

NCCT

Final Year Projects

EMBEDDED SYSTEMS PROJECTS

Microcontroller | VLSI | DSP

Robotics | Matlab

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PROMISE FOR THE BEST PROJECTS

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- American Sign Language based Hand Gesture Recognition & Performance
- Staircase Climbing Robot – Implemented in Multi-Domain Approach
- Driver Fatigue Accident Prevention using Eye Blink Sensor
- Implementation of Automated Multi Story Car Parking
- Boatbot – Design & Implementation
- Energy Consumption, Meter Reading and Extra Power Requisition System
- Automatic Touch Screen based Vehicle Driving System
- Alternative Energy Sources - Foot Power Generation
- Helping Hand for Disabled Person - Hand Gripper Robot
- Robotic Vision and Color Identification System with Solenoid Arm for Colored Material Separation
- Soil Moisture Content based Automatic Motor Starter for Irrigation Purpose
- Intelligent Train Engines and Hi Jack Control System or RF – Vehicle Hi Jack – Train
- Advanced Collision Avoidance Solar Powered Robot Car with Automatic Charger - Seek for Sun Light and Charges when the Battery Goes Down
- ASSIST - Automated System for Surgical Instrument and Sponge Tracking

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- **Trivector Meter – Design & Implementation**
- **Power Failure Auto Detection at Customer Place and Wireless Power Line Communication – Auto Announcement System to E.B Station**
- **Eye Ball Controlled Automatic Wheel Chair**
- **A Security Framework in RFID based License Plate**
- **GPS and GSM based Biomedical Wearable Device for Remote Monitoring of Physiological Signals**
- **Botrobo – Tanker & Sound Detecting Robot**
- **Ultrasonic based Vehicle Parking Guidance System**
- **Portable Power Analyzer for Energy Audit**
- **I Protect – Integrated Vehicle Tracking and Communication System with Vehicle Command Unit – An Ultimate tool for Tracking, Real Time Monitoring**
- **Wireless Based Railway Bridge Damage or Track Fault Notification with Alarm Systems**
- **Intelligent System for Hazardous Gas, Human Detection and Temperature Monitor Control Using GSM Technology**
- **Alcohol Breath Analyzer / Alcohol Sensing Vehicle Starter System**
- **Automatic Railway Gate Control & Track Switching**
- **Advanced Robotic Vacuum Cleaner with Wall Sensors and RF Remote Controller for Systematic Cleaning**

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- Design & Implementation of 3Phase Power Changer
- Implementation of Secured Black Box in Aircraft
- Snake Robot – Serpentine Robot for Industrial Inspection and Surveillance
- A Novel Rear-End Collision, Accident Avoidance, Distance Measuring using Ultrasonic Technology
- Automatic Employee Tracking System using Zigbee Network and I2c Memory Card Reader
- Anti Collision System in Railway & Location Monitoring using GSM and GPS – Intelligent Train System with GPS
- Voice based Activation and Control of Equipments
- Voice based Elevator Movement and Display
- Passenger Information System using GPS
- Driverless Automated Car System
- Zigbee based Smart Vehicle System – Track, GPS based Vehicle Tracking, Protection & Security System
- Design and Implementation of a Multiplex Parking System and Toll Collection based on Time Management Techniques for Identifying the Parking Violation based on Expiry Time

**For IEEE
Project Titles**

**PI check this word
file**

**1a-IEEE Embedded
IEEE Project Titles,
2009 - 2010 NCCT
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- Zigbee enabled Pantry Updation - Wireless Network and Data Synchronization using Hand Held Device - Zigbee enabled 2 Way
- An Automatic Collision Detection and Acceleration Control using Multi Zone Transmission and Reception through RF Technology and GSM Communication
- Conveyor Belt Sequential Timer Controller with Model for Bottling Plant
- Fuzzy Elevators - Group Elevator Scheduling With Advance Information for Normal and Emergency Modes in Building Management Systems
- GPS & RFID based Intelligent Guided Vehicle
- Automated Drilling Machine
- Touch Screen based Wheel Chair Implementation
- Library Robot - Path Guiding Robotic System with Artificial Intelligence using Microcontroller
- Eye Ball Movement based Equipment Control
- Fuzzy Logic based Automated Train
- Real Time GPS based Vehicle Parameter Monitoring with Intelligent Data Analysis

Why NCCT

Quality Training	On time Completion	Flexibility	Complete Guidance	Excellent Support
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- Zigbee based Wireless Weather Station
- Finger Print Verification for Passport Checking
- Design & Implementation of Grass Shredding Robot
- Electronic House – A Well Equipped Modern House
- Design & Implementation of Child Safety Device
- Autonomous Robot with Obstacle Avoidance, Drive Wheel Synchronization and Line Tracking Capability
- A Wireless Bio-Implantable Device for Monitoring Vital Body Parameters of Transgenic Mice with Mems Technology
- Motion Operated Scrolling Display using Mems Accelerometer and I2c Protocol
- Blind Spot Location Identification - Bus Alert System for Vision Impaired People
- Wall Follower Robot with the Help of Multiple Artificial Eyes
- Medical Robot – Design & Implementation
- GPS based Substation Implementation
- Density Traffic Analyzer - Traffic Control System for Ambulance Service Design & Implementation
- Rail Track Inspector
- Cockpit White Box
- Mobile Robot -- Wireless Ai based Intelli Mobile Robot for Multi Specialty Operations

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- **Intelligent Fuzzy Control Guided Vehicle with Collision Prevention – Ultrasonic based Distance Monitoring and Fuzzy based Collision Avoidance**
- **Wireless Hybrid SCADA for Power Station Substation Monitoring & Automation**
- **Flying Robot with Search and Rescue Feature for an Accident Area or Natural Disaster Area**
- **Dish Position Controlling and Monitoring System Used for Radar & Other Telecommunication Applications**
- **Smart Tanker Robot for Security Operations in the Protected Area with Wireless Secured Communication**
- **ICU - Wearable Biomedical Sensors & Systems -- Wearable Body Sensor Networks with Bp**
- **Distance Protection – Power Theft Identification & Location Detection**
- **Intelligent Transport System using Wireless Technologies**
- **Judo Coat – Design & Implementation**
- **GPS based Intelligent Guided Vehicle with Collision Mitigation - Automatic Vehicle Location Tracking, Collision Avoidance with Dual Channel Communication using RF**
- **RF based Intelligent Handheld Multi-Parameter Monitoring System with LCD Display and DAS**
- **Multisensor - Smoke, Fire, Temperature, Gas, Metal & Intruder based Security Robot - Zigbee**
- **Ultrasonic based Path Planning for the Blind Person**

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- The Electronic Passport & The Future of Government Issued RF ID based Identification
- Intelligent Train System – Automation, Collision Avoidance, Signal / Unmanned Controlling, Moving Message Display, Voice Annunciation
- Industrial Automation and Control System IVRS - Remote Location using Remote Connection, with Immediate Voice Feedback
- RF ID/ Proximity based Multi Usage Card
- ICU - Smart Medicare Patient Monitoring System
- Infant Monitoring System
- Finger Print based ATM Authentication & Money Management System
- Voice Recognition for Controlling Color Television
- Energy Saving System using Thyristor Controllers
- Cell Phone Jammer - Implementation of Highly Effective Mobile Cell Phone Jammer
- RF ID & Finger Print based Campus Access Control System

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- Person Identification System – RF ID System used for Tracking & Authentication Purposes Applying Back Scattering Technology
- RF Id Proximity based Checking & Detecting Expiry Date (S), Stock Updation
- Multiplexing Control of EMU
- Fuzzy Logic based Speed Control of DC Motor
- Speed Control of AC Motor with Multi Parameter Monitoring
- RF ID & Finger Print based Electronic Passport – Multi Management System
- Parameters Checking Before Take Off
- Coach Location Monitoring and Identification
- GSM / CDMA / DCS Tri Band Jammer
- Voice Control based Speed Control of Dc Motor
- Finger Print based Campus Management System
- Automatic Vehicle Toll Collection & Gate Entry Exit System using RF ID
- Voice Controlled & Activated Wheel Chair Robot for Physically Challenged
- Fuzzy Logic based Lift Control & Management System
- Advanced and Intelligent Distant Vehicle Identifying and Automatic Entry System using Active RF ID

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- Blue Tooth Jammer for Security Application
- Artificial Intelligence based Security for Telephone Exchange with SCADA
- Finger Print based Digital Locker Security
- RF ID/ Proximity based Pharma Health Card
- Effective Solar Tracking System for Optimal Power Generation and Lift Operating Through Solar Power
- RF based Code Modulation – Decryption & Encryption for Secured Wireless Communication with OFDM
- SCADA for Instrumentation
- Hi End Temple Security System with Frequency Jammer
- Design and Implementation of Railway Automation System with Sensors Network
- Zigbee enabled ICU Care Taker - Life Support System
- Contactless Electromagnetic Proximity based Campus Management System
- Anesthesia Control System using Infusion Pump with Heart Beat Monitoring System
- SCR DCR Circuit Breaker
- GPS Jammer
- Finger Print based Digital Voting Machine
- Energy Saving Systems for Railway Platforms

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- Heart Beat Rate Monitoring System - RF based Wireless Heart Beat Rate Monitoring System
- Speed Control of DC Motor with Field & Armature Control
- Multiple Starters with Over Load and Low High Voltage Protection with Multi Parameter Monitoring
- Contactless Electromagnetic Proximity based Public Transport System
- Microwave Spy Camera Jammer
- Advanced GSM based Theft Vehicle Identifying System using Remote PC
- Wireless Remote Motor Starter with Acknowledgement using Solar Energy Power for Agricultural Application
- IVRS based Electronics Televoting with Response & Feedback
- Intelli Robotic Wheel Chair for Specialty Operations with Key Operations and Advanced Path Planning Routing System
- Alive Human Being Detector in War Fields / Affected Areas using WAP with Model & Camera
- SMS based Controller – Robot Control
- Prepaid Electricity Billing RF 2 Way Automation using Contact Less EMPCR Card & Reader with Voice Annunciation - IVRS
- Anti Collision System in Railway using GSM and GPS
- Vehicle Emission -- Automated Vehicle Emission Testing (Co2) and Issuing online Certificate

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- **Effective Signal / Frequency Jammer System for Security & Protection**
- **SCADA based Waste Water Treatment**
- **Cycloconverter Drive for AC Motors**
- **Digital PID Controller based Speed Control of DC Motor**
- **Intelligent Power Sharing of Transformers with Auto Protection**
- **Finger Print based Physical Access Control Vehicle Immobilizer**
- **RF enabled Energy Meter Digitization & Automation and Automatic Utility Transfer with Two Way Communication**
- **Speed Control of a Linear Induction Motor V/F Technique**
- **Noise Less Speed Control of DC Motor using PWM Converter**
- **Inverter based Low - High Input Voltage Buck Booster Converter System Design & Implementation**
- **Multi Power Utilizer - Maximum Demand Indicator and Power Factor Indicator**
- **Natural Failure Protector**
- **Protective Relay V, I, V/F Protection & Impedance Relay**
- **Voltage Stresses On Stator Windings of Induction Motors Driven By IGBT PWM Inverters**
- **Soft Switching PWM Three Level Converters**
- **Brushless Speed Control of DC Motor**

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- **Finger Print Identification / Recognition based Equipment Control System**
- **SMS based Universal Motor Speed Controller**
- **GPS & GSM based Accident Alarm System**
- **Fuzzy based Speed Control of Induction Motor using Microcontroller**
- **PWM based Bidirectional Speed Control of DC Motor**
- **Peritoneal Dialysis – Design and Implementation of Blood Purification System**
- **Integrate Intelligent Security System for Industrial Surveillance with WAP & Auto Dialer**
- **Soft Switching PWM Three Level Inverters**
- **Intelli Home Security System with Auto Dialer, Peace Keeper – The Home of Tomorrow**
- **Smart Solar Powered Car**
- **Sensor less Speed Control of AC Induction Motor using Microcontroller**
- **Speed Control of DC Motor using FQ / TQ Chopper Drive**
- **Smart Solar Tracking System for Optimal Power Generation**
- **Smart Wind Mill based Power Generation System for Mobile Charging**
- **Zigbee – College / Industry – Wireless Network and Data Synchronization using Hand Held Device**

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- **Wireless Sensor Network based Model for Secure Railway Operations – Performance, Computing & Communication Conference**
- **Remote Controlled Water Splash Robot for Gardening**
- **Fuzzy Logic based Speed Control of AC Motor using Microcontroller with Line Fault Identification**
- **Development of Smart Notice Board – Active Information Display Systems**
- **Automatic Vehicle Speed Management System**
- **IVRS based Smart Networked Home - Home Automation System**
- **Smart AI based Image Capturing Robot with Sensors Network**
- **Cell Phone Controlled Ai based Five Axis Robot for Multi Specialty Operations**
- **IVRS based Robot Control with Response & Feed Back**
- **Voice Controlled Intelli Robot for Multi Specialty Operations**
- **PC Controlled Advanced Wireless Robot Vehicle with Camera for Bomb Detection / Human Surveillance Application for Dangerous Areas**
- **Zigbee based Wireless Multi Channel Home Automation System with IVRS**
- **SMS based Remote Motor Starter for Irrigation in Agricultural Application**
- **SMS Controlled Home Automation System**

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- **Distributed Control System for Industrial Transducers Failure Location & Annunciation**
- **Boiler and Burner Management & Controller System**
- **CAN based Smart Car Security System**
- **IVRS based Students Mark Annunciation for their Parents**
- **Complete Automation of Automobile Control System using CAN**
- **CAN based Exteriors – Design & Implementation**
- **Smart Room Controller using Human Presence Detector**
- **PLC based Bottle Filling Station with Conveyor Model**
- **PLC based Traffic Controller**
- **Life Cycle Testing of Electrical Components**
- **Design of Induction Furnace Control System**
- **Vehicle Safety Speed Controller under Driver Fatigue using Eye Blink Sensor**
- **A Portable Wireless Eye Movement-Controlled Human-Computer Interface for the Disabled**
- **Providing Group Tour Guide by RFIDs and Wireless Sensor Networks**
- **A Low-Cost Solution for an Integrated Multisensor Lane Departure Warning System**
- **Development of Energy Management and Warning System for Resident: An Energy Saving**

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- Development of pedestrian-to-vehicle communication system prototype for pedestrian safety using both wide-area and direct communication
- Fingerprinting Passports
- A Distributed Measurement System to Estimate Plant Water Content in Agricultural Fields based on Wireless Sensor Networks
- A Hands Gesture System of Control for an Intelligent Wheelchair
- An RFID based Pilgrim Identification System
- A RFID System to Help Visually Impaired People in Mobility
- MeshEye: A Hybrid – Resolution Smart Camera Mote for Applications in Distributed Intelligent Surveillance
- Car-to-Car Communication
- The OmniTread Serpentine Robot for Industrial Inspection and Surveillance
- A Vehicle-to-Vehicle communication Protocol for Cooperative Collision Warning
- Energy Efficient Target Coverage in Wireless Sensor Networks
- ZIGBEE based Infant Incubator Parameter Sensing & Monitoring
- Eyeball Sensor for Automatic Wheel Chair Movement for Paralysed Patients
- Hand Talk – Assistive Technology for the Dumb

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- A Versatile Drop Foot Stimulator for Research Applications
- Hand Talk using Flex Sensors with Voice Indication
- Stimulation of Paralyzed Muscle using IR
- Monitoring System for Premature Babies
- Portable Lift for Carrying House Hold Items
- Battery Voltage and Current Monitoring for 8 Batteries
- Self Guided Pedestrian Crossing Robot for Blinds and Elderly Persons – Walking Stick
- Electromagnetic Magnetic Type Pick and Place Robot for Materials Handling
- Finger Gesture Recognition using Flex Sensors with Voice Output
- PCB Drilling Machine using Cartesian Bot
- Railway Pedestrian Crossing between Railway Platforms without Staircase
- Conveyor for Grade Selector and Diverter Applications
- Walking Robot for Impaired Peoples – Muscle Weakness
- Intelligent Briefcase with Digital Code Lock and Shock Generator during Unauthorized Access
- Automatic Shopping & Billing in Super Market
- RF ID based Industrial Security System

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- Hospital Automation with Patient Monitoring
- Optical Isolated Transparency SCADA - for Telephone Exchange
- Embedded based GPS for Telephone Exchanges
- Global Positioning System used for Traction of Train
- Bidirectional Communication Aircraft Landing System – ALS
- Data Acquiring System for Airports
- Blind Stick with Audio & Video Interface
- Scada for Local Distribution Network
- Computer Controlled Drilling Machine
- Blood Pressure Analysis on Treadmill Environment
- Wireless Voting System
- Digital Counter using CMOS Technology
- Multi Channel Temperature Indicator
- Need of Ad Hoc type Networking for Modern Airports for Aircraft Landing
- Rescue Robotics for Biomedical and Life Saving with Artificial Intelligence
- RF ID based Canteen Automation
- Wireless Transformer Failure Analysis
- RFID Based Ration Card

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- Sovereign Robot for Light Density
- A Mobile Platform for Nursing Robots
- Advanced Human Detecting and Self-Guided Robotic Waiter for Hotels
- Self Guided Object Tracking & Following Mobile Robot for Factories & Mining Areas
- Walking Robot with Hyper Line Tracker using IR Sensors for Uneven Terrain
- Vision Guided Law Enforcement Robotic Helicopters – A Revolutionary New Interface
- Advanced Miniature based Wireless Camera Monitoring System for Wildlife Application
- Advanced Robotic Pick and Place Arm and Hand System
- An Assistive Robotic Device that CAN Synchronize to the Pelvic Motion During Human Gait Training
- Automatic Collision Avoidance and Real Time Distance Monitoring
- Automatic, Advanced Robotic Arm for Welding in Automated Assembly Line
- Cell Phone Controlled Smart Image Capturing Robot
- Collision Avoidance By the Fusion of Different Beam-Width Ultrasonic Sensors & Rescue Robot using PIR Sensor
- Design & Implementation of Real Time Security Guard Robot using GSM CDMA Networking

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- Cell Phone based Materials Handling Robot
- Design and Development of Obstacle Sensing and Object Guiding Robot
- Distance Monitoring and Object Detecting Robot By Radio Frequency Technology
- Distributed Sensors Fusion for Object Position Estimation and Approaching By Robotic System
- Drishti: An Integrated Navigation System for Visually Impaired and Disabled
- Electronic Nose for Robotics
- Cell Phone based Robot Direction & Alive Human Detecting
- Fire Ball for Fire Extinguishing with Robot Model
- Fire Sensing Robot with Auto Dial-Up Facility & No Extinguisher
- Gas Detection Robot for Atomic Power Station
- Human Step Rehabilitation using A Robot Attached to the Pelvis

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Concepts &
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- **Hyper Line Tracking Control of Robotic Car using Track Sensors for Industrial Application**
- **Intelligent Fire Sprinkler System**
- **Fire Fighting Robo using Ultrasonic Technology**
- **Intelligent Remote Missile Path Guide Monitoring System for Military Application**
- **IVRS based Control of Alive Human Being Detector with Voice Feedback**
- **Motion Activated Wireless Video Capturing System for Security Wild Life Application**
- **Non GPS Navigation with the Personal Dead Reckoning- PDR System**
- **Path Guiding Robotic System with Artificial Intelligence using Microcontroller**
- **PC Controlled Alive Human Being Detector in War Fields / Affected Areas using WAP with Model & Camera – PIR Sensor for Rescue Operations with 2 Way Communication**
- **Programmable Surface Cleaning Robot using Blowers**
- **Remote Guided Automatic Combat Gun Vehicle with Laser Target and 2.4ghz Wireless Camera Monitor**
- **Voice enabled Pyroelectric Infrared Sensor based Security Alert System for the Safer Guarding**
- **Most Advanced Land Rover with Wireless Remote Control using PC with Camera and Solar Cell Power**

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- Rescue Robot for Military Purpose with Voice Annunciation using PIR Sensor and Metal Detection
- RF - Remote Location Controlled Alive Human Being Detector Model
- Voice enabled Image Capturing and Transferring to PC using Robot
- RF Remote based Fire Fighting Robot for Relief Operations with Auto Dialer Facility
- Robotic Exploration in Under Water with Remote RF Controller and 2.4 Ghz Automatic IR Cameras for Night Vision and Remote Receiver
- Robotic Technology Integration for Army Ground Vehicles – Zigbee
- Voice Control / Speech Recognition Alive Human Detector
- Automatic Human Seeker Robot with Human Body Heat Scanner
- Robust Balance Control of A one Legged, Pneumatically Actuated, Acrobat-Like Hopping
- SMS based Alive Human Detector in Affected Areas / War Fields
- Voice based Path Control of Robot Via the PC using RF Communication Technology
- SMS Controlled Intelli Robot Materials Handling
- SMS enabled towards Command & Control Networking of Cooperative Autonomous Robotics for Military Applications

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- **Voice Control / Speech Recognition Locker Security**
- **The Guide CAN – Applying Mobile Robot Technologies to Assist the Visually Impaired**
- **A Robotic System for Underground Coal Mining**
- **Ultra Sound Guided Collision Avoidance and Navigation Robotic System for Multiple Applications**
- **Visual Surviving and Multi Directional Light Signature Sensing and Approaching Robot with Edge Detector for Tunnel Application**
- **Climbing and Walking Robot for Uneven Terrain and Disaster Area Application**
- **Voice Control / Speech Recognition Fire Fighting Robot for Relief Operations**
- **Walking Robot with Infrared Sensors / Light Sensors / RF Sensor / Tactile Sensors**
- **Wireless AI based Fire Fighting Robot for Relief Operations with Two Way Communication**
- **Zigbee enabled Alive Human Being Detector Model with Camra**
- **A Computerized Travel Aid for the Active Guidance of Blind Pedestrians**
- **Voice Control / Speech Recognition Rescue Robot for Military Purpose using PIR Sensor and Metal Detection**
- **A Design of A Prototypic Hand-Talk, Assistive Technology for the Deaf**

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- **Voice Control / Speech Recognition Alive Human Detector**
- **A Distributed, Adaptive Protocol for Handling Interference in Wireless Communications**
- **Code Blue Wireless Network using Mobile Phones**
- **Voice Recognition based Robotic Car**
- **Enabling / Disabling & Wireless Control of Appliances & Devices using RF Technology**
- **Voice Control / Speech Recognition Car Security System**
- **Fully Automatic Intelligent Wireless Remote Railway Gate Controller & Monitoring System with Remote Train Stopper for Railway using Active RF Id System**
- **Voice Control / Speech Recognition Voting System**
- **Machine-to-Machine Communication in Cellular Networks**
- **Reduction of Disturbance Effects and Sustained Oscillation using Multi-Sensor Implementing Wireless Communication**
- **Remote Communication Devices for Electric Utility Applications, Electric Power Conference**
- **Voice Control / Speech Recognition Home Automation**
- **Remote Mobile Phone Motor Starter for Irrigation Purpose**
- **Voice Operated Modern Restaurant System**
- **Voice Recognition based Access Control System for Door Opening & Closing using Microcontroller & Voice Hm2007 IC**

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- **Wireless Automatic Traffic Signaling System**
- **Wireless Intrusion Detection, Electronic Security & Control System using Central Monitoring System**
- **Zigbee Voice Communication System for Industrial Application**
- **Zigbee for Building Control Wireless Sensor Networks**
- **Finger Print based Car Lock Security System**
- **Wireless Telemetry for Line Data Transmission on A Mobile Unit**
- **Voice Communication Over Zigbee Networks**
- **GPS based Active Fleet Management- Featured Rich Automatic Vehicle Location Tracking, Collision Avoidance with Dual Communication using RF**
- **Advanced Remote Temperature and Heart Rate Monitoring System**
- **Zigbee Source Route Technology in Home Application**
- **Finger Print based Authentication, Access Control, Time, Attendance Management System**
- **Artificial Hands for Physically Disabled**
- **Artificial Weaning Analyzer using Neural Network / Neural Network based Vital Sign Monitor and Control**
- **Bed Side Patient Monitoring System with BP & RF**
- **Blind Identification and Equalization of FIR – Finite Impulse Response**

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- Complete Body Scanning System with BP & RF
- Zigbee Device Detector for Safety Application
- Defibrillator, External – ECG Monitoring Device While Transit
- Detection of Blood Cancer using Embedded Technology
- IGlass for Visually Impaired
- Zigbee Enabled Speed Control of DC Motor
- Intelligent Mobile based Patient Monitoring System
- Measurement of Inhaled / Exhaled Respiratory System
- Medi Kit - Advanced Home Care System for Elderly Person Patients with Remote & Auto Dialer with BP
- Zigbee based Wireless Sensor Networks and Its Applications in Industry
- Finger Print based Guard Alert System
- Monitoring Functional Arm Movement for Home based Therapy After Stroke
- Recognition of Human Iris Patterns for Biometric Identification
- Wireless Telemetry for Line Data Transmission on A Mobile Unit
- Zigbee based Medi Care - Patient Monitoring System with WAP RF BP
- Zigbee based Monitoring System using Auto-Dialer

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- Finger Print based Inter Electromagnetic Door Locking System
Advanced Parachute Deployment System using Mems Free Fall Detector and I2c Protocol
- Automotive Crash Detection and Airbag Deployment using Mems Accelerometer
- Electronic Speedometer using Inertial Mems Sensor and I2c Protocol
- Zigbee based Gas Leak Detection and Data Monitoring System
- RFID based Prescriptions in Automated Pharmaceutical Systems
- Measuring and Transmitting Vital Body Signs using Mems Sensor
- Motion ACtivated Power Saving System using Mems Accelerometer and I2c Protocol
- Motion Controlled Password System for Compact Embedded Systems using Mems Sensor
- Automated Roll Call with Palm based Device using Zigbee – SRD / ISM Band
- Zigbee Data / Voice Communication System for Industrial Application
- GPS based Air Craft Collision Avoidance
- Hand Held Device - Restaurant Services Management & Attendance Monitoring, Data Transfer, Updation
- Zigbee Enabled Miniaturized Mote Control

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- A Wireless Network based on the Combination of Zigbee and Gprs
- A Zigbee based Power Monitoring System with Direct Load Control Capabilities
- Bus Priority Control System based on Wireless Sensor Network (Wsn) and Zigbee
- Commercial Applications of Wireless Sensor Networks using Zigbee
- Zigbee based Dynamic Control Scheme for Multiple Legacy IR Controllable Digital Consumer Devices
- Custom Wireless Sensor Network based on Zigbee
- Design of Air Pollution Monitoring System using Zigbee Networks for Ubiquitous City
- Development of Zigbee based Street Light Control System
- Zigbee Device Access Control & Reliable Data Transmission based Health Monitoring
- Finger Print Authenticated, Access Control & Automated Door Opening System
- Patient Monitoring System using Sensor Network based on the Zigbee
- Realization of Home Remote Control Network based on Zigbee

Why NCCT

Quality Learning

Flexibility

On Time Complete

**Complete
Guidance**

Excellent Support

**Live / Real Time
working Model / Kit
for each Project**

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- Finger Print based Time, Attendance & Library Management System
- Remote Engine Performance Monitoring and Logger System using Zigbee and I2c
- Zigbee Wireless Sensor in Industrial Applications
- Finger Print based Authentication and Controlling System of Devices
- RFID based Student Tracking System
- Remote Power on/off Control and Current Measurement for Home Electric Outlets based on A Low-Power Embedded Board and Zigbee Communication
- Finger Print Recognition based Time Recorder with Weigh & Output
- System for Measuring Power Supply Parameters with Zigbee Connectivity
- RFID based Automated Airline Baggage Systems
- Tea: Transmission Error Approximation for Distance Estimation Between Two Zigbee Devices
- The Implementation of Indoor Location System to Control Zigbee Home Network
- Wireless Automation of Unmanned Railway Crossing Gate Alert System using Zigbee
- Zigbee based Money Transfer System
- Finger Print based Vehicle Access System

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- Finger Print Identification based Home Automation with Advanced Sensor
- A New Concept for Vehicle Localization of Road Debiting System using RF Id / Active RF System – Intelligent Vehicles
- Automated and Unmanned Parking System using RFID Technology
- RFID based Customer Loyalty Programs
- RFID Asset Tracking & Monitoring
- Advanced Digital Wireless Automatic Vehicle Register System for Highways
- Advanced Miniature Radio Collar Tracking System for Wild Life Application
- Automatic Locker Machine - Design & Implementation, using RFID & Embedded Microcontroller
- Intelligent Retail Business: Location based Services for Mobile Customers
- RFID based Animal Location Tracking and Identification System
- GPS - Route Tracking System using PC with 2 Way Dual Channel Communication
- RFID based Parking Lot Access and Control, Vehicle Tracking in Rental Lots
- Security and Privacy in RFID and Applications in Telemedicine – Communications

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- **RFID Applications Strategy and Deployment in Bike Renting System**
- **Secure Voting Through ATM Booths**
- **GPS – Design & Implementation of 2 Way Communication System with Transmit & Reception of Data using RF**
- **RFID based Virtual Gate Entry Control**
- **GPS based Highway Monitoring & Control**
- **RFID / Active RF based Equipment/ Personnel Tracking in Hospitals**
- **GPS enabled PC based Geographic Information System (GIS) & Routing Scheduling System**
- **GPS GSM based Aircraft Collision Detection & Avoidance**
- **Advanced Wireless Bank Security System with Remote Alarm and Sensor for Modern Security Application**
- **Design and Implementation of Railway Automation System with Sensors Network**
- **Motion Detection, Robotics Guidance & Proximity Sensing using Ultrasonic Technology**
- **Real Time Lane Detection for Autonomous Vehicles – Ultrasonic Sensor**
- **Advanced Digital Wireless Multi Point Security System for Fire Safety with Alarm**
- **Advanced Tsunami Warning System using Satellite for Early**

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- **Advanced Wireless Bank Security System with Remote Alarm and Sensor for Modern Security Application**
- **AIDC Attendance Monitoring System in Industry**
- **Aircraft Airbox Ground Tester with Aircraft Accessories**
- **Autonomous Helicopter System with Security System**
- **Combination Lock for Security Applications**
- **Design and Implementation of Mobile based Electrical Appliances Control for Industrial Automation with High Security**
- **Embedded System based Inter Locking System of Electromagnetic Doors**
- **Finger Print / Bio Metrics based Industrial Authentication & Access Control System**
- **Hardware / Software Co-Design for Hyper Elliptic Curve Cryptography (HECC) on the 8051 for Industrial Security**
- **High Bandwidth Tilt Measurement using Low Cost Sensors**
- **Industrial Security Robot with Multi Specialty Features**
- **Intelligent Car Security System using Dynamic Generation of Random Security Codes**
- **Intelligent Information System for Police**
- **Interactive Earthquake Monitoring & Low Frequency Vibrations & Noise Sensing System**
- **Mobile Device Security using Transient Authentication**

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- Multi - Zone Fire Alarming Control Panel with Zone Location, Auto Dialer to Fire Station
- PC based Home Appliance Control System
- Safe – Secure Anti Frequency Eliminator
- Safe Street Crossing System for Vision Impaired People
- Secure Transmission of Sensitive Data using Multiple Channels
- Voice Control / Speech Recognition Car Security System
- Wireless Access Monitoring and Control System based on Digital Door Lock
- Wireless Aircraft Automatic Landing System
- Wireless Lan with Mono Alphabetic Substitution
- Development of Smart Notice Board – Active Information Display Systems using SMS based on Microcontroller
- SMS based Appliance Control System
- SMS Controlled Intelli Robot Materials Handling
- SMS Controlled Load Monitoring System
- Design and Implementation of Real Time Security Guard Robo using GSM/CDMA Networking
- Ferreting Out Peripatetic Device using GSM Technology
- 3 Phase Prepaid Electricity Billing Automation
- A Miniaturized Mote for Wireless Sensor Network

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- A Mobile RFID-Tracking Security System
- A Novel Robot System for Surface inspection and Diameter Measurement of Large Size Pipes
- A Proposal for Design of Hybrid Multi Functional Implantable Biochip using Bio-intelligent Expert System
- A Robust Architecture for Autonomous Robot Navigation and Control
- A Survey of Communication Network Paradigms for Substation Automation
- A Wireless Escape System for Industrial Accidents using Adhoc Positioning
- Implementation of Wireless Surveillance / Emergency Rescue Monitoring Vehicle with Wireless Camera using Microwave Frequency with Microwave Audio / Video Transmission
- Intelli Public Transport System – Bus Status – Arriving / Leaving / Breakdown indication System in the Bus Stop
- Ac Generator Monitoring – Generating Voltage, Oil Level, Fuel Level, Etc Through Wireless
- Advanced Train Compartment Information Display System for Modern Railways
- Adhoc – Advanced Home Care System for Elderly Patients
- Advanced Automatic Vehicle Crash Notification using GSM Technology
- Advanced Digital Remote Panic Alarm Button for Bank / industrial Application

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- **Advanced Digital Wireless Bank Safe Security System with Remote Alarm using Multi Sensor**
- **Advanced Digital Wireless Entry / Exit Register System for Time Control in Bus Stand with Remote Monitoring using PC**
- **Advanced Wireless Automatic Digital Pumping System for Agriculture using Soil Sensor**
- **Cell Phone Detector for Security Application**
- **Advanced Wireless Earth Quake Alarm System for Early Warning**
- **Advanced Wireless Electrical Appliance Control System using PC and Coded RF Protocol for industrial Application**
- **Advanced Wireless Electrical Meter Reading System**
- **Advanced Full Function Remote Home Automation System using Encrypted RF Technology**
- **Advances Home Care System for Patients (Adhoc)**
- **All Band Radio Jammer for Military Application**
- **An Autonomous Assistant Robot for Book Manipulation in a Library**
- **An Enhanced Parking Lot Service Model using Wireless Sensor Network**
- **An intelligent Mobile Robot Navigation Technique using RFID Technology**
- **An RFID Application for the Disabled: Path Finder**

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- Application Field of RFID in Health Safety and Environment Management
- Artificial intelligent based Equipments Failure Detecting & Automatic Dialing to the Concern Service Engineer Cell-Phone / Telephone
- Cell Phone based Total Car Controlling System – Car Moving, Forward, Reverse, Etc.,
- Attendance Marker System with IRC Reader and Face Indicator
- Auto Flight Pilot Simulation Applied in Real Time & Remote Monitoring using High Speed RF Data Link for UAV / Flight
- Automated & Unmanned Control System of Railway crossing using Wireless IR Sensor
- Automated Accident Identification, Detection via Vibration Sensors using RF Technology
- Automated Bus Ticket Tariff Calculation using Identification of Destination Point
- Automated Car Parking System with Automatic Gate Opener
- Implementation of Global and Remote Positioning System for Defense and other Purposes using Mobile Networks
- Automatic Cell Phone Detector and Mute Switch for TV / DVD
- Design and Development of Line Follower Robot using the Principle of Reflection of Light Rays
- Automatic Controller for Elevator and Escalator with Sensor Network & AI

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- Automatic Intelligent Plant Watering System
- Automatic Load Sharing of Transformers with Protective Analysis
- Cell Phone based Motor Speed Control
- Automatic Railway Gate Signaling Simulator & Controller
- Automatic Repeat Protocol for Distribution Automation System through Power line Communication
- Automatic Rolling Shutter Opener with RF Remote Control
- Cell Phone based Remote Car Starter
- Automatic Room Light / Cooling System Controller with Visitor Counter
- GSM based Irrigation Control System
- Automatic System for Measuring & Controlling the Length of a Moving Product in Industries
- Automatic Vehicle Location Tracking, Collision Avoidance with Dual Communication using RF
- Automatic Vehicle Locator (AVL) using Global Positioning System (GPS)
- Automobile Exterior Safety System
- Development of Zigbee based Street Light Control System
- Autonomous Navigation Tool (A.N.T.) - GPS based Navigation
- Intelligent Robots Need - Intelligent Vision: Visual Perception

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- Intelligent, Automatic & Modern Traffic Light Controller based On Traffic Density
- Autonomous Robot with Obstacle Avoidance, Drive Wheel
- Autonomous Stabilization System for a Coaxial Helicopter
- Bio-Finger Sensing Gate Opener for Security
- Development of Zigbee-based Electronics Ballast System
- Biometric Bank Locker System for Manager and Customer
- Design and Implementation of Home Automation using CAN
- Design and Digital Monitoring of Uninterrupted Power Supply
- Bio-On Chip (B-Chip) Micro Miniaturized Wearable / Body Area Network for Wireless Patient Monitoring
- Cable Fault Finder for Electrical Transmission Lines
- Categorized Alarm Annunciation with Voice Annunciation and Controls
- Cell Phone to Cell Phone Appliance Control System
- Closed Loop Dc Motor Speed Controller
- Communication Issues in Distributed Multisensory Robotics
- Computer based Wireless Control System of Devices
- Computer Keyboard Dual Controller for Switching Electrical Devices
- Computerized Train Control System

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- Embedded Controller for Non Linear Partially Interacting Process (NIPIP)
- Control of Pc DTMF Technology via Mobile Phone
- Crane & Lift Operation Controlling and information System
- Customers First- EVI Improving Driver information
- Embedded Microcontroller based Weighing Analyzer using Load Cell
- Design a Wireless Sensor Network for Methane Monitoring System
- Embedded PIC Microcontroller based PH Controller for Sugar Industries
- GSM based Home Security System to get intrusion Alerts Like Door/Windows Open Alerts onto Your Cell Phone
- Detection and Security System of Illegal Wireless Transmission
- Intelligent E-Police and Traffic Violation Automatic Recorder System for Modern City Traffic using Most Advanced Wireless Sensor Technology in Real Time
- Diagnosis of Fault Distribution Transformer
- GPS and GSM based Real Time Bus/Train Location Finder and Display on Earth's Map
- Digital Combination Lock for Security Applications
- Embedded System based Inter Locking System of Electromagnetic Doors Chemical, Cement & Pharmaceutical Industries

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- Digital Steam, Pressure and Liquid Level Monitor
- Digital Surface Distance / Length Measurement using Microcontroller
- Distributed Multi Area Power System Load Flow Monitoring
- GSM and GPS based School Kids Tracking System.
- Dynamic & Automatic Programmable Temperature Control System for industrial Machineries Safety Control System
- Dynamic Robot Networks for Search and Rescue Operations
- Dynamic Security and Access Control System for 5 independent Zones
- Intelligent “Prescription Drugs Abuse” and Addiction Control System using RF / Proximity Cards
- E- Seal Applied in Fragile Safety in Transport, Real Time
- E-Driving License and intelligent E-Police Applied in Modern Electronic Travel Aids – ETA
- Embedded based Level Controller with Two Tanks with Transparent Level Display
- GPS & GSM based Real Time Vehicle Tracking System
- Embedded Microcontroller based Transformer Oil Testing Machine
- Implementing Process Control & Monitoring System using Can
- In Amusement Park / Visitor using Super RFID with in/Out Time

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- Enterprise Security using USB Fingerprint Scanner
- Intelligent & Advanced Digital Wireless Audience Polling System for Quiz Program
- E-Ticket Applied in Monitoring and Management Evaluation
- Feeder Protective Relay Monitoring and Data Logger
- GSM based Highway Road Traffic Monitoring System.
- Interactive Environmental Air Pollution Monitoring Automatic Phone Dialing System
- Frequency Division Multiplexing for a Multi-Sensor Wireless Telemetry System
- Frequency Locked Loop Dc Motor Speed Control
- Fully Automatic E-Filing System with Location, Tracking Applied in Real Time Single Window System for Modern Govt. / Document / File Management
- Garment Conveyor Remote Controller
- GIDS – A System for Combining RFID-based Site information and Web-based Data for Virtually Displaying the Location on Hand Held Devices
- Glucose Level Monitoring and Predicting System
- Intelligent & Automatic Fire Security System using Interactive Voice Decoder and Telephone Line
- GSM based Automatic Irrigation Water Controller System
- Guardhouse Visitor Screening Security System

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- Handheld Electronic Voting Machine & Data Retrieval System
- RFID based Valuable Objects Insurance Identification
- Microcontroller based Moving Person Place Detecting System (MPP)
- RFID based Patient Monitoring for Icu's
- RFID based Toxic Waste Monitoring
- Highway Car Accident Identification and Auto Communication to Patrol or Hospital
- Microcontroller to Microcontroller Communication with LCD
- Hi-Tech Car with Remote Camera for the Police
- Intelligent & Dynamic Power Saver & Control System for Industrial Electrical Equipments
- Humidity Monitoring and Pump Controlling System
- Microcontroller based intelligent Multi-Timer System for industrial Automation
- IGBT based Dc Motor Drive Control System
- Implementation of Device Status Monitoring and Controlling using Telephone Lines
- Intelligent Car Antitheft System
- Intelligent Escort Robot Moving Together with Human
- Internet-Enabled Calibration Services: Design of a Secure Calibration System

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- IVRS based Automatic E-Filing Tracking and Monitoring, Localization, Tracking Applied in Modern Administration Automation using Super Active RFID and Remote Access through Telephone Line
- Location based Human Identification and Tracking System using RFID
- Microcontroller based GPS Navigator with Google Earth interface
- Miniature Wireless Sensor, MEMS based, Application in Cold Chain (Food/Medicine Process) Logistics with Real Time Temperature Data Storage and Remote Data Access using Super RFID
- Mobile to PC interface for Controlling of Devices using interactive Voice Response System
- Model Railroad Automated Track Inspection Car
- RFID based Equipment/Personnel Tracking in Hospitals
- Modern Wireless Entry / Exit Register & Alarm Display System for Advanced Amusement Park
- Monitoring of Emission Measurements using Wireless Technology
- RFID based Multi Usage / Purpose Card System Design & Implementation
- Mosfet based Current Mode Control Buck / Boost Converter
- Most Advanced Digital Wireless Two Wheeler Security System with Remote Starter

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- Motion Detection, Robotics Guidance and Proximity Sensing using Ultrasonic Technology
- Multi Boiler Management & Controller with Auto Failure Indicator – Pcs
- Multi Zone Fire Alarming Control Panel with Zone Location, Auto Dialer to Fire Station
- Multiple Programmable Batch Event Counter with Conveyor Belt Arrangement
- Neural Implementation of Energy Consumption in Power Distribution
- RFID based Gas Cylinder Identification
- Non intrusive Load Monitoring and Diagnostics in Power Systems
- PCB Drilling System using Robot Known as Cartesian Robot
- People / Patient Tracking and Management System for Hospital /Factory using Wireless Network System
- People / Visitors Tracking and Management with Area Localization / Monitoring and Warning System using E-Ticket and Super RFID for Amusement Park / Child Care / Play School in Real Time
- Performance Evaluation of Operational Parameters on RFID Controlled Conveyor System
- Personnel and Equipment Locating System and Tracking for Mining Solution using Super Active RFID Network Technology in Real Time

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- Solar based Energy Saver Controllers
- Solar Cell Voltage Generation with Auto Tracking System
- RFID based Food Production Control
- Pressure Sensor and Trigger System for industrial Application
- Production Automation and Control, Innovative Future Manufacturing
- Public Address System Controller - Automated Timing & Music System
- Radio Frequency Foot Pressure Measuring System
- Radio-Controlled Surveillance System for Borders and Restricted Areas – Flying Helicopter Ariel View System
- RFID- based (SCEM) Supply Chain Event Management as (AIDC) An Automatic Identification and Data Capturing Technology
- Real Time Mid-Air Fight Collision Avoidance System with Auto Warning and Flight Id, Position, Monitoring through Radio Frequency Link and PC
- Real Time Passenger information System (RTPIS) using Zigbee Technology
- RFID based Car Security Systems
- Solar Powered Bike, Solar Power based Two Wheeler Systems
- Solar Powered Car, Solar Power based Car Navigation System
- Remote Camera Controller for Security Application using Servo Motor

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- Remote Control of Pc/Computer using GSM Modem or Cell Phone
- Remote Power On/off Control and Current Measurement for Home Electric Outlets based on a Low-Power Embedded Board and Zigbee Communication
- Remote Robot Control System based on DTMF of Mobile Phone
- Remote Shutter Opener with Code Lock
- Remote Wireless Wind Speed Meter for Modern Remote Weather Monitoring Station with Digital Read Out
- Research of Remote Real Time Monitor System for Electromechanical Equipments based on Internet
- RFID based Automated Airline Baggage Systems
- Solar Water Heater Controller with Temperature Display
- Solid State Switching to Replace DOL Starters
- RFID based Parking Lot Access and Control, Vehicle Tracking in Rental Lots
- RFID – based intelligent Books Shelving System.
- Solar Powered Fence - Electrified Perimeter Fencing Systems
- Solar Powered Traffic Signals
- RFID based Blood Analysis Identification
- RFID based Vehicle Tracking and Monitoring System
- RFID Fare Verification - Rf-Id Bus Pass System

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- **Robotics Assistance to Protection Services: Users Requirements**
- **Robust Environmental Sound Recognition for Home Automation**
- **Room Humidity Checking with Air Conditioner Cooling Effect Controlling System**
- **Route Selection for Vehicle Navigation and Control**
- **Sea Navigation for Rescue Operations using Microcontroller**
- **Secret Codes & Secured Messages Transmission System through Telephone Line**
- **Sensor Rich Tele-Operational Mode Robotic Bush Fire Fighting**
- **Shopping Path Analysis and Transaction Mining based On RFID Technology**
- **Shortest Travel Distance for Full Reads on Least RFID Friendly Carton Stacking Configuration using Advance Doe Technique & Age Reproducibility & Repeatability**
- **Simultaneous Localization, Mapping and Moving Object Tracking**
- **Single Phase integral Cycle Inverter using Mosfet**
- **SIP-RLTS: An RFID Location Tracking System based On Sip**
- **Slip Ring induction Motor Drive with Slip Recovery using IGBT**
- **Smart Card based Human Identification and Personal Management System**

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- **Smart Cars for Physically Challenged / Disabled**
- **Smash – Smart Medical Automated System Handheld Device with Wireless Technology**
- **Solar based Computerized Irrigation System**
- **Spy Camera Detector for Safety Application**
- **Standalone GPS Coordinates (Latitude, Longitude) Locater**
- **Super Active RF Tag based Long Range Vehicle Data Access System for Traffic Monitoring with Multi Direction, Speed and Id for Automatic Data Access, Monitor and Analyzing**
- **Super Active RFID Applied in Cold Chain Logistics / Transportation with Temperature Reading and Monitoring in Real Time**
- **Super RF Tag and Local Area Wireless Net Work Applied in Supermarket for Item Searching, Localization Guide and Purchase Goods Access and Automatic Bill Registration in Real Time**
- **Super RF Tag Applied in Hospital and Medical Care industry for Locating Major Assets and Personnel in Real Time using Miniature Active RF Network**
- **Super RF Tag Applied in Supply Chain & Logistics industry of One End Solution for Multiple / Combination of Data Process for Modern industry**
- **Super RFID Applied in Automatic Visitor / Tourist Guide information for Personnel Announcement and Visitor Evaluation System Replacing Conventional Guide**

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- Supply Chain Asset Management and Warehouse / Stock Goods Searching System with Super Active RFID using Sensor Network
- Testing Multi-Robot Systems for Operation in Risky Environments
- Testing of Aircraft Box and Accessories before Take off
- The Watchdog - Robot inspector for An Area That Is Prone to intruders and Possible Fire Hazards
- Thyristor Controlled Heating System with Model
- Ticket Dispenser & Entry Lane Control Tower for Parking System
- Towards a Unified Location Tracking System for Heterogeneous Industrial Environments
- Towards the Autonomous Navigation of intelligent Robots for Risky Interventions
- Traffic Control System for Effective Ambulance Service – Design & Implementation
- Unmanned Automatic Target Approaching Vehicle Applied for Blind using Super Active RFID
- Usability Analysis of a PDA-based User interface for Mobile Robot Teleoperation
- Utilizing RFID Signaling Scheme for Localization of Stationary Objects & Speed Estimation of Mobile Objects
- Advanced Radar Jammer for Military Application

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- Anti Bomb Explosion Frequency Jammer
- Cell Phone Booster / Repeater
- Practical Implementation of Full Band Radio Jammer for Security Application
- Aircraft Airbox Ground Tester with Aircraft Accessories
- Wireless Aircraft Automatic Landing System
- Application of Fuzzy Logic in Intelligent Traffic Control Systems
- Automatic Auto Head Lamp Dim - Dip, Bright Illumination, Brightness Control System of A Vehicle
- Design and Practical Implementation of Internet based Predictive Control of A Servo System
- Digital Tachometer using IR Optical Encoder Sensor
- Electronic Switching System Tackling Power Cut using PIC and I2c EEPROM
- Fault Location using Remote Connection, with Immediate Voice Feedback
- Industrial Power Management System
- Multi Channel Temperature Measurement and Controller
- Multichannel Voltage Scanner and Control using SCADA
- PID based Temperature Controller
- Power Line Monitoring with Seven Segment Display

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- Intelligent Power Factor Indicator & Correction with Multiple Capacitor Banks
- Power Generation Through Solar Photovoltaic with Light Level Indication
- Protection of Turbo Alternators - Generator Protection
- Quasi Resonant Converter Fed DC Drive
- Remote Mobile Phone based Motor Starter for Irrigation Purpose
- SCR based Equipment Protection for Power Monitoring
- A New Simplified Multilevel Inverter topology for DC-AC Conversion
- Boost DC-AC Inverter: A New Control Strategy
- Data Acquisition System for Large Electrical Drive
- Electrical Network Automation & Communication Systems
- Electronic Numeric Key Board Cum Motorized (Mechanism) Safety Locker System with Electronic Security System
- Energy Saver for Auditoriums
- Fault tolerant Neuro Controlled Level Processing Panel
- IGBT based PWM Inverter using Microcontroller
- Measurement of the Radio Frequency Signal of A Circuit-Breaker
- Programmable Temperature Control System

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- **Microcontroller based Measurement of Current, Voltage, Power Factor and Temperature**
- **Multichannel Petrochemical Fire Sensor, Monitoring and Control System with Automatic Telephone Dialing**
- **Power Line Fault Analysis, Monitoring and Load Sharing System**
- **Remote Access Control and Automation System for Electrical Appliances using Telephone Line**
- **Centralized Electricity Billing Through Power Line**
- **Centralized Electricity Billing Through Telephone Line**
- **Electricity Billing System Automation with IRC Reader**
- **Soft Starter and Energy Saver for 1-Phase Induction Motor using Bidirectional Voltage Regulator**
- **Fault Location using Remote Connection, with Immediate Voice Feedback**
- **Energy Management System for Pulse Output Meters**
- **Development of Human Machine Interface using any SCADA Package**
- **Fault Prediction in Quasi-Steady System with SCADA for Pressure & Flow**
- **Multichannel Voltage Scanner and Control using SCADA**
- **Remote Digital Rpm Indicator using Proximity Or Magnetic Pick Up – SCADA**

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- Remote Frequency Indicator with SCADA
- Remote Terminal Unit (RTU) & PLC System
- SCADA based Temperature Measurement & Control System
- Application of Fuzzy Logic in Intelligent Traffic Control Systems
- Control of Boiler Turbine Unit based on Fuzzy Logic System
- Fuzzified Computer Automated Crane Control System
- Fuzzy Logic based Control of Level in A Non-Linear Tank
- Fuzzy Rule based Object Identification Methodology for Navy System
- Fuzzy Speed Control of AC Motor using Microcontroller
- Intelligent Application of Fuzzy Logic in Automated Train Speed Control System
- Efficiency Detector for Relay & Circuit Breaker
- Single Phase Multilevel Inverter SPWM with PC Interface and OLM
- Wireless DC Motor Speed Control using Triac
- Single Phase Input to DC Output – DC Motor Drive-Armature Voltage Control
- Single Phase Thyristorized Power Controller for Industrial Applications
- Microcontroller based Firing Circuit for Thyristor Converters

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- **A Novel Optimum Operating Point Tracker of the Solar Cell Power Supply System**
- **Solar Energized Artificial Intelligent Embedded Line Tracking Follower Robot**
- **Solar Power for Automatic Water Heating / Solar Energy for Electrical Applications**
- **Solar Powered Wireless Weather Station**
- **Automatic Vehicle Speed Management System**
- **CAN based Collision Avoidance System for Automobiles**
- **Control of Process Parameters in Industries using CAN**
- **Implementation of Air Bag System in a Vehicle**
- **Monitoring of Engine Parameters**
- **Speedometer Implementation using CAN**
- **Train Engine Automation System**
- **Wireless Crane Control System using PC**
- **High Speed Object Counter**
- **Maximum Demand Indicator & Controller**
- **Multi Channel Temperature Measurement & Controller**
- **Multiple Industrial Timer**
- **PC based Multi Channel Temperature Controller & Logger and Data Analyzer**

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- Single Channel Temperature Measurement & Controller
- Ultrasonic Distance Monitor & Range Finder
- Water Control System for Rolling Mill
- Liquid Level Remote Transmitter
- Digital Temperature Indicator & Controller with DAS & Analyzer
- Multi Channel Temperature Scanner using Current Loop Transmission
- De-Icing Temperature Controller System PC based Multi Channel Temperature Controller & Logger and DAS Analyzer
- Temperature Measurement & Controller for Furnaces with Different Time Period & Set Points
- PC based Programmable Temperature Controller for Furnaces
- Digital Ph Measurement & Controller Meter
- PC based Programmable Temperature Controller for Cement Plant
- Fluid Level Monitoring System
- CAN based Collision Avoidance System for Automobiles
- Control of Process Parameters in Industries using CAN
- Speedometer Implementation using CAN
- An on-Line Distributed System for Improved Real-Time Process Performance

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- Design Criteria for Obstacle Avoidance in A Shared Control System
- Design Methodology for Modeling A Microcontroller – Teleload Switch
- Digital PID Controller for Multi Channel Temperature using Frequency Response / Root Locus Technique
- Digital Temperature Indicator & Controller with DAS & Analyzer
- Fuzzy Logic based Traffic Light Controller
- Industrial Annunciator with Voice, Alarm
- Multi Burner Management & Controller with Auto Flame Detection & Failure Indicator
- PLC based Automatic Boiler Management
- PLC based Control of Advertisement Display
- PLC with Internal Locking System and Control
- Multi Channel Temperature Measurement and Controller
- PID based Temperature Controller
- Temperature Monitoring and Control System with Automatic Equipment Control using Computers
- Thermal Overload Protection for Transformer
- Computerised Thread Mill Implementation
- Conveyer Belt Monitoring & Control System

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- **Flow Totalizer - Computerized Flow Totalizer for Juice Industries**
- **Textile Industries based Programmable Label Cutting Machine**
- **Wireless Crane Control System using PC**
- **Automated Weigh Load Cell**
- **Automatic Motorized Electromagnetic Glass Door Open / Close Mechanism**
- **Batch Weighing & Automation System**
- **Commercial Weighing System**
- **Multi Axis Stepper Controller / Driver with Opto Isolation**
- **Multi Axis Stepper Robotics with Artificial Intelligence**
- **Stain Gauge Weighing System**
- **Tank – Hopper Weighing System**
- **Textile Industries based Programmable Label Cutting Machine**
- **Two Axis Stepper Controller / Driver with Opto Isolation**
- **Wireless Crane Control System using PC**
- **Advanced Collision Avoidance Solar Powered Robo Car with Automatic Charger**
- **Automatic Plant Irrigation Robot with Self-Guided Action for Agricultural Application**
- **Automatic, Advanced Robotic Arm for Welding in Automated Assembly Line**

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- Hyper Line Tracking Control of Robotic Car using Track Sensors for Industrial Application
- Non GPS Navigation with the Personal Dead Reckoning- Pdr System
- Self Direction Detected and Guided Robotic Vehicle with Magnetic Compass Navigation
- Visual Servoing and Multi Directional Light Signature Sensing and Approaching Robot with Edge Detector for Tunnel Application

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