

# FINAL YEAR PROJECTS

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## IEEE PROJECTS

# 2021-2022

**EMBEDDED | SOFTWARE | MECHANICAL | CIVIL  
MALLESWARAM | JAYANAGAR**

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## 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

<b>IME037</b>	FABRICATION OF SOLAR OPERATED SEED SOWING MACHINE WITH CLUTIWATOR AND PESTICIDE SPRAYER
<b>IME038</b>	FABRICATION OF MULTIPURPOSE ECO FRIENDLY MANUAL ROAD CLEANING MACHINE
<b>IME039</b>	FABRICATION OF BIOMETRIC BASED RATION VENDING MACHINE
<b>IME040</b>	FABRICATION OF BUTTON OPERATED GEAR SHIFTING IN 2 WHEELERS
<b>IME041</b>	FABRICATION OF VOICE OPERATED MOTORISED EXO SKELETON ARM
<b>IME042</b>	FABRICATION OF RAILWAY TRACK CRACK AND OBSTACLE DETECTION WITH IOT AND GPS
<b>IME043</b>	FABRICATION OF BLUETOOTH OPERATED STANDING WHEEL CHAIR
<b>IME044</b>	FABRICATION OF BLUETOOTH OPERATED MULTIPURPOSE AGRI-VEHICLE
<b>IME045</b>	FABRICATION OF WHEAT HARVESTING MACHINE
<b>IME046</b>	FABRICATION OF MINI POWER TILLER AND WEEDER
<b>IME047</b>	FABRICATION OF AUTOMATIC PNEUMATIC BUMPER AND BRAKING SYSTEM
<b>IME048</b>	FABRICATION OF AGRICULTURE WHEEL SPRAYER
<b>IME049</b>	FABRICATION AND DEVELOPMENT OF HYBRID ELECTRIC TWO WHEELER
<b>IME050</b>	FABRICATION OF EFFI CYCLE
<b>IME051</b>	FABRICATION OF COMPRESSED AIR VEHICLE (CAV)
<b>IME052</b>	FABRICATION OF VEHICLE SAFETY USING POWER WINDOW MECHANISM
<b>IME053</b>	FABRICATION OF WASTE SAPERATION USING SMART DUSTBIN
<b>IME054</b>	CAMOUFLAGE TECHNIQUE BASED MULTIFUNCTIONAL ARMY ROBOT
<b>IME055</b>	FABRICATION OF ANDROID OPERATED FLOOR CLEANING ROBOT
<b>IME056</b>	FABRICATION OF PNEUMATIC OPERATED EMERGENCY OVERWING EXIT SYSTEM IN AIRCRAFTS
<b>IME057</b>	FABRICATION OF ROCKER BOGIE MILITARY ROBOT
<b>IME058</b>	FABRICATION OF AUTOMATIC DISINFECTANT TUNNEL FOR COVID - 19 SANITIZATION
<b>IME059</b>	FABRICATION OF LOW COST MECHANICAL VENTILATOR FOR COVID PATIENTS
<b>IME060</b>	FABRICATION OF SOLAR POWERED BEACH CLEANING MACHINE
<b>IME061</b>	FABRICATION OF SOLAR TRACKING AND H-DARRIUS WIND TURBINE
<b>IME062</b>	FABRICATION OF AIR BRAKE SYSTEM USING ENGINE EXHAUST GAS
<b>IME063</b>	FABRICATION OF 3 AXIS PNEUMATIC TRAILER LIFT
<b>IME064</b>	EFFICIENT HYBRID POWER GENERATION USING HELICAL WIND TURBINE AND SOLAR TRACKING SYSTEM
<b>IME065</b>	FABRICATION OF HYDRAULIC TROLLEY FOR MATERIAL HANDLING
<b>IME066</b>	FABRICATION OF PENDULUM BASED WATER PUMPING SYSTEM
<b>IME067</b>	FABRICATION OF AUTOMATIC OXYGEN CONCENTRATOR FOR COVID INFECTED PATIENTS.
<b>IME068</b>	FABRICATION OF ANTI-RIOT DRONE WITH TEAR GAS AND LIVE VIDEO STREAMING
<b>IME069</b>	FABRICATION OF BIKE SCOOTER WHEEL DOLLY JACK
<b>IME070</b>	FABRICATION OF SOLAR OPERATED PLANT IRRIGATION WATER SPRINKLER AGRICULTURE ROBOT
<b>IME071</b>	FABRICATION OF SOLAR OPERATED LAKE CLEANING MACHINE
<b>IME072</b>	FABRICATION OF SOLAR OPERATED DRAIN / GUTTER CLEANING MACHINE
<b>IME073</b>	FABRICATION OF SMART GARBAGE MONITORING SYSTEM.
<b>IME074</b>	FABRICATION OF FOOT OPERATED WASTE FOOD SHREDDER COMPOST MAKER MACHINE
<b>IME075</b>	FABRICATION OF GREALESS 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 OFVEHICLESAFETY USING POWER WINDOWMECHANISM
IMA010	FABRICATION OF AUTOMATIC RAIN OPERATEDWIPERHOVER CRAFT MODULE
IMA011	DESIGN AND FABRICATION OF AUTOMATIC TYRE INFLATION AND DEFLATION SYSTEM
IMA012	FABRICATION OF FLYWEEL 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 OFAUTO GUIDED VEHICLE
IMA018	FABRICATION OF VOICECONTROLLED WHEEL CHAIR
IMA019	FABRICATION OFMOTORIZEDSCREW 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 VEHICLE
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

<b>IMA007</b>	FABRICATION OF WHEAT HARVESTING MACHINE
<b>IMA008</b>	FABRICATION OF AUTOMATIC SEED SOWING MACHINE

<b>INDUSTRIAL / PRODUCTION / AUTOMATION BASED PROJECTS</b>	
<b>IMIP001</b>	FABRICATION OF 3 IN 1 MULTIPURPOSE MECHANICAL MACHINE USING WHITWORTH MECHANISM
<b>IMIP002</b>	FABRICATION OF AUTOMATIC PVC PIPE CUTTING MACHINE
<b>IMIP003</b>	FABRICATION OF AUTOMATED CONVEYER FOR QUALITY CONTROL
<b>IMIP004</b>	FABRICATION OF AUTOMATIC 2 ,3 POINT DRILL MACHINE
<b>IMIP005</b>	FABRICATION OF BOTTLE FILLING SYSTEM
<b>IMIP006</b>	FABRICATION OF AUTOMATIC DRILLING AND TAPPING MACHINE
<b>IMIP007</b>	FABRICATION OF AUTOMATIC OBJECT COUNTING MACHINE
<b>IMIP008</b>	FABRICATION OF BELT CONVEYOR
<b>IMIP009</b>	FABRICATION OFCONVEYOR BELT WITH AUTOMATIC PICK AND PLACE AND DIGITAL COUNTER
<b>IMIP010</b>	FABRICATION OF CEMENT PLASTERING MACHINE
<b>IMIP011</b>	FABRICATIONOF HELICAL TURBINE ( FOR BOTH WIND AND WATER)
<b>IMIP012</b>	FABRICATIONOF MILLINGMACHINE
<b>IMIP013</b>	FABRICATIONOF ROTATING FORKLIFT
<b>IMIP014</b>	FABRICATIONOF SCRAPE COLLECTING AND DUST CLEANING MACHINE - REMOTE CONTROLLED
<b>IMIP015</b>	FABRICATION OF MAGNETIC MATERIAL COLLECTING TROLLYBY USING ELECTRO MAGNETIC
<b>IMIP016</b>	FABRICATION OF REMOTE OPERATED DRILLMACHINE (HYBRID) - SOLAR AND WIND
<b>IMIP017</b>	FABRICATION OF SAFEST SAW MILL - LIFE SAVER FORINDUSTRIAL APPLICATIONS (SOLAR OPERATED)
<b>IMIP018</b>	FABRICATION OFVOICEOPERATED ELEVATOR WITH EMERGENCY INDICATOR
<b>IMIP019</b>	FABRICATION OF AUTOMATIC CONVEYOR BELT WITH PICKAND PLACE AND DIGITAL COUNTER
<b>IMIP020</b>	FABRICATION OF MULTI-PURPOSE OR3 IN 1MECHANICAL MACHINE (DRILLING,SHAPING & HACKSAW)
<b>IMIP021</b>	FABRICATION OF PICK AND PLACEROBOTWITH GRIPPER FOR INDUSTRIAL APPLICATIONS
<b>IMIP022</b>	FABRICATION OF LINE FOLLOWING ROBOT WITH FORK LIFT
<b>IMIP023</b>	FABRICATION OF AUTOMATIC 2 AND 3 POINT DRILL MACHINE
<b>IMIP024</b>	FABRICATION OF DIGITALCOUNTING MACHINE IMPLEMENTING CONVEYORS USING METAL DETECTION SENSOR
<b>IMIP025</b>	FABRICATION OF BOARD CLEANER MECHANISM USING RACK AND PINION
<b>IMIP026</b>	FABRICATION OF AUTOMATIC HAND WASH AND SOAP SOLUTION
<b>IMIP027</b>	FABRICATION OF PORTABLE VEGETABLE CUTTER AND SLICER
<b>IMIP028</b>	FABRICATION OF ROTATING FORK LIFT
<b>IMIP029</b>	FABRICATION OF LINE FOLLOWING ROBOT WITH FORKLIFT
<b>IMIP030</b>	FABRICATION OF GLASS CLEANING MECHANISM
<b>IMIP031</b>	FABRICATION OF GROUNDNUT THRUSTER
<b>IMIP032</b>	FABRICATION OF FULLYAUTOMATIC CHAPATI MAKING MACHINE
<b>IMIP033</b>	FABRICATION OF AYURVEDIC ENGRIENDS STIRRING MACHINE
<b>IMIP034</b>	FABRICATION OF MULTIPLE MACHINING USING CRANCHING (DRILLING& CUTTING)
<b>IMIP035</b>	DESIGN AND FABRICATION OF ELECTROMAGNETIC ENGINE
<b>IMIP036</b>	FABRICATION OF AUTOMATIC SEWAGE CLEANER
<b>IMIP037</b>	FABRICATION OF REAL TIME RAGI BALL MAKING MACHINE
<b>IMIP038</b>	FABRICATION OFAUTOMATIC FOOT CLEANER
<b>IMIP039</b>	DESIGN AND FABRICATION OF GEARLESS POWER TRANSMISSION

<b>MECHATRONICS / ROBOTICS PROJECTS</b>	
<b>IMM001</b>	FABRICATION AND DEVELOPMENT OF ROBOT THAT APPROACHES PEDESTRIANS
<b>IMM002</b>	FABRICATION OF AUTOMATIC FIRING BASED ON MICRO CONTROLLER 1
<b>IMM003</b>	FABRICATION OF AUTOMATIC PAGE TURNER
<b>IMM004</b>	FABRICATION OF AUTOMATIC WINDOW OR GLASS CLEANING ROBOT
<b>IMM005</b>	FABRICATION OF WHITEBOARD CLEANING MECHANISM
<b>IMM006</b>	FABRICATION OF AUTOMATIC FOOT DUST CLEANING MACHINE
<b>IMM007</b>	FABRICATION OF FLEX SENSOR OPERATED ROBOTIC ARM
<b>IMM008</b>	FABRICATION OF HAPTIC ROBOTIC ARM (WIRELESS)
<b>IMM009</b>	FABRICATION OF INTELLIGENT COMBAT ROBOT
<b>IMM010</b>	FABRICATION OF LOWER LIMB POWERED EXOSKELETON FOR PARAPLEGIC PEOPLE ASSISTING IN THEIR WALKING AUGMENTATION USING FLEX SENSOR AND ACCELEROMETER
<b>IMM011</b>	FABRICATION OF MOTORIZED WHEEL CHAIR
<b>IMM012</b>	FABRICATION OF WSN BASED ADVANCED IRRIGATION VEHICLE - AGRIBOT
<b>IMM013</b>	FABRICATION OF ADVANCED 5 IN 1 MULTI PURPOSE AGRICULTURAL ROBOTIC VEHICLE - AGRIBOT
<b>IMM014</b>	FABRICATION OF RESCUER DEVICE FOR LIFTING INFANTS STRUCK IN PITS
<b>IMM015</b>	FABRICATION OF UNMANNED RAILWAY GATE CONTROLLER
<b>IMM016</b>	FABRICATION OF HAPTIC ROBOTIC ARM (WIRELESS) AND CAMERA
<b>IMM017</b>	FABRICATION AND DEVELOPMENT OF DATA ACQUISITION ROBOT FOR TOXIC ENVIRONMENTAL MONITORING USING WSN - KROTO FINDER
<b>IMM018</b>	FABRICATION OF PICK AND PLACE USING MOVING VEHICLE THROUGH REMOTE
<b>IMM019</b>	FABRICATION OF SMART WINDOWS
<b>IMM020</b>	FABRICATION OF DESIGN AND DEVELOPMENT OF PC CONTROLLED SMALL UNIT UNMANNED VEHICLE FOR TODAY'S ARMY
<b>IMM021</b>	FABRICATION OF VOICE ENABLED WHEEL CHAIR
<b>IMM022</b>	FABRICATION OF WALL PAINTING ROBOT
<b>IMM023</b>	FABRICATION OF WASTE SEPARATION USING SMART DUSTBIN
<b>IMM024</b>	FABRICATION AND DEVELOPMENT OF WHEELCHAIR CUM STRETCHER
<b>IMM025</b>	FABRICATION OF REMOTE OPERATED BOARD CLEANING MECHANICAL
<b>IMM026</b>	FABRICATION OF REMOTE CONTROLLED PATIENTS BED SEAT ADJUSTMENTS
<b>IMM027</b>	FABRICATION OF PENDULUM BASED WATER PUMP

<b>BICYCLE / PEDAL OPERATED BASED PROJECTS</b>	
<b>IMBP001</b>	FABRICATION OF HYBRID MULTIPURPOSE PEDDLING MACHINE
<b>IMBP002</b>	FABRICATION OF PEDAL OPERATED REAL TIME HACKSAW MACHINE
<b>IMBP003</b>	FABRICATION OF PEDAL POWERED FLOURMILL
<b>IMBP004</b>	FABRICATION OF HYBRID WATER PUMPING SYSTEM USING PEDDAL
<b>IMBP005</b>	FABRICATION OF PEDDLING WASHING MACHINE
<b>IMBP006</b>	FABRICATION OF BATTERY OPERATED PEDDALLING BYCYCLE
<b>IMBP007</b>	FABRICATION OF PEDDAL OPERATED WASHING MACHINE

<b>PNEUMATICS AND HYDRAULICS BASED PROJECTS</b>	
<b>IMPH001</b>	FABRICATION OF INTELLIGENT REVERSE BRAKING SYSTEM
<b>IMPH002</b>	FABRICATION OF AIR BRAKE SYSTEM USING ENGINE EXHAUST GAS
<b>IMPH003</b>	FABRICATION OF AUTOMATED CRANE PNEUMATICS

<b>IMPH004</b>	FABRICATIONOF PNEUMATIC OPERATED EMERGENCY OVERWING EXIT SYSTEM IN AIRCRAFTS
<b>IMPH005</b>	FABRICATION OF PNEUMATIC JACK FOR CAR
<b>IMPH006</b>	FABRICATION OF HYDRAULIC BASED MOBILE CRANE
<b>IMPH007</b>	FABRICATION OF PNEUMATIC CAN CRUSHER PROJECTS IDEA AND DESIGN
<b>IMPH008</b>	FABRICATION OF PNEUMATIC MODERN TRIPPING WITH 360DEGREE ROTATION
<b>IMPH009</b>	FABRICATION OF AUTOMATIC PNEUMATICCRAMMINGMACHINE
<b>IMPH010</b>	FABRICATION OF AUTOMATIC PUNCHING MACHINE
<b>IMPH011</b>	FABRICATION OF PNEUMATIC RIVETTING MACHINE
<b>IMPH012</b>	FABRICATION OF AUTOMATIC PNEUMATICWISE AND JACK
<b>IMPH013</b>	DESIGN AND FABRICATION OF HIGH SPEED HACK SAW MACHINE
<b>IMPH014</b>	FABRICATION OF AUTOMATIC PNEUMATIC HAMMER
<b>IMPH015</b>	FABRICATION OF PNEUMATIC WATER PUMP
<b>IMPH016</b>	FABRICATION OF PNEUMATIC OPERATED DRILLING MACHINE

#### SOLAR BASED POWER GENERATION CONCEPTS BASED PROJECTS

<b>IMSP001</b>	FABRICATION OF BIOGAS DIGESTER
<b>IMSP002</b>	FABRICATION OF FOOT STEP POWER GENERATION MECHANISM
<b>IMSP003</b>	FABRICATION OF GYM POWER GENERATOR
<b>IMSP004</b>	FABRICATION OF GENERATION OF ELECTRICITY THROUGH SPEED BREAKER MECHANISM USING HYDRAULICS
<b>IMSP005</b>	FABRICATION OF HYBRID POWER GENERATOR (SOLAR AND WIND)
<b>IMSP006</b>	FABRICATION OF EFFICIENT HYBRID POWER GENERATOR AND MULTI PURPOSE UTILIZATION (WITH SOLAR TRACKING SYSTEM AND PANEL CLEANING MECHANISM)
<b>IMSP007</b>	FABRICATION OF HYBRID POWER GENERATOR (WITH SOLAR TRACKING SYSTEM)
<b>IMSP008</b>	FABRICATION OF HARNESSING WIND ENERGY USING TRAIN
<b>IMSP009</b>	GENERATION OF ELECTRICITY USING A TREADMILL
<b>IMSP010</b>	FABRICATION OF UNIVERSAL POWER GENERATOR : MULTI SEASONAL
<b>IMSP011</b>	GENERATION OF ELECTRICITY THROUGH SPEED BREAKER MECHANISM USING HYDRAULICS
<b>IMSP012</b>	FABRICATION OF SMART DESIGN BASED HYDRO POWER GENERATOR
<b>IMSP013</b>	FABRICATION OF DOMESTIC WIND MILL
<b>IMSP014</b>	WIND POWER UTILIZATION FOR CAR ANNUNCIATOR
<b>IMSP015</b>	FABRICATION OF PUSH OPERATED SPRAY PUMP, MECHANICAL FABRICATION PROJECTS
<b>IMSP016</b>	FABRICATION OF SMART WINDOWS
<b>IMSP017</b>	FABRICATION OF SOLAR BASED CUTTINGGRINDING MACHINE
<b>IMSP018</b>	FABRICATION OF SOLAR OPERATEDDRILL MACHINE
<b>IMSP019</b>	FABRICATION OF SOLAR OPERATED GRASSCUTTER
<b>IMSP020</b>	FABRICATION OF SOLAR OPERATED GRINDING MACHINE
<b>IMSP021</b>	FABRICATION OF SOLAR SPRAYER
<b>IMSP022</b>	FABRICATION OF SOLAR TRACKING SYSTEM WITH WATER PUMP

#### DESIGN AND ANALYSIS BASED PROJECTS

<b>IMDA001</b>	DESIGN OPTIMIZATION OF COMBUSTIONCHAMBERFORTURBO ENGINE
<b>IMDA002</b>	STATIC&MODAL ANALYSIS OF COMPOSITE BRACKETASSEMBLY
<b>IMDA003</b>	DESIGN OPTIMIZATION OF CONNECTING ROD FOR STATIC LOADING CONDITIONS
<b>IMDA004</b>	FATIGUE ANALYSIS AND DESIGNOPTIMIZATION OF A DIGGER ARM



<b>IMDA005</b>	DESIGN OPTIMIZATION OF DISK BRAKE BY USING FINITE ELEMENT ANALYSIS
<b>IMDA006</b>	DESIGN OPTIMIZATION OF HYPOID GEAR BY USING STRUCTURAL ANALYSIS
<b>IMDA007</b>	MODELING AND ANALYSIS OF A MASTER CYLINDER
<b>IMDA008</b>	MODELING AND ANALYSIS OF IC ENGINE PISTON WITH COMPOSITE MATERIAL
<b>IMDA009</b>	DESIGN AND ANALYSIS OF A RAIL WHEEL ASSEMBLY OF RAIL MOUNTED STORAGE CUM RESTING FIXTURE 60T CAPACITY

<b>COMPOSITE MATERIALS BASED PROJECTS TITLES</b>	
<b>IMC001</b>	MECHANICAL BEHAVIOUR OF E-GLASS JUTE NATURAL HYBRID COMPOSITE
<b>IMC002</b>	MECHANICAL BEHAVIOUR OF E-GLASS SUGARCANE BAGASS NATURAL HYBRID COMPOSITE
<b>IMC003</b>	MECHANICAL BEHAVIOUR OF E-GLASS, EPDXY REINFORCED WITH FILLER MATERIALS (rubber powder ) COMPOSITE
<b>IMC004</b>	MECHANICAL BEHAVIOUR OF E-GLASS, EPDXY REINFORCED WITH FILLER MATERIALS (E- WASTE ) COMPOSITE
<b>IMC005</b>	MECHANICAL BEHAVIOUR COCONUT COIR FIBER REINFORCED WITH EPDXY POLYMER
<b>IMC006</b>	DEVELOPMENT OF SISAL, JUTE AND E GLASS COMPOSITE MATERIAL WITH VARIED FILLER MATERIAL.
<b>IMC007</b>	DEVELOPMENT OF EGLASS EPDXY REINFORCED WITH RUBBER POWDER AS FILLER MATERIAL
<b>IMC008</b>	MECHANICAL BEHAVIOUR OF CHICKEN FEATHER COMPOSITE WITH EGLASS
<b>IMC009</b>	MECHANICAL BEHAVIOUR OF EGLASS JUTE EPDXY REINFORCED WITH WOLLASTONITE AS A FILLER MATERIAL
<b>IMC010</b>	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 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
38	DESIGN AND ANALYSIS OF I.C. ENGINE PISTON
39	DESIGN AND ANALYSIS FOR CYLINDER FINS
40	DESIGNING OF ANALYSIS PISTON
41	DESIGN AND ANALYSIS OF CONNECTING ROD USING DIFFERENT MATERIALS
42	DESIGN AND ANALYSIS OF CYLINDER AND CYLINDER HEAD OF 6 -STROKE SI ENGINE FOR WEIGHT REDUCTION
43	DESIGN ANALYSIS OF DRUM IN BRAKE
44	NAMIC ANALYSIS OF FRICTION MATERIAL OF A CLUTCH PLATE
45	FINITE ELEMENT ANALYSIS OF MICRO END MILL AND SIMULATION OF BURR FORMATION IN MACHININGAL6061 -T6
46	FATIGUE ANALYSIS OF WELDED JOINT BY VARYING WELD BEAD SIZE
47	INVESTIGATION OF THERMAL FIELD IN FRICTION SURFACING
48	FRICTION STIR WELDING OF DISSIMILAR MATERIALS STATISTICAL ANALYSIS OF THE WELDING DATA
49	CALCULATION OF COEFFICIENT OF DISCHARGE OF ORIFICE PLATE AND FLOW NOZZLE USING CFD ANALYSIS
50	DESIGN OF AN PELTON TURBINE BUCKET USING FINITE ELEMENT ANALYSIS
51	DESIGN AND ANALYSIS OF MULTI LAYER PRESSURE VESSEL
52	DESIGN OF AN AXIAL FLOW TURBOCHARGER USING FINITE ELEMENT ANALYSIS
53	FINITE ELEMENT ANALYSIS TO DETERMINE DAMPING PROPERTIES OF HIGH STRENGTH ALUMINUM A356 ALLOY COMPOSITE
54	FATIGUE ANALYSIS OF WELDED JOINT BY VARYING WELD BEAD SIZE
55	CALCULATION OF COEFFICIENT OF DISCHARGE OF ORIFICE PLATE AND FLOW NOZZLE USING CFD ANALYSIS
56	FRICTION STIR WELDING OF DISSIMILAR MATERIALS STATISTICAL ANALYSIS OF THE WELDING DATA
57	ROTATIONAL MOVEMENT AND FEED MOTION OF FACE MILL CUTTER
58	STRUCTURAL AND THERMAL ANALYSIS OF CYLINDRICAL MILLING CUTTER
59	SURFACE-DRILLING AND STRUCTURAL ANALYSIS OF DTH DRILL BIT
60	STRUCTURAL AND THERMAL ANALYSIS OF SINGLE POINT CUTTING TOOL
61	TRANSIENT THERMAL ANALYSIS OF CYLINDER FINS
62	SPOT WELD MODEL FOR AUTOMOTIVE FEM CRASH SIMULATIONS
63	INVESTIGATION OF THERMAL FIELD IN FRICTION SURFACING
64	FINITE ELEMENT ANALYSIS TO DETERMINE DAMPING PROPERTIES OF HIGH STRENGTH ALUMINUM A356 ALLOY COMPOSITE
65	STRESS & DEFLECTION ANALYSIS OF HORIZONTAL PRESSURE VESSEL WITH DIFFERENT DISHED END USING FEM
66	DESIGN ANALYSIS OF CASING ENGINE
67	DESIGNING OF ANALYSIS PISTON
68	DESIGN AND ANALYSIS OF CONNECTING ROD USING DIFFERENT MATERIALS
69	DESIGN AND ANALYSIS OF CYLINDER AND CYLINDER HEAD OF 6-STROKE SI ENGINE FO WEIGHT REDUCTION
70	DESIGN ANALYSIS OF DRUM IN BRAKE
71	INFLUENCE OF CUTTING PARAMETERS ON THRUST FORCE, TORQUE AND TEMPERATURE IN MILLING OF E-GLASS AND POLYESTER COMPOSITES

72	ANALYSIS OF LOADER ARM OF PNEUMATIC HIGH SPEED LOADER
73	ANALYSIS OF SERIAL PINNED JOINTS IN COMPOSITE MATERIALS
74	APPLICATION OF COMPUTER SIMULATION FOR FINDING OPTIMUM GATE LOCATION IN PLASTIC INJECTION MOULDING PROCESS
75	BUCKLING ANALYSIS OF LAMINATED COMPOSITE CYLINDRICAL SHELLS
76	CALCULATING HEAT TRANSFER RATE BY VARYING COOLING FLUID FOR ENGINE CYLINDER FINS
77	COMPOSITE MATERIAL ANALYSIS OF AXIAL FLOW FANS
78	COMPOSITE MATERIAL REINFORCEMENT OF LEAF SPRING
79	DESIGN AND ANALYSIS OF PRESSURE VESSEL USING COMPOSITE MATERIAL
80	DESIGN AND OPTIMIZATION OF AXIAL FLOW COMPRESSOR
81	DYNAMIC ANALYSIS OF CRACKS IN COMPOSITE MATERIAL
82	EFFECT OF ORIENTATION ANGLE OF ELLIPTICAL HOLE IN THERMOPLASTIC COMPOSITE PLATE AT DIFFERENT LOADS
83	EFFECT OF TYRE OVERLOAD AND INFLATION PRESSURE ON ROLLING LOSS (RESISTANCE) AND FUEL CONSUMPTION OF AUTOMOBILE CARS
84	FAILURE ANALYSIS OF SINGLE BOLTED JOINTS UNDER VARIOUS LOADS IN COMPOSITE MATERIALS
85	FINITE ELEMENT ANALYSIS OF THE EFFECT OF MOTORCYCLE HELMET MATERIALS AGAINST IMPACT VELOCITY
86	IMPACT OF MISALIGNMENT'S ON ROOT STRESSES OF HYPOID GEAR SETS
87	INFLUENCE OF CUTTING PARAMETERS ON THRUST FORCE AND TORQUE IN DRILLING
88	MECHANICAL PROPERTIES OF FRICTION STIR BUTT-WELDED AL7475& 6061 PLATE
89	MINIMIZATION OF SINK MARK DEFECTS IN INJECTION MOLDING PROCESS OPTIMIZATION OF A COMPOSITE DRIVE SHAFT USED IN AUTOMOBILES
90	OPTIMIZATION OF HIGH SPEED TURNING PARAMETERS OF SUPER ALLOY INCONEL 718 MATERIAL USING TAGUCHI TECHNIQUE
91	SHAPE OPTIMIZATION AND DYNAMIC ANALYSIS OF MECHANICAL LOADER ARM
92	STRESS ANALYSIS OF FUNCTIONALLY GRADED DISCS UNDER MECHANICAL AND THERMAL LOADS
93	STRUCTURAL AND VIBRATION ANALYSIS OF DELAMINATED COMPOSITE BEAM

#### B.E / M-TECH PROJECT LIST-THERMAL

1	THERMAL STRESS ANALYSIS IN STEAM TURBINE ROTOR
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
6	DESIGN AND ANALYSIS OF HP STEAM TURBINE CASING FOR TRANSIENT STATE CONDITION
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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