



FINAL YEAR PROJECTS

BE, ME, B. TECH, M. TECH,
MCA, BCA, B.SC, MBA

IEEE PROJECTS

MECHANICAL PROJECTS 2023-24

Mechanical Engineering

Mechanical engineering is a branch of engineering that deals with the development, production and distribution of mechanical devices. Mechanical engineers assess their work using motion, energy and force – ensuring designs work safely, efficiently and reliably, all at a competitive cost. Engineers who work with mechanical systems are key. Engineering professions rely on building technology to meet human demands. Many of today's most useful products and services probably owe their existence to the contributions of mechanical engineers. Health care, energy, global hunger, transportation, space exploration, climate change, and other issues fall into this broader category.

In addition, engineering is one of the best skills in using problem solving methods and applying them to the invention and manufacture of an entity. A mechanical engineer uses sophisticated design and analytical knowledge to bring an idea to life.

Why Are Mechanical Engineering Projects Ideas Important?

With engineering, we would have generators, elevators, engines and even air conditioning (AC). Although we may not even discover it, we probably use something mechanically modified on a daily basis. Engineering is key in manufacturing technologies, from cars to airplanes to refrigerators. It allows you to efficiently perform several daily activities and brings valuable technology to our modern society. It is one of the most important subdivisions of engineering because the various technologies we use on a daily basis would not be available without it.

Igeeks provides a lot of engineering project ideas in detail in all fields such as manufacturing projects, automotive engineering projects, automation and mechatronics related projects, mechanical projects related to manufacturing or industrial problems, mechanical projects related to machine design, agricultural mechanical projects, hydraulic and pneumatic mechanical projects.

At Igeeks, we are experts in engineering projects. Our professionalism and excellent results are our guarantee, and our specialists are the best on the market in several fields.

List of the best engineering project ideas 2023

Below is a list of the best engineering project ideas.

MECHANICAL PROJECTS LIST

LIST OF LATEST MECHANICAL PROJECTS:

ME	IEEE PROJECT TITLES ON MECHANICAL
IME001	DESIGN AND FABRICATION OF RIVER WASTE COLLECTOR
IME002	DESIGN AND FABRICATION OF TREADMILL BICYCLE
IME003	DESIGN OF AUTOMATED ROBOT FOR LINE MARKING ON A SPORTS FIELD
IME004	FABRICATION OF NONCONTACTING ELECTROMAGNETIC BRAKING SYSTEM FOR TWO WHEELER
IME005	AUTOMATIC ADJUSTABLE SOLAR PESTICIDE SPRAYING ROBOT FOR SITE-SPECIFIC AGRICULTURAL APPLICATION
IME006	DESIGN & FABRICATION OF AUTOMATIC DRAINAGE CLEANING SYSTEM USING SOLAR PANEL
IME007	TWO WHEELER OPERATED WATER PUMPING SYSTEM
IME008	AGRICULTURE BASED FRUIT PLUCKING VEHICLE BY USING JIMMY JIB CRANE SYSTEM
IME009	AUTOMATIC SELF CONTROLLED SEED SOWING ROBOT
IME010	CONTACTLESS EDDY BRAKING SYSTEM
IME011	DESIGN & FABRICATION OF EDDY CURRENT BRAKING SYSTEM
IME012	DESIGN AND FABRICATION OF DUAL SIDE SHAPER MACHINE
IME013	DESIGN AND FABRICATION OF PADDY HARVESTER USING SOLAR PANEL
IME014	ELECTRICAL POWER GENERATION USING SHOCK ABSORBER
IME015	FABRICATION OF ZERO FRICTION NON CONTACT ELECTROMAGNETIC BRAKING SYSTEM FOR TWO WHEELER
IME016	DESIGN AND IMPLEMENTATION OF MOTORCYCLE SPEED CONTROLLER SYSTEM FOR RESTRICTED AREAS
IME017	POWER GENERATION USING THERMO ELECTRIC GENERATOR BY WASTE HEAT ENERGY
IME018	SOLAR POWERED DUAL SIDE WATER PUMP USING SCOTCH-YOKE MECHANISM
IME019	SMART WASTE MANAGEMENT SYSTEM
IME020	WASTE SEGREGATION USING SMART DUSTBIN
IME021	DESIGN AND FABRICATION OF VERTICAL AXIS DOMASTIC WIND TURDINE
IME022	SOLAR WATER PURIFICATION SYSTEM THERMAL METHOD(SODIS AND DISTILLATION METHOD)
IME023	MULTIPURPOSE POWER TOOL DRILLING, GRINDING, CUTTING AND SHAPING WITH ONE MOTOR AT A TIME
IME024	FABRICATION OF CHAINLESS BICYCLE
IME025	A FULLY AUTOMATED FIRE FIGHTING ROBOT
IME026	AUTOMATIC BREAK CABLE DAMAGE DETECTION AND IGNITION AND FUEL LOCKING SYSTEM
IME027	COMPRESSED AIR POWERED CAR WITH REGENERATIVE AIR FILLING USING MECHANICAL ENERGY
IME028	AIR BRAKE SYSTEM USING ENGINE EXHAUST GAS
IME029	ELECTRICAL POWER GENERATION FROM WIND, SOLAR AND RAIN WATER
IME030	FOOT STEP POWER GENERATOR

IME031	FABRICATION OF SMART HYDROPHONICS WITH SOLAR
IME032	FABRICATION OF COVID - 19 SANITIZATION DRONE
IME033	FABRICATION OF 5 IN 1 MULTIPURPOSE AGRI - VEHICLE WITH STEERING
IME034	FABRICATION OF ROUGH TERRIAN ROCKER BOGIE MECHANISM
IME035	FABRICATION OF SOLAR POWERED OUTDOOR AIR PURIFIER WITH AIR MONITORING
IME036	FABRICATION OF AUTOMATIC TYRE INFLATION SYSTEM
IME037	FABRICATION OF SOLAR OPERATED SEED SOWING MACHINE WITH CLUTIWATOR AND PESTICIDE SPRAYER
IME038	FABRICATION OF MULTIPURPOSE ECO FRIENDLY MANUAL ROAD CLEANING MACHINE
IME039	FABRICATION OF BIOMETRIC BASED RATION VENDING MACHINE
IME040	FABRICATION OF BUTTON OPERATED GEAR SHIFTING IN 2 WHEELERS
IME041	FABRICATION OF VOICE OPERATED MOTORISED EXO SKELETON ARM
IME042	FABRICATION OF RAILWAY TRACK CRACK AND OBSTACLE DETECTION WITH IOT AND GPS
IME043	FABRICATION OF BLUETOOTH OPERATED STANDING WHEEL CHAIR
IME044	FABRICATION OF BLUETOOTH OPERATED MULTIPURPOSE AGRI-VEHICLE
IME045	FABRICATION OF WHEAT HARVESTING MACHINE

IME046	FABRICATION OF MINI POWER TILLER AND WEEDER
IME047	FABRICATION OF AUTOMATIC PNEUMATIC BUMPER AND BRAKING SYSTEM
IME048	FABRICATION OF AGRICULTURE WHEEL SPRAYER
IME049	FABRICATION AND DEVELOPMENT OF HYBRID ELECTRIC TWO WHEELER
IME050	FABRICATION OF EFFI CYCLE
IME051	FABRICATION OF COMPRESSED AIR VEHICLE (CAV)
IME052	FABRICATION OF VEHICLE SAFETY USING POWER WINDOW MECHANISM
IME053	FABRICATION OF WASTE SAPERATION USING SMART DUSTBIN
IME054	CAMOUFLAGE TECHNIQUE BASED MULTIFUNCTIONAL ARMY ROBOT
IME055	FABRICATION OF ANDROID OPERATED FLOOR CLEANING ROBOT
IME056	FABRICATION OF PNEUMATIC OPERATED EMERGENCY OVERWING EXIT SYSTEM IN AIRCRAFTS
IME057	FABRICATION OF ROCKER BOGIE MILITARY ROBOT
IME058	FABRICATION OF AUTOMATIC DISINFECTANT TUNNEL FOR COVID - 19 SANITIZATION
IME059	FABRICATION OF LOW COST MECHANICAL VENTILATOR FOR COVID PATIENTS
IME060	FABRICATION OF SOLAR POWERED BEACH CLEANING MACHINE
IME061	FABRICATION OF SOLAR TRACKING AND H-DARRIUS WIND TURBINE
IME062	FABRICATION OF AIR BRAKE SYSTEM USING ENGINE EXHAUST GAS
IME063	FABRICATION OF 3 AXIS PNEUMATIC TRAILER LIFT
IME064	EFFICIENT HYBRID POWER GENERATION USING HELICAL WIND TURBINE AND SOLAR TRACKING SYSTEM
IME065	FABRICATION OF HYDRAULIC TROLLEY FOR MATERIAL HANDLING
IME066	FABRICATION OF PENDULUM BASED WATER PUMPING SYSTEM

IME067	FABRICATION OF AUTOMATIC OXYGEN CONCENTRATOR FOR COVID INFECTED PATIENTS.
IME068	FABRICATION OF ANTI-RIOT DRONE WITH TEAR GAS AND LIVE VIDEO STREAMING
IME069	FABRICATION OF BIKE SCOOTER WHEEL DOLLY JACK
IME070	FABRICATION OF SOLAR OPERATED PLANT IRRIGATION WATER SPRINKLER AGRICULTURE ROBOT
IME071	FABRICATION OF SOLAR OPERATED LAKE CLEANING MACHINE
IME072	FABRICATION OF SOLAR OPERATED DRAIN / GUTTER CLEANING MACHINE
IME073	FABRICATION OF SMART GARBAGE MONITORING SYSTEM.
IME074	FABRICATION OF FOOT OPERATED WASTE FOOD SHREDDER COMPOST MAKER MACHINE
IME075	FABRICATION OF GREASELESS POWER TRANSMISSION

AUTOMATION BASED PROJECTS

IMA001	FABRICATION OF INTELLIGENT REVERSEBRAKING SYSTEM.
IMA002	FABRICATION OF AIR BREAK SYSTEM USING EXHAUST GAS.
IMA003	FABRICATION OF ALL TERRIAN VEHICLES
IMA004	FABRICATION OF COMPRESSED AIR VEHICLE.
IMA005	FABRICATION OF REALTIME ADVANCED 5 IN 1 MULTI PURPOSE AGRICULTURAL VEHICLE-(AGRI VEHICLE)
IMA006	FABRICATION OF REGENERATIVE BREAKINGSYSTEM - ELECTRIC
IMA007	FABRICATION OF ROTARY PARKING SYSTEM
IMA008	FABRICATION OF PNEUMATIC BRAKING SYSTEM USING ULTRASONIC SENSOR
IMA009	FABRICATION OF VEHICLE SAFETY USING POWER WINDOW MECHANISM
IMA010	FABRICATION OF AUTOMATIC RAIN OPERATED WIPER HOVER CRAFT MODULE
IMA011	DESIGN AND FABRICATION OF AUTOMATIC TYRE INFLATION AND DEFLATION SYSTEM
IMA012	FABRICATION OF FLYWHEEL BASED REGENERATIVE BREAKING SYSTEM
IMA013	FABRICATION OF AUTOMATED METRO TRAIN
IMA014	FABRICATION OF UNMANNED FIGHTER FOR ARMY OPERATIONS
IMA015	FABRICATION OF REMOTE CONTROLLED WHEEL CHAIR CUM BED FOR PHYSICALLY HANDICAPPED
IMA016	FABRICATION OF AUTOMATIC MATERIAL HANDLING ROBOT
IMA017	FABRICATION OF AUTO GUIDED VEHICLE
IMA018	FABRICATION OF VOICE CONTROLLED WHEEL CHAIR

IMA019	FABRICATION OF MOTORIZED SCREW JACK
IMA020	FABRICATION OF EFFICIENT CAR PARKING FOR FOUR WHEEL
IMA021	FABRICATION OF RAILWAY GATE CONTROLLER
IMA022	FABRICATION OF MOTORIZED HYDRAULIC JACK

IMA023	FABRICATION OF CAR THEFT AND ACCIDENTPREVENTER
IMA024	FABRICATION OF ELCTROMAGNETICBREAK
IMA025	FABRICATION OF HYBRID VEHICLE
IMA026	FABRICATION OF INTELLIGENT PNEUMATIC BUMPER TO RADUCE COLLION EFFECT
IMA027	FABRICATION OF AUTOMATIC INBUILT CAR COVER
IMA028	FABRICATION OF INTELLIGENT CAR ROOF TOP SOLAR
IMA029	FABRICATION OF REALTIME STAIR CLIMBING WHEELCHAIR
IMA030	FABRICATION OF
IMA031	FABRICATION OF IC ENGINE POWERED MINI POWER TILLER AND WEEDER
IMA032	FABRICATION OF ELECTRONIC CONTROLLED ZERO RADIUS TURNING VEHILE
IMA033	FABRICATION OF FOUR WHEEL STEERING VEHICLE
IMA034	DESIGN AND DEVELOPMENT OF TRAIN TRACK ELECTRICTY GENERATION
IMA035	DESIGN AND DEVELOPMENT OF ADVANCED JET ENGINE

AGRICULTURAL / IRRIGATIONAL BASED PROJECTS

IMA001	DESIGN AND FABRICATION OF SUGARCANE HARVESTER USING SAW CHAIN (SOLAR OPERATED)
IMA002	FABRICATION OF ADVANCED 5 IN 1 MULTI PURPOSE AGRICULTURALROBOTIC VEHICLE (AGRIBOT)
IMA003	FABRICATION OF REALTIME ADVANCED 5 IN 1MULTI PURPOSEAGRICULTURALVEHICLE-AGRIVEHICLE
IMA004	FABRICATION OF WHEATHARVESTINGMACHINE
IMA005	FABRICATION OF ARECA NUT FEELING MACHINE
IMA006	FABRICATION OF WHEEL CARRIED PESTICIDE SPREYER
IMA007	FABRICATION OF WHEAT HARVESTING MACHINE
IMA008	FABRICATION OF AUTOMATIC SEED SOWING MACHINE

INDUSTRIAL / PRODUCTION / AUTOMATION BASED PROJECTS

IMIP001	FABRICATION OF 3 IN 1 MULTIPURPOSE MECHANICAL MACHINE USING WHITWORTH MECHANISM
IMIP002	FABRICATION OF AUTOMATIC PVC PIPE CUTTING MACHINE
IMIP003	FABRICATION OF AUTOMATED CONVEYER FOR QUALITY CONTROL
IMIP004	FABRICATION OF AUTOMATIC 2,3 POINT DRILL MACHINE
IMIP005	FABRICATION OF BOTTLE FILLING SYSTEM
IMIP006	FABRICATION OF AUTOMATIC DRILLING AND TAPPING MACHINE
IMIP007	FABRICATION OF AUTOMATIC OBJECT COUNTING MACHINE
IMIP008	FABRICATION OF BELT CONVEYOR
IMIP009	FABRICATION OFCONVEYOR BELT WITH AUTOMATIC PICK AND PLACE AND DIGITAL COUNTER

IMIP010	FABRICATION OF CEMENT PLASTERING MACHINE
IMIP011	FABRICATION OF HELICAL TURBINE (FOR BOTH WIND AND WATER)
IMIP012	FABRICATION OF MILLING MACHINE
IMIP013	FABRICATION OF ROTATING FORKLIFT
IMIP014	FABRICATION OF SCRAPE COLLECTING AND DUST CLEANING MACHINE - REMOTE CONTROLLED
IMIP015	FABRICATION OF MAGNETIC MATERIAL COLLECTING TROLLEY USING ELECTRO MAGNETIC
IMIP016	FABRICATION OF REMOTE OPERATED DRILL MACHINE (HYBRID) - SOLAR AND WIND
IMIP017	FABRICATION OF SAFEST SAW MILL - LIFE SAVER FOR INDUSTRIAL APPLICATIONS (SOLAR OPERATED)
IMIP018	FABRICATION OF VOICE OPERATED ELEVATOR WITH EMERGENCY INDICATOR
IMIP019	FABRICATION OF AUTOMATIC CONVEYOR BELT WITH PICK AND PLACE AND DIGITAL COUNTER
IMIP020	FABRICATION OF MULTI-PURPOSE OR3 IN MECHANICAL MACHINE (DRILLING, SHAPING & HACKSAW)

IMIP021	FABRICATION OF PICK AND PLACE ROBOT WITH GRIPPER FOR INDUSTRIAL APPLICATIONS
IMIP022	FABRICATION OF LINE FOLLOWING ROBOT WITH FORK LIFT
IMIP023	FABRICATION OF AUTOMATIC 2 AND 3 POINT DRILL MACHINE
IMIP024	FABRICATION OF DIGITAL COUNTING MACHINE IMPLEMENTING CONVEYORS USING METAL DETECTION SENSOR
IMIP025	FABRICATION OF BOARD CLEANER MECHANISM USING RACK AND PINION
IMIP026	FABRICATION OF AUTOMATIC HAND WASH AND SOAP SOLUTION
IMIP027	FABRICATION OF PORTABLE VEGETABLE CUTTER AND SLICER
IMIP028	FABRICATION OF ROTATING FORK LIFT
IMIP029	FABRICATION OF LINE FOLLOWING ROBOT WITH FORKLIFT
IMIP030	FABRICATION OF GLASS CLEANING MECHANISM
IMIP031	FABRICATION OF GROUND NUT THRUSTER
IMIP032	FABRICATION OF FULLY AUTOMATIC CHAPATI MAKING MACHINE
IMIP033	FABRICATION OF AYURVEDIC ENGINES STIRRING MACHINE
IMIP034	FABRICATION OF MULTIPLE MACHINING USING CRANCHING (DRILLING & CUTTING)
IMIP035	DESIGN AND FABRICATION OF ELECTROMAGNETIC ENGINE
IMIP036	FABRICATION OF AUTOMATIC SEWAGE CLEANER
IMIP037	FABRICATION OF REAL TIME RAGI BALL MAKING MACHINE
IMIP038	FABRICATION OF AUTOMATIC FOOT CLEANER
IMIP039	DESIGN AND FABRICATION OF GEARLESS POWER TRANSMISSION

MECHATRONICS / ROBOTICS PROJECTS

IMM001	FABRICATION AND DEVELOPMENT OF ROBOT THAT APPROACHES PEDESTRIANS
IMM002	FABRICATION OF AUTOMATIC FIRING BASED ON MICRO CONTROLLER 1

IMM003	FABRICATION OF AUTOMATIC PAGE TURNER
IMM004	FABRICATION OF AUTOMATIC WINDOW OR GLASS CLEANING ROBOT
IMM005	FABRICATION OF WHITEBOARD CLEANING MECHANISM
IMM006	FABRICATION OF AUTOMATIC FOOT DUST CLEANING MACHINE
IMM007	FABRICATION OF FLEX SENSOR OPERATED ROBOTIC ARM
IMM008	FABRICATION OF HAPTIC ROBOTIC ARM (WIRELESS)
IMM009	FABRICATION OF INTELLIGENT COMBAT ROBOT
IMM010	FABRICATION OF LOWER LIMB POWERED EXOSKELETON FOR PARAPLEGIC PEOPLE ASSISTING IN THEIR WALKING AUGMENTATION USING FLEX SENSOR AND ACCELEROMETER
IMM011	FABRICATION OF MOTORIZED WHEEL CHAIR
IMM012	FABRICATION OF WSN BASED ADVANCED IRRIGATION VEHICLE - AGRIBOT
IMM013	FABRICATION OF ADVANCED 5 IN 1 MULTI PURPOSE AGRICULTURAL ROBOTIC VEHICLE - AGRIBOT
IMM014	FABRICATION OF RESCUER DEVICE FOR LIFTING INFANTS STRUCK IN PITS
IMM015	FABRICATION OF UNMANNED RAILWAY GATE CONTROLLER
IMM016	FABRICATION OF HAPTIC ROBOTIC ARM (WIRELESS) AND CAMERA
IMM017	FABRICATION AND DEVELOPMENT OF DATA ACQUISITION ROBOT FOR TOXIC ENVIRONMENTAL MONITORING USING WSN - KROTO FINDER
IMM018	FABRICATION OF PICK AND PLACE USING MOVING VEHICLE THROUGH REMOTE
IMM019	FABRICATION OF SMART WINDOWS
IMM020	FABRICATION OF DESIGN AND DEVELOPMENT OF PC CONTROLLED SMALL UNIT UNMANNED VEHICLE FOR TODAY'S ARMY
IMM021	FABRICATION OF VOICE ENABLED WHEEL CHAIR
IMM022	FABRICATION OF WALL PAINTING ROBOT
IMM023	FABRICATION OF WASTE SEPARATION USING SMART DUSTBIN
IMM024	FABRICATION AND DEVELOPMENT OF WHEELCHAIR CUM STRETCHER
IMM025	FABRICATION OF REMOTE OPERATED BOARD CLEANING MECHANISM
IMM026	FABRICATION OF REMOTE CONTROLLED PATIENTS BED SEAT ADJUSTMENTS
IMM027	FABRICATION OF PENDULUM BASED WATER PUMP

BICYCLE / PEDAL OPERATED BASED PROJECTS

IMBP001	FABRICATION OF HYBRID MULTIPURPOSE PEDDLING MACHINE
IMBP002	FABRICATION OF PEDAL OPERATED REAL TIME HACKSAW MACHINE
IMBP003	FABRICATION OF PEDAL POWERED FLOURMILL
IMBP004	FABRICATION OF HYBRID WATER PUMPING SYSTEM USING PEDDAL
IMBP005	FABRICATION OF PEDDLING WASHING MACHINE
IMBP006	FABRICATION OF BATTERY OPERATED PEDDING BYCYCLE
IMBP007	FABRICATION OF PEDDAL OPERATED WASHING MACHINE

PNEUMATICS AND HYDRAULICS BASED PROJECTS

IMPH001	FABRICATION OF INTELLIGENT REVERSE BRAKINGSYSTEM
IMPH002	FABRICATION OFAIR BRAKE SYSTEM USING ENGINE EXHAUST GAS
IMPH003	FABRICATION OF AUTOMATED CRANEPNEUMATICS
IMPH004	FABRICATIONOF PNEUMATIC OPERATED EMERGENCY OVERWING EXIT SYSTEM IN AIRCRAFTS
IMPH005	FABRICATION OF PNEUMATIC JACK FOR CAR
IMPH006	FABRICATION OF HYDRAULIC BASED MOBILE CRANE
IMPH007	FABRICATION OFPNEUMATIC CAN CRUSHER PROJECTS IDEA AND DESIGN
IMPH008	FABRICATION OF PNEUMATIC MODERN TRIPPING WITH 360DEGREE ROTATION
IMPH009	FABRICATION OF AUTOMATIC PNEUMATICRAMMINGMACHINE
IMPH010	FABRICATION OF AUTOMATIC PUNCHING MACHINE
IMPH011	FABRICATION OF PNEUMATIC RIVETTING MACHINE
IMPH012	FABRICATION OF AUTOMATIC PNEUMATICWISE AND JACK
IMPH013	DESIGN AND FABRICATION OF HIGH SPEED HACK SAW MACHINE
IMPH015	FABRICATION OF PNEUMATIC WATER PUMP
IMPH016	FABRICATION OF PNEUMATIC OPERATED DRILLING MACHINE

SOLAR BASED POWER GENERATION CONCEPTS BASED PROJECTS

IMSP001	FABRICATION OF BIOGAS DIGESTER
IMSP002	FABRICATION OF FOOT STEP POWER GENERATION MECHANISM
IMSP003	FABRICATION OF GYM POWER GENERATOR
IMSP004	FABRICATION OF GENERATION OF ELECTRICITY THROUGH SPEED BREAKER MECHANISM USING HYDRAULICS
IMSP005	FABRICATION OF HYBRID POWER GENERATOR (SOLAR AND WIND)
IMSP006	FABRICATION OF EFFICIENT HYBRID POWER GENERATOR AND MULTI PURPOSE UTILIZATION (WITH SOLAR TRACKING SYSTEM AND PANEL CLEANING MECHANISM)
IMSP007	FABRICATION OF HYBRID POWER GENERATOR (WITH SOLAR TRACKING SYSTEM)
IMSP008	FABRICATION OF HARNESSING WIND ENERGY USING TRAIN
IMSP009	GENERATION OF ELECTRICITY USING A TREADMILL
IMSP010	FABRICATION OF UNIVERSAL POWER GENERATOR : MULTI SEASONAL
IMSP011	GENERATION OF ELECTRICITY THROUGH SPEED BREAKER MECHANISM USING HYDRAULICS
IMSP012	FABRICATION OF SMART DESIGN BASED HYDRO POWER GENERATOR
IMSP013	FABRICATION OF DOMESTIC WIND MILL
IMSP014	WIND POWER UTILIZATION FOR CAR ANNUNCIATOR
IMSP015	FABRICATION OF PUSH OPERATED SPRAY PUMP, MECHANICAL FABRICATION PROJECTS
IMSP016	FABRICATION OF SMART WINDOWS
IMSP017	FABRICATION OFSOLAR BASED CUTTINGGRINDING MACHINE
IMSP018	FABRICATION OF SOLAR OPERATEDDRILL MACHINE
IMSP019	FABRICATION OF SOLAR OPERATED GRASSCUTTER
IMSP020	FABRICATION OF SOLAR OPERATED GRINDING MACHINE

IMSP021	FABRICATION OF SOLAR SPRAYER
IMSP022	FABRICATION OF SOLAR TRACKING SYSTEM WITH WATER PUMP

DESIGN AND ANALYSIS BASED PROJECTS

IMDA001	DESIGN OPTIMIZATION OF COMBUSTION CHAMBER FOR TURBO ENGINE
IMDA002	STATIC & MODAL ANALYSIS OF COMPOSITE BRACKET ASSEMBLY
IMDA003	DESIGN OPTIMIZATION OF CONNECTING ROD FOR STATIC LOADING CONDITIONS
IMDA004	FATIGUE ANALYSIS AND DESIGN OPTIMIZATION OF A DIGGER ARM
IMDA005	DESIGN OPTIMIZATION OF DISK BRAKE BY USING FINITE ELEMENT ANALYSIS
IMDA006	DESIGN OPTIMIZATION OF HYPOID GEAR BY USING STRUCTURAL ANALYSIS
IMDA007	MODELING AND ANALYSIS OF A MASTER CYLINDER
IMDA008	MODELING AND ANALYSIS OF IC ENGINE PISTON WITH COMPOSITE MATERIAL
IMDA009	DESIGN AND ANALYSIS OF A RAIL WHEEL ASSEMBLY OF RAIL MOUNTED STORAGE CUM RESTING FIXTURE 60T CAPACITY

COMPOSITE MATERIALS BASED PROJECTS TITLES

IMC001	MECHANICAL BEHAVIOUR OF E-GLASS JUTE NATURAL HYBRID COMPOSITE
IMC002	MECHANICAL BEHAVIOUR OF E-GLASS SUGARCANE BAGASS NATURAL HYBRID COMPOSITE
IMC003	MECHANICAL BEHAVIOUR OF E-GLASS, EPDXY REINFORCED WITH FILLER MATERIALS (rubber powder) COMPOSITE
IMC004	MECHANICAL BEHAVIOUR OF E-GLASS, EPDXY REINFORCED WITH FILLER MATERIALS (E- WASTE) COMPOSITE
IMC005	MECHANICAL BEHAVIOUR COCONUT COIR FIBER REINFORCED WITH EPDXY POLYMER
IMC006	DEVELOPMENT OF SISAL, JUTE AND E GLASS COMPOSITE MATERIAL WITH VARIED FILLER MATERIAL.
IMC007	DEVELOPMENT OF EGLASS EPDXY REINFORCED WITH RUBBER POWDER AS FILLER MATERIAL
IMC008	MECHANICAL BEHAVIOUR OF CHICKEN FEATHER COMPOSITE WITH EGLASS
IMC009	MECHANICAL BEHAVIOUR OF EGLASS JUTE EPDXY REINFORCED WITH WOLLASTONITE AS A FILLER MATERIAL
IMC010	DEVELOPMENT OF COMPOSITE USING BIDIRECTIONAL E-GLASS AND CHOPPED E-GLASS BY VARYING THE LAYERS AND DETERMINING THE MECHANICAL PROPERTIES

B.E / M.TECH PROJECT LIST-DESIGN BASIS

1	NOZZLE DESIGN AND SEPARATION MARGIN EVALUATION FOR RELIABILITY OF TURBINE BLADE
2	DESIGN OF INTERFACE STRUCTURE OF WIND TOWER
3	DESIGN AND ANALYSIS OF BLEED IN STEAM TURBINE CASING
4	SKIN INSTABILITIES IN HONEYCOMB STRUCTURES OF AN AIR CRAFT WING
5	BEACON LIGHT ANALYSIS IN FUSELAGE STRUCTURE OF AN AIRCRAFT
6	LOAD ANALYSIS AND MULTI BODY DYNAMICS ANALYSIS OF CONNECTING ROD IN SINGLE

	CYLINDER 4 STROKE ENGINE
7	FAILURE ANALYSIS OF STEAM TURBINE ROTOR DUE TO LOW FLOW CONDITIONS
8	BUS BODY ANALYSIS FOR DIFFERENT LOADING CONDITION
9	DESIGN AND ANALYSIS FLOOR BEAM IN AIRCRAFT STRUCTURE
10	DESIGN AND ANALYSIS OF DUMPING TRUCK FLOOR BED
11	STATIC & DYNAMIC ANALYSIS OF IMPELLER & SHAFT OF SUBMERSIBLE PUMP & COMPRESSOR DOMAIN
12	DESIGN & STATIC ANALYSIS OF WING BOX(J-NOSE PANEL, HONEY COMB STRUCTURES) STRUCTURE OF AN AIR CRAFT- AIR CRAFT DOMAIN
13	DESIGN & ANALYSIS OF INTERMEDIATE SHAFT IN POWER TRANSMISSION SYSTEM OF A CAR - AUTOMOTIVE DOMAIN
14	STRUCTURAL & CFD ANALYSIS OF AIR RELEASE & VACUUM BREAK VALVES(-VALVE DOMAIN
15	DESIGN OF INTERFACE STRUCTURE OF WIND TOWER
16	DESIGN AND ANALYSIS OF BLEED IN STEAM TURBINE CASING
17	SKIN INSTABILITIES IN HONEYCOMB STRUCTURES OF AN AIR CRAFT WING
18	BEACON LIGHT ANALYSIS IN FUSELAGE STRUCTURE OF AN AIRCRAFT
19	DEVELOPMENT OF AIR RELEASE VALVE / ANTI VACUUM VALVE (COMBINATION VALVE) FOR HIGH PRESSURE HYDRO POWER PLANTS

20	LOAD ANALYSIS AND MULTI BODY DYNAMICS ANALYSIS OF CONNECTING ROD IN SINGLE CYLINDER 4 STROKE ENGINE
21	FAILURE ANALYSIS OF STEAM TURBINE ROTOR DUE TO LOW FLOW CONDITIONS
22	STATIC AND DYNAMIC ANALYSIS OF BUS BODY.
23	STRESS & DEFLECTION ANALYSIS OF HORIZONTAL PRESSURE VESSEL WITH DIFFERENT DISHED END USING FEM
24	EVALUATION OF COP OF A VAPOR COMPRESSION REFRIGERATION SYSTEM WITH CHANGE IN LENGTH OF CONDENSER
25	INVESTIGATION OF THERMAL FIELD IN FRICTION SURFACING
26	ANALYZING THE INTERNAL COOLING SYSTEM OF INDUSTRIAL GAS TURBINE USING ANSYS
27	DESIGN AND ANALYSIS OF ENGINE INLET MANIFOLD
28	COMPUTATIONAL STUDY ON SUPER CRITICAL AIROFOIL
29	OPTIMIZATION FLOW ANALYSIS OF SUPER SONIC NOZZLE USING "CFD"
30	DESIGN & ANALYSIS CONSIDERATIONS OF CONNECTING ROD, PISTON & GUDGEON PIN IN RECIPROCATING AIR COMPRESSOR
31	DESIGN & CFD ANALYSIS OF STEAM GENERATOR OLD TITLE – COUPLED FIELD ANALYSIS OF STEAM GENERATOR)
32	DESIGNING OF PISTON AND ANALYSIS WITH DIFFERENT MATERIALS SUBJECTED TO THERMAL ANALYSIS
33	BOILER BURNER AND FUEL FIRING SYSTEM

34	THERMAL ANALYSIS OF COMBUSTION OUTER CASE FOR TURBO ENGINE
35	DESIGN ANALYSIS OF CASING ENGINE
36	DESIGN AND ANALYSIS OF SOLAR PANEL SUPPORTING STRUCTURE IN WIND EFFECT
37	DESIGN AND ANALYSIS OF FLYWHEEL IN PETROL ENGINE
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B.E / M.TECH PROJECT LIST-THERMAL

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2	STUDY OF STEADY STATE THERMAL ANALYSIS OF STEAM TURBINE CASING

3	THERMAL ANALYSIS OF ENERGY AND EXERGY OF BACK PRESSURE STEAM TURBINE IN SUGAR
4	COGENERATION PLANT
5	TRANSIENT THERMAL ANALYSIS OF A STEAM TURBINE ROTOR
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7	CALCULATION OF THERMAL STRESS AND FATIGUE LIFE OF 1000 MW STEAM TURBINE ROTOR
8	STATIC AND THERMAL ANALYSIS OF TURBINE BLADE OF TURBOCHARGER
9	THERMAL AND DYNAMIC ANALYSIS OF BEARING ASSEMBLY FOR SMALL SIZE STEAM TURBINE
10	NON-STATIONARY TEMPERATURE STRESSES IN THE INDUSTRIAL STEAM TURBINE ROTOR
11	THERMAL ANALYSIS OF THE STEAM BOILER FOR THE STERILIZATION PLANT AT PEPPER MARKETING BOARD
12	THERMAL ANALYSIS OF CLOSED FEED WATER HEATERS IN NUCLEAR POWER PLANTS
13	THERMAL ANALYSIS OF SI-ENGINE USING SIMPLIFIED FINITE ELEMENT MODEL
14	STRUCTURAL AND THERMAL ANALYSIS OF AUTOMOTIVE DISC BRAKE ROTOR
15	HEAT TRANSFER ANALYSIS OF AUTOMOTIVE HEADLAMP USING CFD METHODOLOGY
16	TRANSIENT ANALYSIS OF DISK BRAKE BY USING ANSYS SOFTWARE
17	COMPUTATIONAL ANALYSIS OF DIFFERENT NANO FLUIDS EFFECT ON CONVECTIVE HEAT TRANSFER ENHANCEMENT OF DOUBLE TUBE HELICAL HEAT EXCHANGER.
18	FLOW ANALYSIS AND CHARACTERISTICS COMPARISON OF DOUBLE PIPE HEAT EXCHANGER USING ENHANCED TUBES.

19	INVESTIGATION OF THERMAL RESISTANCE OF DIAMOND SHAPED PIN FIN BY CFD.
20	THREE DIMENSIONAL NUMERICAL ANALYSIS OF UNGLAZED SOLAR WATER HEATER FOR ENHANCEMENT IN THERMAL PERFORMANCE.
21	CFD ANALYSIS OF SOLAR HOT WATER HEATER WITH INTEGRATED STORAGE SYSTEM.
22	CFD ANALYSIS OF CONVECTIVE FLOW IN A SOLAR DOMESTIC HOT WATER STORAGE TANK.
23	CFD ANALYSIS OF CONICAL NOZZLE FOR MACH 3 AT VARIOUS ANGLES OF DIVERGENCE WITH FLUENT SOFTWARE.
24	NUMERICAL ANALYSIS TO OPTIMIZE THE HEAT TRANSFER RATE OF TUBE-IN-TUBE HELICAL COIL HEAT EXCHANGER

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