

B.E/B.Tech Electronics and Communication

S.No	Project Title
Microcontroller Based Projects(8051,PIC16Fxx,MSP430xxFxx Series)	
1	Intelligent Vehicle
2	Hospital Management
3	Patient Monitoring And Analysis System
4	Micro-controller based Three Wheeled Scooter
5	Aero Modeling and Ground Control simulation
6	Airport Baggage Identifier
7	Alert Mechanism for Blinds
8	Automated Kitchen With Intelligent Appliances
9	Automated Restaurant
10	Biometric Enabled Smart Ration Shops
11	Intelligent Glass House
12	Advanced Protective Head Gear - Helmet
13	Multi-tier Car Parking Management Systems
14	The Neonatal Intensive Care Unit
15	Operation Theatre Automation and Controller (OTAC)
16	Prototyping of a PRE-SAFE SYSTEM for automobiles during collision
17	Street Light and Traffic Signal Control using Wireless Technology
18	BABY PRAM
19	Micro-controller based Three Wheeled Scooter
20	Continuous Parameter Monitoring For Gym Users
21	WHEEL CHAIR for Physically Challenged
22	Continuous Ambulatory Peritoneal Dialysis (CAPD)
23	CAN base Automated CAR maneuvering System
Projects on VLSI Design	
1	Designing of risc controller using verilog hdl
2	Designing of i2c master core using verilog hdl
3	Designing of spi master core using verilog hdl
4	Designing of pc serial port using verilog hdl
5	Designing of programmable peripheral interface (ppi) using verilog hdl
6	Designing of programmable timer interface (pti) using verilog hdl.
7	Designing of pwm controller for dc motor
8	Designing of Universal asynchronous receiver and transmitter (uart) using Verilog hdl
9	Designing of alu using verilog hdl
10	Designing of traffic signal controller using hdl
11	Speed control of universal motor (open loop) using hdl
12	Design of Interrupt priority controller using Verilog hdl.
13	Design of Digital Filters and Signal Processors using Verilog hdl
14	Design of Decimators and Interpolation filters using hdl.

15	Design of Booths Multiplier using Verilog hdl.
16	Efficient ASMD Based Sequential Binary Multiplier using verilog hdl.
17	Design of Reduced register Unsigned Binary Numbers Divider using verilog hdl.
Projects on GSM/GPS/RFID/Zigbee	
1	Automated vehicle for physically and visually challenged
2	Community Car Pooling Based on GPS and GSM Technology – an initiative from City Traffic Police
3	A Blind Navigation System using GSM
4	Smart Public Transport Tracking With Route & Timing Suggesting Mechanism
5	Hand Held GPS Co-ordinates Provider
6	GSM Based Home Control Network
7	GSM Based Industrial Disaster Intimation Control System (GIDICS)
8	GSM Based Multi Utility Mass SMS Sender
9	GSM based Sericulture Marketing and Cocoon Selection Mechanism
10	GSM Controlled Latch and Office Automation
11	GSM based Airport Automation (GAA)
12	Hand Held GPS Co-ordinates Provider
13	Advanced Protective Head Gear - Helmet
14	RFID Based Toll Gate Automation
15	Metro Rail Tracking and Safety Mechanism
16	RFID Based Office Automation And Attendance Monitoring System With Payroll”
17	Office Automation with Timer, Attendance & Employee Monitoring System
18	Train Collision Preventer /Anti Collision Systems
19	IVRS System For Industrial Control
21	VB based Voice automation using Zigbee.
22	RSA encryption by using Zigbee
23	Zigbee felicitated Wireless Data Acquisition and Measurement System
24	Real Time wireless data measurement and PC interface using Zigbee.
25	A secure wireless Multiple User and Admin Login access system using Zigbee
26	Zigbee applied 2.4 GHz File Transfer between systems for efficient Throughput.
27	PC to PC client based Wireless Zig Bee Bridge for control and appliance automation
Projects on Robotics	
1	Automated Book Picking Robot for Libraries
2	Mobile Bomb Disposal Unit
3	Anti-Terrorist Vehicle
4	Smart Spy-Bot with Firing and Self Destruction Capabilities Wireless Mobile Bomb Disposal Unit
5	Data Collector - Unmanned remote surveillance vehicle with Sample Collector
6	Automated Equipment Handling Mechanism For Fabrication Workshops
7	Intelligent Spy Robot
8	Light Follower Robot

9	Intelligent Combat Robot
10	Navigation of Mobile Robot Using Global Positioning System (GPS) and Obstacle Avoidance System with Commanded Loop Daisy Chaining Application Method
11	Visual Servo Control of a Three Degree of Freedom Robotic Arm System
12	Design and Implementation of a Stair-Climbing Robot
13	A New Method of Infrared Sensor Measurement for Micro mouse Control to deliver drugs

Communication based Projects

1	Wireless Point To Point Secure Data Transfer
2	Laser link communicator
3	Personal Sound to Light Unit
4	Pc to Pc Fiber - optic communication
5	Pc to Pc Laser Communication

B.E/B.Tech Electrical Engineering

S.No	PLC Based Projects
1	Temperature controller of Lube oil system using PLC & SCADA
2	Motor controlling using Variable Frequency Drive(VFD) & PLC
3	Elevator system using PLC
4	Parking lot system using PLC & SCADA
5	Automatic Drilling Machine
6	Traffic light control using PLC
7	Conveyor control using PLC
8	Lift operation using PLC
9	Boiling control using PLC
10	Bottle filling System using PLC
11	Burglar & Fire alarm safety System using PLC
12	Industrial timer controller for multiple machines using PLC
13	Sequential batch process using PLC
14	Boiler pressure monitoring and controlling system using PLC
15	Double axis crane using PLC
16	Automatic Sheet cutter using PLC
17	Automatic industrial or school or college time management system
18	Automatic car parking system using PLC
19	Automatic door open and closing system using PLC
20	Automatic punching machine using PLC
21	PLC based injection Moulding machine controller using PLC
22	PLC based Industrial security system using PLC
23	PLC based Pressure controller using PLC
24	PLC based Pick and Place robot using PLC
25	PLC based fire monitor using PLC

26	Variable speed control through VFD
27	Industrial energy saving using VFD

M.Tech

IEEE based Project Titles

1	A New Isolated Bidirectional Buck-Boost PWM Converter 2011
2	Design and Implementation of a Bi-directional Power Converter for Electric Bike with Charging Feature 2011
3	Analysis and Implementation of a Novel Single-Stage Low-Frequency Electronic Ballast for HID Lamps 2011
4	Active Snubber Components Optimization for ZVT-ZCT Soft Switched PFC Converter
5	A New Single-Phase Soft-Switching Power Factor Correction Converter 2011
6	Single Stage Series Load Resonant ZVS-PWM High Frequency Inverter Operating at One Diode Conduction and Critical ZCS PFC Rectifier 2011
7	Implementation of Solar Illumination System with Three-Stage Charging and Dimming Control Function

Diploma in Electronics

S.No	Projects Titles
1	RFid Based Museum Guide for Tourists
2	RFid Based Highway Toll Tax Collection System
3	RFid based Attendance System
4	RFid based Security System
5	Remote Surveillance Vehicle
6	Master slave communication
7	Greenhouse Robot
8	Industrial Automation Using Cell phone
9	Person counter and Password detector
10	Person counter and Password detector
11	Temperature & Light Monitoring and Controlling
12	Home Security System
13	Monitor and Control of Greenhouse Environment
14	Rolling display using Matrix LEDs
15	Automatic car parking indicator using Microcontroller
16	Automatic Room light Controller with Visitor Counter
17	Level Computing and Storage Device
18	Microcontroller based Data Logger
19	Line follower Robot
20	Six Channel Petrochemical Fire Monitoring & Control Station
21	Gas Turbine Compartment Temperature Controller
22	PT-100 Temperature controller

23	Automatic Railway Gate
24	Heart Rate Monitor
25	Light Follower Robot
26	Line Follower Robot with Obstacle Detection
27	Pc to Pc Laser Communication
28	Data acquisition system using 8051
29	Water Spy - A Submarine Robot
30	Microcontroller Based Health monitoring system.
31	Master slave communication
32	Time Operated Electrical Appliance Controlling System
33	Temperature & Light Monitoring and Controlling
34	Radio Frequency Identification System (RFID)
35	Public Garden Automation
36	Street lights that glow for 1/2km only on detecting vehicle movement
37	Synchronized traffic light signal system (can) to ease traffic congestion in metros
38	Automatic Dialing to any telephone using I2C protocol on detecting burglary
39	Automatic irrigation system on sensing soil moisture content
40	Using TV remote as a cordless mouse for the Computer
41	Dynamically changing signal light time allotment in street junctions based on traffic density
42	Auto power supply control from 4 different sources: Solar, Mains, Generator & Inverter to ensure no break power
43	RFID guided automatic parking permission for vehicles in cellar at commercial complexes
44	Closed loop feedback operated motor speed control
45	Line following robotic Vehicle using microcontroller interface
46	RFID based device control & authentication
47	Monitoring Serial Communications in MC Based Embedded Systems using CAN, Control Area Network. Three microcontrollers communicating with each other over pair of wire
48	Low Cost Zigbee Based Load Controller
49	RF controlled by hand held unit, laser beam managed bomb-diffusing robot
50	Automatic Wireless health monitoring system in hospitals for patients