

## MECHANICAL PROJECT LIST



### CORE MECHANICAL AND MECHATRONICS BASED PROJECT

CODE	TOPIC
MECH01	Cooperative Path Planning for Target Tracking in Urban Environments Using Unmanned Air and Ground Vehicles.
MECH02	Railway Track Pedestrian Crossing between Platforms (Movable and flexible railway platform).
MECH03	Design and Fabrication of Coconut Harvesting Robot: COCOBOT
MECH04	Autonomous Pose Detection and Alignment of Suction Modules of a Biped Wall-Climbing Robot.
MECH05	Development of Solar Dryer Incorporated With Evacuated Tube Collector.
MECH06	Innovative Multi Directional Wind Turbine.
MECH07	Automatic sky Car Parking System for apartment Building.
MECH08	Thermoelectric Based Dual Processing Control Using Embedded Controller.
MECH09	Solar Power Refrigerator System Using Thermoelectric Plate.
MECH010	Hybrid Power Generation Based Induction Heating System with Solar, Wind and Hydel
MECH011	Auto Metro Train to Shuttle between Stations and Station name announcement using FM radio signals.

MECH012	Remote Controlled Movable Crane, Can Handle 20kgs With Pick And Place Operation.
MECH013	Button Operated Automatic Gear & Clutch Shifting.
MECH014	Wind Power Based Refrigerator.
MECH015	Shock absorber power generation Automobile Engineering
MECH016	Silencer based power generation in two wheeler.
MECH017	Motorized Screw Jack For Car Lifting.
MECH018	Fabrication of Electric Scooter with Self Charging Dynamos.
MECH019	All-Terrain Vehicle with Planet Gear Mechanism.
MECH020	Solar Based Air Compressor Pump For Car Bike Tire Inflate.
MECH021	Hybrid Power Generation Based Portable Refrigerator.
MECH023	Solar Powered Rapid Water Heating System Using DC Induction Heating.
MECH024	Air Bag Crash Sensor Development Using MEMS.
MECH025	Solar Based Electric Car.
MECH026	Design Of Nano Crane.
MECH027	Solar Electric Scooter - Design & Fabrication
MECH028	Mileage Projector for Heavy Vehicles and Low Mileage Alerting Using Ultrasonic Range Finder.
MECH029	Solar powered Industrial induction principle based Boiler Controller With Temperature Display.
MECH030	Fabrication of hydroelectric power generation system.
MECH031	Non Conventional energy based Railway Track Pedestrian Crossing between Platforms.
MECH032	Solar powered boiler with Resonant Converter for Induction Heating Applications
MECH033	Stair climbing robot.
MECH034	Designing and development of Pedal Power Hacksaw Machine.
MECH035	Sensor based Gear Position Identification System

MECH036	Intelligent Autonomous four legged walking robot to operate on uneven surfaces
MECH037	Automatic rain operated wiper.
MECH038	Robot to rescue of a child in a borehole.
MECH039	Fabrication of solar powered Grass Cutting Machine.
MECH040	Voice actuated hospital bed control system and Heart Beat monitoring and alerting system
MECH041	Automatic Intelligent Object sorter with conveyor belt arrangement for color distinguishing and object count applications
MECH042	War field wireless spying Robot with live human and explosive detection having Sharp shooting weapon.
MECH043	Hybrid power generation using solar, wind and hydel and designing of high efficient inverter
MECH044	Development of painting robot using spray gun tool.
MECH045	Hybrid Power Generation using Solar, Wind and Piezo.
MECH046	Design of Location-Aware Selective Unlocking Mechanism via RFID and GPS.
MECH047	Energy Efficient Atomized Bottling Plant Using Plc And SCADA With Speed Variable Conveyor Assembly.
MECH048	Voice Operated Intelligent Elevator.
MECH049	Fabrication of Electric Two Wheeler with Rechargeable Battery.
MECH050	Fabrication of wind energy vehicle.
MECH051	Quick lifting jack with gear arrangement.
MECH052	Automatic break failure indicator and engine over heating alarm.
MECH053	Automatic track guided vehicle with high torque motors for industrial application.
MECH054	Remote controlled tilting wheel chair for physically disable.
MECH055	Anti theft system for bikes by wheel locking system.
MECH056	Automatic sprocket side stands retrieval in two wheeler.
MECH057	Automatic blackboard cleaner white board cleaner.

MECH058	Auto roll punching machine using Geneva mechanism
MECH059	Chair cum bed innovative mechanical development for physically challenged people.
MECH060	Electrical power generation system using railway track.
MECH061	Geneva mechanism based wheel conveyor belt
MECH062	Hand operated clutch for handicap car
MECH063	Low Cost Robotic Hand Gloves.
MECH064	Design And Implementation Of Multi-Sensor Versatile Robot.
MECH065	Intelligent Pollution Control System: Auto Ignition Cut Off For Automotives By Detecting Carbon Monoxide
MECH066	Advanced Fire Extinguisher Robot Controlling With Android Mobile Phone.
MECH067	Digital Compass Based Robot With Gun Position Fixing In A Particular Direction Based On The User Input.
MECH068	FAMPER robot with Video transmission and head lamp vision.
MECH069	Mechanical Walker robot with 2 high torque motors.
MECH070	Development of hanging train with automatic door opening system.
MECH071	Intelligently navigable Robotic vehicle for Industries using compass and RFID
MECH072	Construction of flying quad rotor with video surveillance system.
MECH073	Fabrication of Fully automated Drilling Machine
MECH074	SMS based vehicle ignition controlling system.
MECH075	Remote controlled air craft (flying model).
MECH076	Digital Compass and Magnetic Crane based Smartly Navigable Robotic Automobile for Industries
MECH077	Voice controlled material handling vehicle
MECH078	Solar Tracker Robot using Microcontroller
MECH079	Artificial intelligent based solar vehicle.

MECH080	Solar tracking system with automated water pumps controlling.
MECH081	Robust Railway Crack Detection Scheme (RRCDS) using LED-LDR Assembly.
MECH082	Automatic Vegetable (or) Lemon Cutting machine.
MECH083	Fabrication of Remote operated weapon system.
MECH084	Closed loop tire pressure monitoring and controlling system using pressure sensor.
MECH085	MEMS Accelerometer controlled tilt sensing for Avionics applications.
MECH086	Speech recognition based Wheel chair with elevated features.
MECH087	Automatic bottle washing machine.
MECH088	Solar based self powered high efficient Line following robot with obstacle avoidance.
MECH089	Obstacle Avoidance and Manhole detection Electronic travel aid Robot for blind
MECH090	Solar powered Train.
MECH091	Development of Two wheeler with tractor attachment.
MECH092	3 axis modern trailer using servo motors.
MECH093	Amphibious army robot with solar power.
MECH094	Automatic motorized 2 wheeler side stand retrieval.
MECH095	Automatic motorized Window.
MECH096	Break failure indicator.
MECH097	Development of rice polishing mechanism with high-speed DC motor.
MECH098	Fabrication of Power Line Inspection Robot with video surveillance (power line maintenance robot).
MECH099	Solar seed sprayer agricultural engineering
MECH0100	Development of speed breaker on time demand.
MECH0101	PIPE Inspection Robot With video surveillance system
MECH0102	Remote Operated Fork Lifter with 10KG lifting Capacity

EMECH1	Design & Development Of Hand Pump Operated Reverse Osmosis System For Drinking Water For Rural People
EMECH2	Fuel Control In 2-Wheelers To Prevent Fuel Theft Using Solenoids
EMECH3	UV Sterilization System For Pharmaceutical Industry With Unique Chamber And Lamp Fail Indication
EHS2	Implementation Of Solid State Mini Refrigerator With Thermoelectric Cooling Technology Using Peltier Plate & Solar Photo Voltaic Panel Power Supply System
EHS11	Design & Development Of Foot Step Operated Power Generation Using Linear & Circular Gear Coupling (Y To X Rotation Order Conversion Gear Assembly)
EHR17	Automatic Intelligent Industrial Object Sorter With Conveyor Belt Arrangement For Color Distinguishing And Object Count Applications
EHR18	Design And Development Of Pole Climbing Robot With 60 Rpm Geared Dc Motor Assembly
EHC14	Design And Development Of Antenna Positioning System With 10 Rpm Geared Dc Motor
EHR8	RF Controlled Robotic Boat To Travel In Water
EHR3	Robotic Arm With Base Rotation, Elbow And Wrist Motion With A Functional Gripper For Pick And Place Applications
EHR14	Head Movement Controlled Car Driving System To Assist The Physically Challenged
EHS8	Aerodynamic Wind Mill With Reverse Charge Protection For Rural Power Generation Applications With Battery Voltage Analyzers Using At89s52 MCU (IEEE 2012)
EHS10	Solar Based E-Uniform For Soldiers Who Work At Extreme High Temperature Or Extreme Low Temperature(Same Uniform Can Be Used To Warm Up Or Cool Down Body Temp)
EHS13	Microhydel Power Generation System From Building Roof Rain Water Flow To Power Ac / Dc Loads With Battery Reverse Charge Protection (IEEE 2012)
EH203	Petrochemical Level Indicator And Controller For Automation Of Cotton Purification Process In Spinning Mills Using 89s52 MCU

EH234	Design And Implementation Of Maximum Power Tracking System By Automatic Control Of Solar Panel Direction According To The Sun Direction (Model Sunflower)
EH221	Implementation Of Artificial Eye For Intelligent Line Following Robot Application
EHR4	Intelligent Autonomous Six Legged Robot To Operate On Uneven Surfaces
EHR5	Hand Gesture Based Wheel Chair Movement Control For The Disabled Using (Micro Electro Mechanical Sensor) MEMS Technology
EHR16	RF Based Farmer Friendly Agricultural Robot With Motorized Shovel Control System With Automatic Seed Dispensing System
EHS3	Solar Based Air Compressor Pump For Car Bike Tire Inflate
EHS4	Solar Based High Efficient Vacuum Cleaner Capable Of Capturing Even 40 Microns Small Dust
EHS12	Hand Cranked Dynamo Based Energy Generation System For Emergency Headlamp For Mining Workers And Engineers Who Work Under Ground And Dark Conditions
EHC13	Ferromagnetic Based Flame-Less Cooking Using Induction Heating Method With User Selectable Time Settings
EH248	Automatic Car Wash System With Conveyer Belt Arrangement
EHS17	Elevator / Lift Operated Power Generation By Mechanically Coupling The Geared Motor
EHS19	Design And Implementation Of Miniature Thermal Plant Using TEP Transducer For Industrial And Domestic Power Generation
EMECH4	Power Generation Using Two Wheeler Silencer
EH251	EEPROM Based Prepaid Water Metering Using Flow Meter And Auto Cut Off On No Balance
EHRF1	Biometrics Robotics Fish For searching water surface parameter