PROJECTS BASED ON
* AGRICULTURE PROJECTS
* AUTOMATION PROJECTS
* AUTOMOBILE PROJECTS
* AUTOMOTIVE PROJECTS – CAN BASED
* CONSUMER PROJECTS
* CONVENTIONAL PROJECTS
* HYDRAULIC PROJECTS
* MECHANICAL PROJECTS
* MECHATRONICS PROJECTS
* MEMS PROJECTS
* MODEL BASED PROJECTS
* NON-CONVENTIONAL PROJECTS
* PNEUMATIC PROJECTS
* PRODUCTION PROJECTS
* ROBOTICS PROJECTS

IC’S AND INDUSTRIAL STANDARD

SENSORS USED IN PROJECTS
* Water Identifier Sensors
* Color Sensors
* Pressure Sensors
* Flow Sensors
* Ultrasonic Sensors
* RF Tx / Rx
* Zigbee Modules
* EM Locks
* Vacuum sensors
* Digital Compass
* Acceleration Sensor - 3 Axis
* CAN IC
* MEMS IC
* Fire Sensor
* Temperature Sensor
* Speed sensors
* Level sensors
* Industrial proximity sensor
* Vibration sensor
* Glass braking sensor
* Accelerometer
* Liquid / Moisture Sensor
* PIR Sensor
* Gas Sensor
* CO2 Analyzer
* Digital Pressure Sensor
* Digital Temperature Sensor
* GPS Receiver
* GSM / GPRS Modems
* Bump Sensor (Touch Sensor)
* Sound Detecting Sensor
* Voice IC
* Force Sensor
* Beam Sensor
* DC Motor
* AC Motor
* Servo Motor
* Stepper Motor
* Color Mark Sensor
* Fire Ball
* Metal Sensor

* Automated Car (Vehicle) Parking System in Multi Story
* Safety Auto Brake System for Hill Station Vehicles
* Foot Power Generation System with Mechanical Model
* Fork Lifting Robot – Smart Lifter Implementation
* Water Detection Robots – A Helping Tool in Agricultural industry
* Hovercraft – Design & Implementation
* Sensor Based Automatic Paint Marking Machine for Roads
* Sensor Operated Paper Counting Machine
* Safety Overload indicator for Automobiles
* Textile industries Based Programmable Label Cutting Machine
* Design of Pneumatic Braking System
* Automatic Gate Opening / Toll Collection System (Model)
* Complete Automation of Automobile Control System using CAN
* Design of Pneumatic Hacksaw
* Design of Pneumatic Lifting
* Remote Controlled Dish Antenna Tracking System
* Automatic Power Generation from Speed Break
* Staircase Climbing Robot Design & Model
* Automatic DAM Water Level Monitoring and Shutter Controller
* Automotive - Design of Engine controllers, anti-lock brake controllers
* Design of Yarn Breakage Detector
* Fuzzy Logic based Lift - Elevator Control & Management System
* Garment Conveyor Remote Controller
* Wall Follower Robot with the Help of Multiple Artificial Eyes
* Grass Shredding Robot with Automatic Control
* Design of Exteriors Safety System
* Automatic Scrap Collecting Vehicle
* Walking Robot with Line Tracker using IR Sensors for Uneven Terrain
* Can based Car Security System
* Automatic Paint Spraying Equipment
* Design & implementation of PVC Pipe Length & Cutter
* Solar Powered Air Compressor
* Solar Powered Live Stock Watering System
* Solar Powered Water Pumping Station
* Stain Gauge Weighing System
* Design of Stirling Engine
* Tank – Hopper Weighing System
* Three Axis Pneumatic Modern Trailer
* Three Side Tipper Open System for Goods Carrying Vehicle
* Two Axis Stepper Controller / Driver with Opto Isolation
* Tyre Position Monitor System – Safety Precautions
* Implementing Vehicle Exhaust Emission Testing
* GPS - Land Vehicle Navigation using GPS
* Voice Operated Vehicle for industrial Purpose
* Converyer Belt Monitoring & Control
* Fabrication of Hydraulic Power Plant
* Programmable Surface Cleaning Robot using Blowers
* Road Marking Machine for Cable Laying
* Accident Avoiding System for Heavy Cutting Machine
* Active Crawling Robots for Security Application – Snake Robots
* Design& Implementation of Display Panel for Electric Vehicle (Battery Voltage, Remaining Hour, Speed, The Value of Run)
* Drilling Robots - Electronic Carpenter Enhancement
* Color Identification & Splitting / Sorting System with Conveyor Model
* Commercial Weighing System
* Computerized Thread Mill
* Human Fall Protection System using Wearable Airbags using MEMS Accelerometer
* Computerized Flow Totalizer for Juice industries with Model
* Control of Process Parameters in industries using Can
* Conveyor Belt Sequential Timer Controller with Model for Bottling Plant
* Design and Fabrication of Escalator
* Design and Implementation of Solar Energy based Vehicle
* Dish Position Controlling and Monitoring System used for Radar & Other Telecommunication Applications

* Fabrication of Automatic Jack

* Fabrication of Pipe Thread Cutting Machine

* Fabrication of Wind Energy Vehicle

* Seed Sprayer Robot - Unmanned Remote Controlled Flying Machine for Agriculture Application

* Watchdog / Sniffer Robot – interfaced with Multiple Sensors (Gas, Smoke, intruder)

* Solar Operated industrial Trolley

* Land Mines Detecting Robot

* Line Follower Robot – Design & Implementation

* Lunar Rover Robot – Design & Implementation

* Vibration Alarm System for Vehicle

* Fabrication of Motorized Crane

* Fabrication of Motorized Jack

* Multi Axis Stepper Controller / Driver with Opto Isolation

* Cell Phone Based Water Spray Robot for Plants

* Automatic Packing Control Machine for industrial Application

* Automatic Pressure Control Valve Open and Closed System

* Automatic, Advanced Robotic Arm for Welding in Automated Assembly Line

* Batch Weighing & Automation System
* A Predestined Multi Axis Aeronautic System using Mems for A Prototypic Free Fall Detection Phenomenon

* Advanced Collision Avoidance Solar Powered Robot Car with Automatic Charger - Seek for Sun Light and Charges when the Battery Goes Down

* Advanced Human Detecting and Self Guided Robotic Waiter for Hotels

* Advanced Robotic Vacuum Cleaner with Wall Sensors and RF Remote Controller for Systematic Cleaning

* Anaconda, The Robotic Fire Fighter

* A Multi-Agent Multi-Sensor Based Real - Time Sensory Control System for intelligent Security Robot – Sound & PIR Sensing

* A New Generation of Military Robots Tanker Robot

* A Novel Rear-End Collision, Accident Avoidance, Distance Measuring using Ultrasonic Technology

* A Robotic System for Underground Coal Mining

* A Wireless Bio-Implantable Device for Monitoring Vital Body Parameters of Transgenic Mice with MEMS Technology

* Advanced Miniature Based Wireless Camera Monitoring System for Wildlife Application

* Advanced Parachute Deployment System using Mems Free Fall Detector and I2c Protocol

* An Assistive Robotic Device that Can Synchronize To the Pelvic Motion During Human Gait Training

* Antitheft System using I2c inertial Mems Sensor and Zigbee using Controller

* Automatic Plant Irrigation Robot with Self-Guided Action for Agricultural Application

* Automotive Crash Detection and Airbag Deployment using Mems Accelerometer

* Climbing and Walking Robot for Uneven Terrain and Disaster Area Application

* Cockpit Whitebox

* Density Traffic Analyzer - Traffic Control System for Ambulance Service Design & Implementation

* Distributed Sensors Fusion for Object Position Estimation and Approaching by Robotic System

* Drishti: An integrated Navigation System for Visually Impaired and Disabled

* Hyper Line Tracking Control of Robotic Car using Track Sensors for industrial Application
* I Protect – integrated Vehicle Tracking and Communication System with Vehicle Command Unit – An Ultimate Tool for Tracking, Real Time Monitoring

* Intelli Mobile Robot for Pick & Place using Color Sensor

* Library Robot - Path Guiding Robotic System with Artificial intelligence - Autonomous Assistant Robot for Book Manipulation in a Library

* Most Advanced Land Rover with Wireless Remote Control using Pc with Camera and Solar Cell Power

* Most Advanced Self Guided Pedestrian Crossing Robot for Blinds and Elderly Persons

* Motion Activated Power Saving System using Mems Accelerometer and I2c Protocol

* Nomad Robot for Exploration Application for Geo Studies

* Self Direction Detected and Guided Robotic Vehicle with Magnetic Compass Navigation

* SMS Based Smart Image Capturing Robot with Sensors Network

* Assist - Surgery Assisted Robot

* Ultrasonic Based Parking Guidance System

* Visual Surviving and Multi Directional Light Signature Sensing and Approaching Robot with Edge Detector for Tunnel Application

* AI Based Fire Fighting Robot for Relief Operations

* AI Based Mobile Robot for Multi Specialty Operations

* Alive Human Being Detector in War Fields / Affected Areas using WAP with Model & Camera – PIR Sensor for Rescue Operations with 2 Way Communication

* Anti Bomb Explosion Frequency Jammer

* Anti Collision System in Railway & Location Monitoring using GSM and GPS – intelligent Train System with GPS

* Cell Phone Controlled AI Based Five Axis Robot for Multi Specialty Operations

* Application of Fuzzy Logic in intelligent Traffic Control Systems

* Auto Head Lamp Dim / Bright Illumination, Brightness Control System

* Automated Weigh Load Cell

* Automatic Anesthesia Controller using infusion Pump with Heart Beat Rate
* Automatic Collision Avoidance and Real Time Distance Monitoring
* AI Based intelli Mobile Robot for Pick & Place using Color Sensor
* Automatic Motorized Electromagnetic Glass Door Open / Close Mechanism
* Automatic Railway Track Crack Detecting Vehicle
* Automatic Visitor Guided with Material Handling System
* Automatic Wiper with Dim, Dip Feature
* Autonomous Flying Robot with Firing / Fighting, Smart Flying Weapon – Unmanned Autonomous Vehicle
* Botrobo – Tanker & Sound Detecting Robot
* Apartment Elevator – Portable Lift for Carrying House Hold Items
* Blind Stick – Path Planning for Blind Person
* Can Based Collision Avoidance System for Automobiles
* Cell Phone Based Materials Handling Robot
* Cell Phone Based Robot Direction & Alive Human Detecting
* Cell Phone Based Tanker Robot with Camera Feature
* Cell Phone Controlled AI Based Three Axis Robot for Multi Specialty Operations
* Cell Phone Controlled Fire Fighting Robot for Relief Operations
* Mobile Jammer - Implementation of Highly Effective Mobile Cell Phone Jammer
* Collision Avoidance by the Fusion of Different Beam-Width Ultrasonic Sensors & Rescue Robot using PIR Sensor
* Firebot Design of An Autonomous Fire Fighting Robot
* Design & Development of Voice / Tele-Operated intelligent Mobile Robot
* Design & Implementation of Real Time Security Guard Robot using GSM CDMA Networking
* Design and Development of Bomb Detecting Robot
* Design and Development of Obstacle Sensing and Object Guiding Robot
* Automatic Human Seeker Robot with Human Body Heat Scanner
* Development of Smart Notice Board – Active information Display Systems using SMS
* Digital Dash Board (Temp, Fuel, Pressure, Speed)
* Digital Locking System for Material Handling Vehicle
* Cell Phone Controlled Smart Image Capturing Robot
* Digital PID Controller for Multi Channel Temperature using Frequency Response
* Distance Monitoring and Object Detecting Robot By Radio Frequency Technology
* Effective Signal Frequency Jammer System for Security & Protection Collision Avoidance and Metal Detection
* Development of Speech Control Robot
* Electronic Braking System
* Electronic Nose for Robotics
* Electronic Speedometer using inertial Mems Sensor and I2C Protocol
* Embedded GPS Based Vehicle Tracking System
* Error Eliminating Rapid Ultrasonic Firing for Mobile Robot Obstacle Avoidance
* Fire Ball for Fire Extinguishing with Robot Model
* Fire Fighting Robot using Ultrasonic Technology
* Fire Sensing Robot with Auto Dial-Up Facility & no Extinguisher
* Flow Totalizer - Computerized Flow Totalizer for Juice industries
* Gas Detection Robot for Atomic Power Station
* Gas Leakage Detecting Robots
* GPS – Design & Implementation of 2 Way Communication System with Transmit & Reception of Data using RF
* GPS - Route Tracking System using Pc with 2 Way Dual Channel Communication, GPS & GSM Based Accident Alarm System
* GPS & GSM Based Accident Alarm System
* AI Based intelli Robot for Materials Handling
* GPS Based Accident Prevention System
* GPS Enabled Pc Based Geographic information System (GIS) & Routing Scheduling System
* Group Elevator Scheduling, Fuzzy based
* GSM / CDMA / DCS Tri Band Jammer
* Image and Video Capturing and Pc Telecasting Robot using Zigbee
* Intelli Robotic Wheel Chair for Specialty Operations & Physically Challenged
* Intelli Robotic Wheel Chair for Specialty Operations with Key Operations and Advanced Path Planning Routing System
* Voice Controlled intelli Robot for Multi Specialty Operations
* Intelligent Fire Sprinkler System
* Intelligent Fuzzy Control Guided Vehicle with Collision Prevention – Ultrasonic Based Distance Monitoring and Fuzzy Based Collision Avoidance
* GPS GSM Based Aircraft Collision Detection & Avoidance
* Intelligent Remote Missile Path Guide Monitoring System for Military Application
* IVRS Based Control of Alive Human Being Detector with Voice Feedback
* GPS Based Air Craft Collision Avoidance
* IVRS Based Fire Fighting Robot with Camera
* SMS Based Remote Motor Starter for Irrigation in Agricultural Application
* SMS Controlled Device / Home Equipment Control System
* IVRS Based Pick & Place Robot Control with Response & Feed Back
* Voice Controlled Robot with interactive Voice Feedback for Materials Handling
* Measuring and Transmitting Vital Body Signs using Mems Sensor
* Voice Control / Speech Recognition Fire Fighting Robot for Relief Operations
* GPS Based Active Fleet Management - Automated Vehicle Tracking
* Motion Activated Wireless Video Capturing System for Security Wild Life Application
* Motion Controlled Password System for Compact Embedded Systems using Mem Sensor

* Microwave Spy Camera Jammer

* IVRS Robot for Multi Specialty Operations

* Motion Detection, Robotics Guidance & Proximity Sensing using Ultrasonic Technology

* Motion Operated Scrolling Display using Mem Accelerometer and I2c Protocol

* Multisensor (Smoke, Fire, Temperature, Gas, Metal, intruder) Based Security Robot - Zigbee

* Multisensor Rescue Robot with Fire, Temperature, Metal & Smoke Detection

* Non GPS Navigation with the Personal Dead Reckoning- PDR System

* Passenger information System using GPS

* Pc Controlled Advanced Wireless Robot Vehicle with Camera for Bomb Detection / Human Surveillance Application for Dangerous Areas

* 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

* PC Controlled Image Capturing and Transferring Robot

* Peritoneal Dialysis – Design & Implementation

* SMS Based Universal Motor Speed Controller

* Practical Implementation of Full Band Radio Jammer for Security Application

* Voice Controlled & Activated Wheel Chair Robot for Physically Challenged

* GPS Based Vehicle Parameter Monitoring with intelligent Data Analysis

* Rail Track inspector

* Remote Bomb Detecting Robot

* Remote Control of Multipurpose Robot & Robotic Arm

* Remote Controlled Water Splash Robot for Gardening

* Remote Guided Automatic Combat Gun Vehicle with Laser Target and 2.4ghz Wireless Camera Monitor

* Remote Zigbee Fire Detection & Extinguishing System

* Rescue Robot for Military Purpose with Voice Annunciation using PIR Sensor and Metal Detection
* GPS Based Highway Monitoring & Control

* RF - Remote Location Controlled Alive Human Being Detector Model

* 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

* Robotic Vision and Color Identification System with Solenoid Arm for Colored Material Separation

* Robust Balance Control of A One Legged, Pneumatically Actuated, Acrobat-Like Hopping

* SCADA Based Waste Water Treatment

* Self Guided Advanced Robotic Wheel Chair for Emergency Patient Transportation

* Ultrasonic Under Water Depth Measurement – Underwater Technology

* Self Guided Object Tracking & Following Mobile Robot for Factories & Mining Areas

* Signal Jammers for Security – Embedded with Mechanical Model

* Smart Solar Tracking System for Optimal Power Generation

* Smart Tanker Robot for Security Operations in the Protected Area with Wireless Secured Communication – Unmanned & Operative

* GPS Based intelligent Guided Vehicle with Collision Mitigation

* Smart Wind Mill Based Power Generation System for Mobile Charging

* SMS Based Alive Human Detector in Affected Areas / War Fields

* GPS Based Vehicle Accident Location information System

* Zigbee Enabled Alive Human Being Detector Model with Camera

* SMS Based Controller – Robot Control, SMS Controlled intelli Robot

* IVRS Based Robot Control with Response & Feed Back

* SMS Enabled Towards Command & Control Networking of Cooperative Autonomous Robotics for Military Applications

* Temple Security System -- Hi End Temple Security System with Frequency Jammer

* The Guide Can – Applying Mobile Robot Technologies To Assist the Visually Impaired
* Ultra Low Power Wireless Weather Station
* Ultra Sound Guided Collision Avoidance and Navigation Robotic System for Multiple Applications
* Ultrasonic Based Human Eye for the Blind
* Unmanned Aerial Photography using Remote Flying Robot for Defense Application
* Voice & Key Activated Control System for Persons with Disabilities
* Voice Based Path Control of Robot Via the Pc using F Communication Technology
* SMS Controlled intelli Robot Materials Handling
* Voice Control / Speech Recognition Alive Human Detector
* Voice Enabled Image Capturing and Transferring To Pc using Robot
* Walking Robot with infrared Sensors / Light Sensors / RF Sensor / Tactile Sensors
* Wall Climbing Robot
* Wireless Crane Control System using Pc
* Zigbee / RF Based Rail Track inspector
* Voice Enabled Pyroelectric infrared Sensor Based Security Alert System for the Safer Guarding
* Zigbee Based intelli Mobile Robot for Pick & Place Operations
* Zigbee Based Smart Vehicle System – Track, GPS Based Vehicle Tracking, Protection & Security System
* Painting robo
* CNC
* Groundnut Roaster
* Smart Conveyor Belt
* E-Jack
* Floor cleaner
* Tool Manager
* Smart Packing Machine
* Wall climbing Robo
* Machine vision robo
* Duct cleaning robo