



## AUTOMOBILE ENGINEERING TOPICS

| SL NO | TITTLE  |
|-------|---|
| AE001 | FABRICATION OF CRUISE CONTROL FOR VEHICLES                                      |
| AE002 | FABRICATION OF BREAK FAILURE INDICATOR FOR FOUR WHEEL                           |
| AE003 | FABRICATION OF BREAK FAILURE ALERT  |
| AE004 | FABRICATION OF VEHICLE OVER SPEED INDICATOR AND IGNITION CUTOFF SYSTEM          |
| AE005 | FABRICATION OF ELECTRIC BIKE WITH SAFETY SYSTEM                                 |
| AE006 | FABRICATION OF AUTOMATIC COOLANT TEMPERATURE CONTROL SYSTEM IN AUTOMOBILES      |
| AE007 | FABRICATION MOTORIZED GRASS CUTTER  |
| AE008 | FABRICATION OF ENERGY PRODUCTION FROM VEHICLE SUSPENSION SYSTEM                 |
| AE009 | FABRICATION OF AUTOMATIC COOLANT TEMPERATURE CONTROL SYSTEM IN AUTOMOBILES      |
| AE010 | FABRICATION OF INTELLIGENT CAR SECURITY SYSTEM USING DIGITAL CODE               |
| AE011 | FABRICATION OF ULTRASONIC OPERATED BRAKE SYSTEM                                 |
| AE013 | FABRICATION OF AMPHIBIOUS CAR   |
| AE014 | FABRICATION OF AUTOMATIC STANDING WHEEL CHAIR                                   |
| AE015 | FABRICATION OF ELECTRIC BIKE WITH SAFETY SYSTEM                                 |
| AE016 | FABRICATION OF INCREASING ENGINE EFFICIENCY BY EXHAUST SYSTEM. MODIFIES BRAKING |
| AE017 | DESIGN AND FABRICATION OF REAL TIME ROCKER BOGIE MECHANISED ROBOT               |
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|-------|---|
| AE018 | FABRICATION OF ELECTRIC/ENGINE ALL TERRIAN VEHICLES   |
| AE019 | FABRICATION OF REAL TIME ADVANCED 5 IN 1 MULTI PURPOSE AGRICULTURAL VEHICLE -( AGRI VEHICLE ) |
| AE020 | FABRICATION OF REGENERATIVE BREAKING SYSTEM - ELECTRIC  |
| AE021 | DESIGN AND FABRICATION OF SELF BALACING BICYCLE   |
| AE022 | FABRICATION OF ANDROID CONTROLLED SCREW JACK  |
| AE023 | FABRICATION OF VEHICLE SAFETY USING POWER WINDOW MECHANISM                                    |
| AE024 | FABRICATION OF AUTOMATIC RAIN OPERATED WIPER HOVER CRAFT MODULE                               |
| AE025 | FABRICATION OF FLYWEEL BASED REGENERATIVE BREAKING SYSTEM FOR BICYCLE                         |
| AE026 | DEVELOPMENT AND FABRICATION OF ELECTRIC VEHICLE   |
| AE027 | FABRICATION OF UNMANNED FIGHTER FOR ARMY OPERATIONS   |
| AE028 | FABRICATION OF REMOTE CONTROLLED WHEEL CHAIR CUM BED FOR PHYSICALLY HANDICAPPED               |



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| AE029 | FABRICATION OF AUTOMATIC MATERIAL HANDLING ROBOT                                  |
| AE030 | FABRICATION OF AUTO GUIDED VEHICLE  |
| AE031 | FABRICATION OF VOICE CONTROLLED WHEEL CHAIR                                       |
| AE032 | FABRICATION OF MOTORIZED SCREW JACK   |
| AE033 | FABRICATION OF EFFICIENT CAR PARKING FOR FOUR WHEEL                               |
| AE034 | FABRICATION OF RAILWAY GATE CONTROLLER  |
| AE035 | FABRICATION OF MOTORIZED HYDRAULIC JACK   |
| AE036 | FABRICATION OF CAR THEFT AND ACCIDENT PREVENTER                                   |
| AE037 | FABRICATION OF ELCTROMAGNETIC BREAK   |
| AE038 | FABRICATION OF HYBRID VEHICLE   |
| AE039 | FABRICATION OF INTELLIGENT PNEUMATIC BUMBER TO RADUCE COLLION EFFECT              |
| AE040 | FABRICATION OF AUTOMATIC INBUILT CAR COVER  |
| AE041 | FABRICATION OF INTELLIGENT CAR ROOF TOP SOLAR                                     |
| AE042 | FABRICATION OF REALTIME STAIR CLIMBING WHEELCHAIR                                 |
| AE043 | FABRICATION OF 360 DEGREE ROTATION TIPPING BULLOCKART                             |
| AE044 | FABRICATION OF IC ENGINE POWERED MINI POWER TILLER AND WEEDER                     |
| AE045 | FABRICATION OF ELECTRONIC CONTROLLED ZERO RADIUS TURNING VEHILE                   |
| AE046 | FABRICATION OF FOUR WHEEL STEERING VEHICLE  |
| AE047 | DESIGN AND DEVELOPMENT OF TRAIN TRACK ELECTRICTY GENERATION                       |
| AE048 | DESIGN AND DEVELOPMENT OF ADVANCED JET ENGINE                                     |
| AE049 | DESIGN AND DEVELOPMENT INCREASING ENGINES EFFICEINCY BY INTRODUCING TURBO CHARGER |
| AE050 | DESIGN AND FABRICATION OF SPEED CONTROL OF VEHICLE USING RFID                     |
| AE051 | FABRICATION OF PEDAL OPERATED 360 DEGREE VEHICLE                                  |
| AE052 | FABRICATION OF ROTARY PARKING SYSTEM  |
| AE053 | DESIGN AND DEVELOPMENT OF SELF BALANCING TWO WHEELER                              |



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| AE054 | DESIGN AND DEVELOPMENT GPS BASED SPEED CONTROLLER FOR VEHICLES       |
| AE055 | DEVELOPMENT AND FABRICATION OF RFID BASED SPEED CONTROLLER           |
| AE056 | DEVELOPEMNT AND FABRICATION OF FRONT SHIELD FOR TWO WHEELERS         |
| AE057 | DEVELOPMENT AND FABRICATION ELECTRONIC SOLOINOID ENGINE V4           |
| AE058 | DEVELOPMENT AND FABRICATION ENGINE POWERED PNEUMATIC FORKLIFT SEGWAY |
| AE059 | AUTOMATIC HEAD LIGHT CONTROL IN AUTOMOBILE                           |
| AE060 | SENSOR OPERATED FIRE FIGHTING AGV                                    |
| AE061 | DEVELOPMENT AND FABRICATION OF TRAIN WASTE SEGGREGATION MACHINE      |



## SOLAR AND POWER GENERATION CONCEPT BASED TOPICS

| SL NO | TITLE  |
|-------|--|
| SG001 | FABRICATION OF INTELLIGENT SOLAR PANEL WITH RAYS TRACKING TECHNOLOGY |
| SG002 | FABRICATION OF SOLAR LIGHT TUBING                                    |
| SG003 | FABRICATION OF PEIZO ENERGY IN SHOES                                 |
| SG004 | FABRICATION OF ELECRCITY GENERATION FROM EXHAUST GAS                 |
| SG005 | FABRICATION OF SOLAR WATER PURIFIER                                  |

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|-------|--|
| SG006 | FABRICATION OF SUSPENSION ELECTRICITY                                    |
| SG007 | FABRICATION OF DUAL AXIS SOLAR TRACKING SYSTEM WITH PANEL COOLING        |
| SG008 | FABRICATION OF SOLAR ROBOTIC VACUUM CLEANER                              |
| SG009 | FABRICATION OF SOLAR TRACKING WIND MILL                                  |
| SG010 | FABRICATION OF NON-CONVENTIONAL DOOR BASED POWER GENERATION SYSTEM       |
| SG011 | FABRICATION OF SOLAR SHIP PROJECT REPORT                                 |
| SG012 | FABRICATION OF POWER GENERATION USING SPEED BREAKERS                     |
| SG013 | FABRICATION OF TAP WATER POWER GENERATION                                |
| SG014 | FABRICATION OF SHOCK OBSERVER POWER GENERATION                           |
| SG015 | FABRICATION OF AUTOMATIC SOLAR TRAFFIC LIGHT                             |
| SG016 | FABRICATION OF SOLAR PANEL TILTING SYSTEM FOR MAXIMUM ENERGY PRODUCTION  |
| SG017 | FABRICATION OF HYBRID POWER GENERATION –SOLAR AND WIND POWER GENERATION  |
| SG018 | FABRICATION OF MULTI-SEASONAL POWER GENERATION-SOLAR-WIND AND HYDROPOWER |



|       |   |
|-------|---|
| SG019 | FABRICATION OF SMART SOLAR POWER GENERATION WITH PANEL CLEANING TECHNOLOGY    |
| SG020 | FABRICATION OF SOLAR POWER PESTICIDE SPREYOR                                  |
| SG021 | FABRICATION OF IOT BASED SMART SOLAR FOR DOMESTIC PURPOSE                     |
| SG022 | FABRICATION OF POWER GENERATION FROM TRAIN TRACK-HELICAL TURBINE CONCEPT      |
| SG023 | FABRICATION OF WIND AND SOLAR POWERED VEHICLE                                 |
| SG024 | FABRICATION OF SMART CAR ROOF TOP SOLAR                                       |
| SG025 | FABRICATION OF SOLAR POWERED GRASS CUTTER                                     |
| SG026 | FABRICATION OF SOLAR POWERED DRILL MACHINE                                    |
| SG027 | FABRICATION OF BIOGAS DIGESTER  |
| SG028 | FABRICATION OF SOLAR PANEL COLLING SYSTEM USING PARAFIN WAX AT PANEL BOTTOM   |
| SG029 | FABRICATION OF FOOT STEP POWER GENERATION                                     |
| SG030 | FABRICATION OF HUMP POWER GENERATION  |
| SG031 | FABRICATION OF GYM POWER GENERATION   |
| SG032 | FABRICATION OF SOLAR POWERED MULTIPLE MACHINING-DRILLING-GRINDING AND CUTTING |
| SG033 | FABRICATION OF REAL-TIME WINDMILL FOR HOME, COLLAGES                          |
| SG034 | FABRICATION OF HYDROPOWER GENERATION FROM PELTON WHEEL                        |
| SG035 | FABRICATION OF SOLAR MODULE FOR WATER PUMP FOR AGRICULTURE                    |
| SG036 | FABRICATION OF TREADMILL POWER GENENRATION                                    |
| SG037 | FABRICATION OF SEA WAVES POWER GENERATION                                     |
| SG038 | FABRICATION OF SOLAR POWERED ELECTRIC BIKE                                    |
| SG039 | FABRICATION OF WINDMILL POWERED WATER PUMP                                    |
| SG040 | SOLAR POWERED VEGITABLE COOLER  |
| SG041 | DESIGN AND DEVELOPMENT OF PORTABLE HYDRO TURBINE                              |
| SG042 | DESIGN AND DEVELOPMENT OF SOLAR FRUIT DRIER                                   |
| SG043 | FABRICATION OF SOLAR POWERED ROOM HUMIDIFIER                                  |



## AGRICULTURAL AND IRRIGATIONAL BASED PROJECTS

| SL NO | TITTLE   |
|-------|--|
| AI001 | DESIGN AND FABRICATION TREE CLIMBING PESTICIDE SPRAYER ROBOT                               |
| AI002 | FABRICATION OF MULTI-PURPOSE GROUND DRYER  |
| AI003 | FABRICATION OF MOTORIZED GRASS CUTTER  |
| AI004 | FABRICATION OF IOT BASED AGRIBOT   |
| AI005 | FABRICATION OF MULTI CROP HARVESTER MACHINE  |
| AI007 | FABRICATION OF SEED SOWING AND HARVESTER   |
| AI008 | FABRICATION OF PEDAL CHAFF CUTTER AND CORN DESEEDNG  |
| AI009 | FABRICATION OF PADDY HARVESTOR   |
| AI010 | FABRICATION OF GROUNDNUT SHELLING SEPARATOR  |
| AI011 | FABRICATION OF TEG BASED ELECTRIC GENERATOR  |
| AI012 | FABRICATION OF SOIL MOISTURE WITH ROBOT HARVESTOR  |
| AI013 | FABRICATION OF WHEEL BASED SEED SOWING   |
| AI014 | SOLAR POWERED VEGITABLE COOLER   |
| AI015 | FABRICATION OF REAL TIME ADVANCED 5 IN 1 MULTI PURPOSE AGRICULTURAL VEHICLE – AGRI VEHICLE |
| AI016 | FABRICATION OF FOOD WASTE INCINERATION CH4 GAS PRODUCTION.                                 |
| AI017 | FABRICATION OF WHEEL CARRIED PESTICIDE SPREYER   |
| AI018 | FABRICATION OF MULTI PURPOSE TOOL DRIVEN MACHINE ( DIGGING, PLOUGHING, LEVELING)           |
| AI019 | FABRICATION OF AUTOMATIC SEED SOWING MACHINE   |
| AI020 | FABRICATION OF SEED SOWING MULTI ROBOTS ( SWORM ROBOTS )                                   |
| AI021 | FABRICATION OF COCONUT TREE CLIMBING ROBOT   |
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|-------|---|
| AI022 | FABRICATION OF REAL TIME MAIZE SEED SEPARATOR                                       |
| AI023 | DEVELOPMENT OF PADDY HARVESTING MACHINE ( RUBBER ROLERS)                            |
| AI024 | FABRICATION OF SOLAR SEED DRYER   |
| AI025 | FABRICATION OF HYDRAULIC 3 AXIS MODERN TRAILER                                      |
| AI026 | WATER PUMPING SYSTEM USING WIND POWER   |
| AI027 | FABRICATION OF SOLAR SEEDS SPRAYER  |
| AI028 | FABRICATION OF SOLAR IRRIGATION SYSTEM  |
| AI029 | DESIGN AND FABRICATION OF SUGARCANE HARVESTER USING SAW CHAIN (SOLAR OPERATED )     |
| AI030 | FABRICATION OF ADVANCED 5 IN 1 MULTI PURPOSE AGRICULTURAL ROBOTIC VEHICLE (AGRIBOT) |
| AI031 | FABRICATION OF WHEAT HARVESTING MACHINE   |
| AI033 | DEVELOPEMNT OF SOIL MOISTURE CONTROL VEHICLE / ROBOT                                |
| AI034 | DESIGN AND FABRICATION OF PESTICIDE SPRAYING DRONE                                  |
| AI035 | DEVELOPMENT AND FABRICATION ONION DETOPING AND SIZE WISE SORTING MACHINE            |
| AI036 | FABRICATION OF KITCHEN WASTE COMPOSTING MACHINE ( INCINERATION TECHNIQ )            |





## INDUSTRIAL AUTOMATION BASED PROJECTS

| SL NO | TITLE  |
|-------|--|
| IA001 | FABRICATION OF UNIVERSAL HYDRAULIC, HOSE PIPE CUTTING MACHINE  |
| IA002 | FABRICATION OF HYDRAULIC PULLER FOR INDUSTRIES   |
| IA003 | FABRICATION OF REAL TIME MONITORING AND ALARM SYSTEM WITH WATER PUMPING SYSTEM FOR INDUSTRIAL AND DOMESTIC |
| IA004 | FABRICATION OF HELICAL SPRING LOAD TESTING MACHINEAGR  |
| IA005 | FABRICATION OF GENIVA MECHANISM CONVEYAR   |
| IA006 | FABRICATION OF AUTOMATION IN SPOT WELDING  |
| IA007 | FABRICATION OF CONVERSION OF SALTY WATER INTO PURE WATER BY SAFE WATER TECHNIQUE                           |
| IA008 | FABRICATION OF MINI CONVEYOR USING GENEVA MECHANISM  |
| IA009 | FABRICATION OF CHAINLESS BICYCLE   |
| IA010 | FABRICATION OF FLOOR CLEANING WITH GARBAGE COLLECTOR   |
| IA011 | FABRICATION OF FUEL EXCTRACTION FROM PLASTIC   |
| IA012 | FABRICATION OF PORTABLE REFRIDGERATION   |
| IA013 | FABRICATION OF DEMAGNET, WASHING AND AIR CLEANING CONVEYOR   |
| IA014 | FABRICATION OF GENEVA BASES BOX FILLING  |
| IA015 | FABRICATION OF COFEE COMPOSTING  |

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| IA016 | FABRICATION OF VERTICAL AXIS WINDMILL WITH LAMP (STREET LIGHT )                       |
| IA017 | FABRICATION OF MODIFIED VERTICAL AXIS ( BLADE LESS TYPE VIBRATIONL )                  |
| IA018 | FABRICATION OF PIPE INSPECTION  |
| IA019 | FABRICATION OF IOT BASED WATER PURIFIER   |
| IA020 | FABRICATION OF EXTRACTION OF CRUID OIL FROM PLASTIC                                   |
| IA021 | FABRICATION OF SMART ASSEMBLY LINE INDUSTR (WASHING, DRYING, OILING, AND DESPATCHING) |
| IA022 | FABRICATION OF ALUMINIUM STIRR WELDING MACHINE  |
| IA023 | FABRICATION OF PANTHOGRAPHY WORDS CARVING   |
| IA024 | FABRICATION OF AUTOMATION ON DRILLING MACHE   |
| IA025 | FABRICATION OF AUTOMATIC MEDICINE EXPIRY DATE RECOGNISATION                           |
| IA026 | FABRICATION OF PELTIER BASED COOLING SYSTEM   |
| IA027 | FABRICATION OF TYRE INFLATION   |
| IA028 | FABRICATION OF 3 IN 1 MULTIPURPOSE MACHINE (DRILING, MILLING AND HACKSAW)             |
| IA029 | FABRICATION OF MILLING MACHINE  |
| IA030 | FABRICATION OF SAFEST SAW MILL ( SENSOR BASED)  |
| IA031 | FABRICATION OF REMOTE OPERATED DRILLING MACHINE                                       |
| IA032 | FABRICATION OF SCRAP COLLECTING TROLLEY   |
| IA033 | FABRICATION OF SMART FORK LIFT  |
| IA034 | FABRICATION OF CEMENT PLASTERING MACHINE  |
| IA035 | FABRICATION OF AUTOMATIC BOTTLE FILLING MACHINE                                       |
| IA036 | FABRICATION OF MULTI POINT DRILLING MACHINE   |
| IA037 | FABRICATION OF MULTI NUT REMOVER FOR VEHICLE WHEELS                                   |
| IA038 | FABRICATION OF AUTOMATIC DRILLIG AND TAPPING MACHINE                                  |
| IA039 | FABRICATION OF SMART CONVEYOR FOR QUALITY CONTROL                                     |
| IA040 | FABRICATION OF PENDULUM BASED WATER PUMP  |
| IA041 | FABRICATION OF HYBRID POWERED DRILLING MACHINE  |
| IA042 | FABRICATION OF SMART PICK AND PLACE CONVEYOR WITH DIGITAL COUNTER                     |



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| IA043 | FABRICATION OF LINE FOLLOWING FORK LIFT   |
| IA044 | FABRICATION OF BOARD CLEANING MACHINE USING RACK AND PINION MECHANISM                     |
| IA045 | FABRICATION OF AUTOMATIC AYURVEDIC STIRRING MACHINE                                       |
| IA046 | FABRICATION OF SEWAGE CLEANER   |
| IA047 | FABRICATION OF AUTOMATIC HIEGHT ADJUSTABLE SEWAGE CLEANER                                 |
| IA048 | DESIGN AND FABRICATION OF ELECTROMAGNETIC ENGINE  |
| IA049 | FABRICATION OF AUTOMATIC FOOT CLEANER   |
| IA050 | FABRICATION OF GLASS CLEANING MECHANISM   |
| IA051 | FABRICATION OF PORTABLE VEGETABLE CUTTER AND SLICER                                       |
| IA052 | FABRICATION OF GROUNDNUT THRUSTER   |
| IA053 | FABRICATION OF REAL TIME RAGI BALL MAKING MACHINE   |
| IA054 | FABRICATION OF TMT BAR BENDING MACHINE ( PNEUMATIC)                                       |
| IA055 | DESIGN AND FABRICATION OF GEARLESS POWER TRANSMISSION                                     |
| IA056 | FABRICATION OF MAGTNETIC MATERIAL COLLECTING TROLLY BY USING ELECTROMAGNETIC              |
| IA057 | FABRICATION OF TMT BAR BENDING MACHINE ( PNEUMATIC)                                       |
| IA058 | FABRICATION OF PLASTIC SHREDDING MACHINE  |
| IA059 | FABRICATION OF CLOTH SHREDDING MACHINE  |
| IA060 | FABRICATION OF TANK CLEANING MACHINE  |
| IA061 | DESIGN AND FABRICATION OF AUTOMATIC BIOMETRIC BASED RATION VENDING MACHINE                |
| IA062 | FABRICATION OF SMART SENSOR BASED HOUSE ROOFING ( RAIN AND LIGHT SENSOR BASED)            |
| IA063 | FABRICATION OF PVC PIPE CUTING MACHNE   |
| IA064 | FABRICATION OF ROPE CLIMBING ROBOT  |
| IA065 | FABRICATION OF AUTOMATIC PAPER BAG MAKING MACHINE   |
| IA066 | FABRICATION OF SEMI AUTOMATIC POT MACHING MACHINE   |
| IA067 | FABRICATION OF GENEVA WHEEL BASED SHEET / PAPER CUTTING MACHINE                           |
| IA068 | DEVELOPMENT AND FABRICATION OF TRAIN WASTE SEGGREGATION MACHINE                           |
| IA069 | DEVELOPMENT AND FABRICATION OF WASTE SEGGREGATION MACHINE –WOOD, METAL, GLASS AND PLASTIC |



## MECHATRONICS AND ROBOTICS

| SL NO | TITLE  |
|-------|--|
| MR001 | FABRICATION OF CRACK DETECTOR ROBOT FOR RAILWAY TRACK INSPECTION                                 |
| MR002 | FABRICATION OF COVIDCARE ROBOT   |
| MR003 | FABRICATION OF SMART DUSTBIN WITH GPS  |
| MR004 | DESIGN AND FABRICATION OF ROCKER BOGIE MECHANISM BASED VEHICLE                                   |
| MR005 | FABRICATION OF SUCTION BASED GLASS/Floor CLENIING ROBOT  |
| MR006 | FABRICATION OF LUNGS CAPACITY DETECTOR   |
| MR007 | FABRICATION OF FACE RECOGNISATION ATTENDENCE AND TEMP , DISPENSOR                                |
| MR008 | DESIGN AND FABRICATION OF AUTOMO UNMANNED ROBOT  |
| MR009 | DESIGN AND FABRICATION OF SMART FLOATING TRASH COLLECTOR   |
| MR010 | DEVELOPMENT OF SMART MINING TRUCK ( WIRELESS CONTROLL, VISUAL, AUTO SENSOR & AUTO LOAD SENSING ) |
| MR011 | DESIGN AND FABRICATION OF FLEX SENSOR BASED ROBOTIC AMR  |
| MR012 | DESIGN AND FABRICATION OF MOTORISED WHEEL CHAIR  |
| MR013 | HEAD MOTION CONTROLLED WHEEL CHAIR   |
| MR014 | FABRICATION OF AUTOMATIC MEDICINE EXPIRY DATE RECOGNISATION                                      |
| MR015 | DESIGN AND FABRICATION OF VOICE OPERATED EXOSKELETON FOR PARALISED PEOPLES                       |
| MR016 | DESIGN AND FABRICATION OF FIRE FIGHTING ROBOT  |
| MR017 | DESIGN AND FABRICATION OF REMOTE OPERATED PESTICIDE SPREYOR                                      |
| MR018 | FABRICATION OF RESCUER DEVICE FOR LIFTING INFANTS STRUCK IN PITS                                 |
| MR019 | FABRICATION OF PICK AND PLACE USING MOVING VEHICLE THROUGH REMOTE                                |



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| MR020 | FABRICATION OF WALL PAINTING ROBOT   |
| MR021 | FABRICATION AND DEVELOPMENT OF DATA ACQUISITION ROBOT FOR TOXIC ENVIROMENTAL MONITORING USING WSN – KROTO FINDER |
| MR022 | FABRICATION OF WASTE SAPERATION USING SMART DUSTBIN  |
| MR023 | FABRICATION OF DRY AND WET WASTE SEGGREGATOR   |
| MR024 | FABRICATION OF REMOTE CONTROLLED PATIENTS BED SEAT ADJUSTMENTS   |
| MR025 | FABRICATION OF VOICE ENABLED WHEEL CHAIR   |
| MR026 | FABRICATION OF RFID BASED SPEED CONTROL OF VEHICLE   |
| MR027 | FABRICATION OF SMART HEADLAMP FOR AUTOMOBILES  |
| MR028 | FABRICATION OF DRIVING SAFETY SYSTEMS ( ALCOHOL DETECTION, SLEEP DETECTION I.E. EYE BLINK)                       |
| MR029 | FABRICATION OF SMART PILL BOX FOR PATEINT MEDICINE MANAGEMENT  |
| MR030 | DESIGN AND FABRICATION OF 5 IN 1 MULTIPURPOSE AGRICULTURAL ROBOT   |

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|-------|---|
| MR031 | DESIGN AND FABRICATION OF WINDOW/ GLASS CLEANING MECHANISM  |
| MR032 | DESIGN AND FABRICATION OF AGRICULTURAL ROBOT  |
| MR033 | FABRICATION OF ROPE CLIMBING ROBOT  |
| MR034 | DEVELOPMENT OF HEAD MOTION CONTROLLED WHEELCHAIR  |
| MR035 | DEVELOPMENT OF SKY SCRAPER EMERGENCY SAFE LANDING ( SKY SAVER )   |
| MR036 | DEVELOPMENT OF SMART MINING TRUCK WITH WIEGHT SENSING SENSOR  |
| MR037 | DEVELOPMENT OF SMART WATCH FOR MINING SAFETY ENGINEERS DETECTING HARMFULL GASEOUS AND TEMP AND HUMIDITY |
| MR038 | DESIGN AND FABRICATION OF PESTICIDE SPRAYING DRONE  |
| MR039 | DEVELOPMENT OF HAND GESTURE CONTROLL ROBOT / VEHICLE  |



## HYDRAULICS AND PNEUMATICS

| SL NO | TITLE   |
|-------|---|
| HP001 | FABRICATION OF PNEUMATIC DOOR OPEN CLOSE MECHANISM                            |
| HP002 | FABRICATION OF PNEUMATIC MANGO CUTTING MACHINE                                |
| HP003 | FABRICATION OF PNEUMATIC SAND FILTER  |
| HP004 | FABRICATION OF PNEUMATIC SCISSOR JACK   |
| HP005 | FABRICATION OF PNEUMATIC HOLDING GRIPPER                                      |
| HP006 | FABRICATION OF PNEUMATIC PAPER CUP MAKING MACHINE                             |
| HP007 | FABRICATION OF GYRO BASED EXOSKELETON   |
| HP008 | FABRICATION OF EXHAUST AQUA SILENCER  |
| HP009 | FABRICATION OF POWER SAVING REGENERATIVE HYDRAULIC CIRCUIT                    |
| HP010 | FABRICATION OF PNEUMATIC BASED EXOSKELETON ARM                                |
| HP011 | DESIGN AND FABRICATION OF 360 ° FLEXIB SHOCK ABSORBER PNEUMATIC ARM           |
| HP012 | FABRICATION OF INTELLIGENT REVERSE PNEUMATIC BRAKING SYSTEMS                  |
| HP013 | FABRICATION OF AIR BRAKING SYSTEM USING EXHAUST GAS                           |
| HP014 | FABRICATION OF PNEUMATIC OPERATED EMERGENCY OVERWING EXIT SYSTEM IN AIRCRAFTS |
| HP015 | FABRICATION OF BUTTON OPERATED PNEUMATIC JACK FOR CARS                        |
| HP016 | FABRICATION OF 360° ROTATING DUMPER-PNEUMATICS/HYDRAULICS                     |
| HP017 | FABRICATION OF SMART CAN CRUSHER USING PNEUMATIC CYLINDER                     |
| HP018 | FABRICATION OF PNEUMATIC RAMMING MACHINE ( MICRCONTROLLER BASED)              |

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|-------|---|
| HP019 | FABRICATION OF PNEUMATIC OPERATED JACK SAW                      |
| HP020 | FABRICATION OF SMART PNEUMATIC BASED WATER PUMP WITH SMS ALERTS |
| HP021 | FABRICATION OF PNEUMATIC OPERATED DRILLING MACHINE              |
| HP022 | FABRICATION OF VOICE OPERATED PNEUMATIC EXOSKELETON             |
| HP023 | FABRICATION OF PNEUMATIC LAB TRAINER MODULE                     |
| HP024 | FABRICATION OF REALTIME HYDRAULIC 360° ROTATING DUMPER          |
| HP025 | FABRICATION OF HYDRAULIC BASED COCONUT DEHUSKING MACHINE        |
| HP026 | FABRICATION OF HYDRAULIC OPERATED REALTIME TREE MOVER           |
| HP027 | FABRICATION OF PNEUMATIC POWERED GARBAGE DUMPING CART FOR BBMP  |



## COMPOSITE MATERIAL



| SL NO | TITTLE   |
|-------|--|
| CM001 | MECHANICAL BEHAVIOUR OF E-GLASS AND ALUMINIUM HYBRID COMPOSITE                                     |
| CM002 | FABRICATION COMPOSITE MATERIAL WITH VACUUM BAG TECHNIQ   |
| CM003 | FABRICATION OF E GLASS AND BAGASS WATER ABSORBANT TEST   |
| CM004 | FABRICATION OF NATURAL FIBRE AND POLYMER COMPOSITE   |
| CM005 | MECHANICAL BEHAVIOUR OF E-GLASS, EPOXY REINFORCED WITH FILLER MATERIALS (rubber powder ) COMPOSITE |
| CM006 | MECHANICAL BEHAVIOUR OF E-GLASS SUGARCANE BAGASS NATURAL HYBRID COMPOSITE                          |
| CM007 | MECHANICAL BEHAVIOUR OF E-GLASS, EPOXY REINFORCED WITH FILLER MATERIALS ( E- WASTE ) COMPOSITE     |
| CM008 | MECHANICAL BEHAVIOUR COCONUT COIR FIBER REINFORCED WITH EPOXY POLYMER                              |
| CM009 | MECHANICAL BEHAVIOUR OF E-GLASS WITH CHICKEN FIBRE   |
| CM010 | COMPOSITES USING VACUUM BAGGING METHODS  |
| CM011 | MECHANICAL BEHAVIOUR OF S-GLASS AND ALUMINIUM HYBRID COMPOSITE                                     |
| CM012 | MECHANICAL BEHAVIOUR OF E-GLASS JUTE NATURAL HYBRID COMPOSITE                                      |
| CM013 | MECHANICAL BEHAVIOUR OF S-GLASS JUTE NATURAL HYBRID COMPOSITE                                      |
| CM014 | MECHANICAL BEHAVIOUR OF E-GLASS, EPOXY REINFORCED WITH FILLER MATERIALS (BAMBOO FIBRE ) COMPOSITE  |
| CM015 | MECHANICAL BEHAVIOUR OF E-GLASS WITH CHICKEN FIBRE AND COCONUT COIR                                |





## DESIGN AND ANALYSIS BASED PROJECTS

| SL NO | TITLE   |
|-------|---|
| DA001 | DESIGN OPTIMIZATION OF CONNECTING ROD FOR STATIC LOADING CONDITIONS                                   |
| DA002 | DESIGN OPTIMIZATION OF COMBUSTION CHAMBER FOR TURBO COMBUSTION ENGINE USING FEA                       |
| DA003 | STATIC & MODAL ANALYSIS OF COMPOSITE BRACKET ASSEMBLY   |
| DA004 | DESIGN OPTIMIZATION OF HYPOID GEAR BY USING STRUCTURAL ANALYSIS                                       |
| DA005 | FATIGUE ANALYSIS AND DESIGN OPTIMIZATION OF A DIGGER ARM  |
| DA006 | DESIGN OPTIMIZATION OF DISK BRAKE BY USING FINITE ELEMENT ANALYSIS                                    |
| DA007 | DESIGN AND BUCKLING STRENGTH EVALUATION OF A LIFTING BEAM FOR 350 TONNES THROUGH FEA                  |
| DA008 | MODELING AND ANALYSIS OF A MASTER CYLINDER  |
| DA009 | MODELING AND ANALYSIS OF IC ENGINE PISTON WITH COMPOSITE MATERIAL                                     |
| DA010 | DESIGN AND ANALYSIS OF A RAIL WHEEL ASSEMBLY OF RAIL MOUNTED STORAGE CUM RESTING FIXTURE 60T CAPACITY |
| DA011 | NOZZLE DESIGN AND SEPARATION MARGIN EVALUATION FOR RELIABILITY OF TURBINE BLADE                       |
| DA012 | DESIGN OF INTERFACE STRUCTURE OF WIND TOWER   |
| DA013 | DESIGN AND ANALYSIS OF BLEED IN STEAM TURBINE CASING  |



|       |  |
|-------|--|
| DA014 | SKIN INSTABILITIES IN HONEYCOMB STRUCTURES OF AN AIR CRAFT WING  |
| DA015 | BEACON LIGHT ANALYSIS IN FUSELAGE STRUCTURE OF AN AIRCRAFT   |
| DA016 | LOAD ANALYSIS AND MULTI BODY DYNAMICS ANALYSIS OF CONNECTING ROD IN SINGLE CYLINDER 4 STROKE ENGINE  |
| DA017 | FAILURE ANALYSIS OF STEAM TURBINE ROTOR DUE TO LOW FLOW CONDITIONS   |
| DA018 | BUS BODY ANALYSIS FOR DIFFERENT LOADING CONDITION  |
| DA019 | DESIGN AND ANALYSIS FLOOR BEAM IN AIRCRAFT STRUCTURE   |
| DA020 | DESIGN AND ANALYSIS OF DUMPING TRUCK FLOOR BED   |
| DA021 | STATIC & DYNAMIC ANALYSIS OF IMPELLER & SHAFT OF SUBMERSIBLE PUMP & COMPRESSOR DOMAIN  |
| DA022 | DESIGN & STATIC ANALYSIS OF WING BOX(J-NOSE PANEL, HONEY COMB STRUCTURES) STRUCTURE OF AN AIR CRAFT- AIR CRAFT DOMAIN  |
| DA023 | STRUCTURAL & CFD ANALYSIS OF AIR RELEASE & VACUUM BREAK VALVES(-VALVE DOMAIN   |
| DA024 | DESIGN OF INTERFACE STRUCTURE OF WIND TOWER  |
| DA025 | DESIGN AND ANALYSIS OF BLEED IN STEAM TURBINE CASING   |
| DA026 | SKIN INSTABILITIES IN HONEYCOMB STRUCTURES OF AN AIR CRAFT WING  |
| DA027 | DEVELOPMENT OF AIR RELEASE VALVE / ANTI VACUUM VALVE (COMBINATION VALVE) FOR HIGH PRESSURE HYDRO POWER PLANTS  |
| DA028 | LOAD ANALYSIS AND MULTI BODY DYNAMICS ANALYSIS OF CONNECTING ROD IN SINGLE CYLINDER 4 STROKE ENGINE 21<br>FAILURE ANALYSIS OF STEAM TURBINE ROTOR DUE TO LOW FLOW CONDITIONS |
| DA029 | STATIC AND DYNAMIC ANALYSIS OF BUS BODY  |
| DA030 | THERMAL STRESS ANALYSIS IN STEAM TURBINE ROTOR   |
| DA031 | STUDY OF STEADY STATE THERMAL ANALYSIS OF STEAM TURBINE CASING   |
| DA032 | THERMAL ANALYSIS OF ENERGY AND EXERGY OF BACK PRESSURE STEAM TURBINE IN SUGAR COGENERATION PLANT   |
| DA033 | TRANSIENT THERMAL ANALYSIS OF A STEAM TURBINE ROTOR  |



|       |   |
|-------|---|
| DA034 | DESIGN AND ANALYSIS OF HP STEAM TURBINE CASING FOR TRANSIENT STATE CONDITION  |
| DA035 | CALCULATION OF THERMAL STRESS AND FATIGUE LIFE OF 1000 MW STEAM TURBINE ROTOR   |
| DA036 | STATIC AND THERMAL ANALYSIS OF TURBINE BLADE OF TURBOCHARGER  |
| DA037 | THERMAL AND DYNAMIC ANALYSIS OF BEARING ASSEMBLY FOR SMALL SIZE STEAM TURBINE   |
| DA038 | DESIGN AND ANALYSIS OF HP STEAM TURBINE CASING FOR TRANSIENT STATE CONDITION  |
| DA039 | CALCULATION OF THERMAL STRESS AND FATIGUE LIFE OF 1000 MW STEAM TURBINE ROTOR   |
| DA040 | STATIC AND THERMAL ANALYSIS OF TURBINE BLADE OF TURBOCHARGER  |
| DA041 | NON-STATIONARY TEMPERATURE STRESSES IN THE INDUSTRIAL STEAM TURBINE ROTOR   |
| DA042 | THERMAL ANALYSIS OF THE STEAM BOILER FOR THE STERILIZATION PLANT AT PEPPER MARKETING BOARD  |
| DA043 | THERMAL ANALYSIS OF CLOSED FEEDWATER HEATERS IN NUCLEAR POWER PLANTS  |
| DA044 | THERMAL ANALYSIS OF SI-ENGINE USING SIMPLIFIED FINITE ELEMENT MODEL   |
| DA045 | STRUCTURAL AND THERMAL ANALYSIS OF AUTOMOTIVE DISC BRAKE ROTOR  |
| DA046 | HEAT TRANSFER ANALYSIS OF AUTOMOTIVE HEADLAMP USING CFD METHODOLOGY   |
| DA047 | TRANSIENT ANALYSIS OF DISK BRAKE BY USING ANSYS SOFTWARE  |
| DA048 | COMPUTATIONAL ANALYSIS OF DIFFERENT NANOFLUIDS EFFECT ON CONVECTIVE HEAT TRANSFER ENHANCEMENT OF DOUBLE TUBE HELICAL HEAT EXCHANGER |



## AERONAUTICAL PROJECTS

| SL NO  | TITTLE   |
|--------|--|
| AE001  | DESIGN AND FABRICATION OF OVERWING EMERGY EXIT SYSTEM                                      |
| AE002  | FABRICATION BIRD DETECTION AND DEFLECTION SYSTEM   |
| AE003  | MECHANICAL BEHAVIOUR OF S-GLASS AND ALUMINIUM HYBRID COMPOSITE                             |
| AE004  | AERODYNAMIC PERFORMANCE OF CANARD PLANE  |
| AE005  | DEVELOPMENT OF MINI JET ENGINE   |
| AE006  | FABRICATIONOF ANTI HIJACK SYSTEMS FOR AEROPLANE  |
| AE007  | DEVELOPMENT OF RFID BASED POST HIGH JACKING SYSTEM   |
| AE008  | DESIGN AND ANALYSIS 1ST CROSS SECTION OF FLOOR BEAM OF PASSANGER AIRCRAF                   |
| AE009  | D DESIGN, FINITE ELEMENT ANALYSIS AND LIFE ESTIMATION OF RADIO CONTROLLED NITRO AIRCRAFT   |
| AE0010 | DESIGN ANALYSIS AND PERFORMANCE EVALUATION OF DRONE  |
| AE0011 | FATIGUE AND FRACTURE MECHANICS ANALYSIS OF WING-FUSELAGE ATTACHMENT FITTING OF AIRCRAFT.-1 |



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