Automatic Load Sharing And Control System Using A Microcontroller
67	Talking Energy Meter, Alerts The User With Voice Messages In Case Of Over Power Utilization
68	Implementation Of A Web Of Things Based Smart Grid To Remotely Monitor And Control Renewable Energy Sources
69	Automatic Dc Motor Speed Control With Automatic Feedback Via Sms Using Pwm Technology
70	Electrical Substation Scrutinizing And Controlling Device From Remote Area
71	Design And Development Of Pre-Paid Electricity Billing Using Arduino
72	Rf Enabled Energy Meter Digitization & Automation And Automatic Utility Transfer With Two Way Communication
73	Automatic Transmission Line Multiple Faults Detection And Indication To Electricity Board
74	Design And Implementation Of An Advanced Security System – Invisible Eye (Power Saving System)
75	Overview On Telephone Network - The Traditional Telecommunication Network
76	Designing Of Tactile Keypad With Magnetic Door Lock System For Industrial Security
77	Voice Integrated Speed And Direction Control For Dc Motor
78	Enhancing Barcode Scanner Designs Through System-Level Integration
79	Design And Implementation Single Phase Multilevel Inverter Spwm With Pc Interface And Olm
80	A Decentralized Dynamic Power Sharing Strategy For Hybrid Energy Storage System In Autonomous Dc Microgrid
81	A High Speed Radar Data Acquisition And Processing System
82	Quasi-Z-Source Indirect Matrix Converter Fed Induction Motor Drive For Flow Control Of Dye In Paper Mill
83	Energy Economic Analysis Of Pv Based Charging Station At Workplace Parking Garage

84	Advanced Logistical Systems For The Maintenance Of Overhead Distribution Lines Through Dcc With The Use Of Laser Monitoring
85	Analysis And Design Of Impulse-Commutated Zero-Current- Switching Single-Inductor Current-Fed Three-Phase Push– Pull Converter
86	Electronic Soft Start Of 3 Phase Induction Motor (Using Back To Back Scrs)
87	Generation Of Hvdc From Voltage Multiplier Using Marx Generator
88	Study On A High Voltage Gain Sepic-Based Dc-Dc Converter With Continuous Input Current For Sustainable Energy Applications
89	Design And Construction Of Wireless Power Transfer System Using Magnetic Resonant Coupling
90	Design And Implementation Of A Solar Charge Controller With Variable Output
91	Four Quadrant Dc Motor Control Without Microcontroller
92	Universal Electrical Power Generation And Multipurpose Optimization-Solar, Wind And Rain
93	An Improved Current-Limiting Strategy For Shunt Active Power Filter (Sapf) Using Particle Swarm Optimization (Pso)
94	Dual Axis Solar Tracking System Using Ldr To Control The Single Phase Motor
95	Light Intensity Rtc Based Power Conservation In Irrigation System
96	Speed Control Of Dc Motor Using Fq / Tq Chopper Drive
97	Design And Fabrication Of Windmill Operated Water Pump
98	Three Phase Sequence Checker For Three Phase Supply With Relay Circuit
99	Auto Selection Of Any Available Phase In 3 Phase Supply System
100	High Voltage Dc Up To 2kv From Ac By Using Diode And Capacitors In Multiplier Voltage Circuit
101	Protection Method Against Induction Motor Single-Phasing Fault
102	Three-Phase Fault Analysis With Auto-Reset On Temporary Fault And Permanent Trip Otherwise
103	Automatic Star Delta Starter Using Relays And Adjustable Electronic Timer For Induction Motor
104	Fuzzy Logic Based Speed Control Of Ac Motor Using Microcontroller With Line Fault Identification
105	Pwm Speed Control Of Ac single Phase Induction Motor Using Mcuseries Combined

	With Triac Technology
106	Electric Lineman Protection Using User Changeable Password Based Circuit Breaker
107	Dual Tone Multi Frequency Based Load Control System
108	Zigbee Module Based Remote Monitoring Of 3 Parameters On Transformer Generator Health
109	Design And Evaluation Of A Mini-Size Smes Magnet For Hybrid Energy Storage Application In A Kw-Class Dynamic Voltage Restorer
110	Review Of Ultra Fast Acting Electronic Circuit Breaker For Overload Protection
111	Ultra Large Gain Step-Up Coupled-Inductor Dc–Dc Converter With An Asymmetric Voltage Multiplier Network For A Sustainable Energy System
112	Detecting Power Grid Synchronization Failure On Sensing Frequency Or Voltage Beyond Acceptable Range
113	Rpm Display For Bldc Motor With Speed Controller
114	Predefined Position And Speed Control Of Brushless Dc Motors Using Sensorless Techniques And Application Trends
115	Design Of Footstep Power Generator Using Piezoelectric Sensors
116	Design And Implementation Of A Solar-Powered Smart Irrigation System
117	A Review On Power Saver For Industries & Commercial Establishments
118	Asymmetrical Two-Phase Induction Motor Speed Controlled By Multilevel Inverter Employing Cascaded Transformers
119	Programmable Switching Control For Industrial Automation In Repetitive Nature Of Work
120	Efficiency Improvement Of Three Port High Frequency Transformer Isolated Triple Active Bridge Converter
121	Rf Based Intelligent Handheld Multi-Parameter Monitoring System With Lcd Display And Das
122	Energy Meter Billing With Load Control Over Gsm With User Programmable Number Features By Pic Microcontroller
123	Bidirectional Rotation Of Induction Motor With A Remote Control Device
124	Minimizing Penalty In Industrial Power Consumption By Engaging Apfc Unit
125	Design Of Modern Solar Street Light Intensity Controller: An Energy Saving Approach
126	Supervisory Control For Power Management Of An Islanded Ac Microgrid Using

	Frequency Signaling-Based Fuzzy Logic Controller
127	Auto Power Supply Control From 4 Different Sources: Solar, Mains, Generator & Inverter To Ensure No Break
128	Vehicle Automation And Accident Alert In Modern Traffic System With Camera
129	Pir Based Energy Conversation System For Corporate Computers And Lighting System
130	Adaptive Power Management In Energy Harvesting Systems
131	Design And Evaluation Of High Performance Pm Generator For A Vertical Axis Wind Turbine
132	Accurate Location Of Phase-To-Earth And Phase-To-Phase Faults On Power Transmission Lines Using Two-End Synchronized Measurements
133	Automatic Switching Of Consumer Connection In Distribution Feeder For Efficient Load Distribution
134	A New Technique To Detect Faults In De-Energized Distribution Feeders Scheme And Asymmetrical Fault Detection
135	Electronic System For Improvement Of Solar Plant Efficiency By Optimized Algorithm Implemented In Biaxial Solar Trackers
136	Voltage Stresses On Stator Windings Of Induction Motors Driven By Igbt Pwm Inverters
137	Parallel Connection Of Scr To Control Speed Of Universal Motor By Switching Angle Control
138	Multiple Starters With Over Load And Low High Voltage Protection With Multi Parameter Monitoring
139	A Novel Optimum Point Tracker Of The Solar Cell Power Supply System
140	Inverter Based Low - High Input Voltage Buck Booster Converter System Design & Implementation
141	Selective Harmonic Elimination Technique With Control Of Capacitive Dc-Link Voltages In An Asymmetric Cascaded H-Bridge Inverter For Statcom Application
142	Study Of Speed Control Of Dc Series Motor Using Dc Chopper
143	Design And Practical Implementation Of Internet Based Predictive Control Of A Servo System
144	Programmable Load Shedding Time Management For Utility Department
145	An Intelligent Method For Load Sharing Of Transformers With Temperature Monitoring And automatic Correction Of Power Factor
146	A Hybrid Resonant Zvzcs Three-Level Converter For Mvdc-Connected Offshore Wind

	Power Collection Systems
147	Counting Apples And Oranges With Deep Learning Using Raspberry Pi
148	Raspberry Pi Based Sign Language Recognition System With Opencv
149	Raspberry Pi Based Wheel Chair Control With Eyeball Movement
150	MQTT Based Monitoring System For Coal Mine Using Raspberry Pi