

2017-2018

MECHANICAL PROJECTS TITLES



TECHNOFIST
MECHANICAL LIST
2017-2018

TECHNOFIST a leading student's PROJECTS solution providing company established in Bangalore since 2005. With perfect infrastructure, lab set up, Work shop, Expertise faculties make our selfcompetitive service providers.

We offer PROJECTSs for all branches of Engineering and Diploma students.



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- AUTOMOBILE
- AGRICULTURAL / IRRIGATION
- INDUSTRIAL MACHINES
- PRODUCTION
- AUTOMATION
- CAD / CAM / CAE
- MECHATRONICS / ROBOTICS
- SOLAR BASED PROJECTSS
- POWER GENERATION CONCEPTS
- BI – CYCLE BASED PROJECTSS
- DESIGN AND ANALYSIS
- COMPOSITE MATERIALS

PROJECTSs are available for all branches of **ENGINEERING, DIPLOMA, MCA/BCA, and MSc/BSc.**

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MECHANICAL PROJECTSS LIST 2017-2018

	2017-2018 AUTOMOBILE BASED PROJECTS
TMA001	FABRICATION OF INTELLIGENT REVERSE BRAKING SYSTEM.
TMA002	FABRICATION OF AIR BREAK SYSTEM USING EXHAUST GAS.
TMA003	FABRICATION OF ALL TERRIAN VEHICLES
TMA004	FABRICATION OF COMPRESSED AIR VEHICLE.
TMA005	FABRICATION OF REAL TIME ADVANCED 5 IN 1 MULTI PURPOSE AGRICULTURAL VEHICLE - (AGRI VEHICLE)
TMA006	FABRICATION OF REGENERATIVE BREAKING SYSTEM - ELECTRIC
TMA007	FABRICATION OF ROTARY PARKING SYSTEM
TMA008	FABRICATION OF SCREW JACK
TMA009	FABRICATION OF VEHICLE SAFETY USING POWER WINDOW MECHANISM
TMA010	FABRICATION OF AUTOMATIC RAIN OPERATED WIPER HOVER CRAFT MODULE
TMA011	FABRICATION OF QUADCOPTER
TMA012	FABRICATION OF FLYWEEL BASED REGENERATIVE BREAKING SYSTEM
TMA013	FABRICATION OF AUTOMATED METRO TRAIN
TMA014	FABRICATION OF UNMANNED FIGHTER FOR ARMY OPERATIONS
TMA015	FABRICATION OF REMOTE CONTROLLED WHEEL CHAIR CUM BED FOR PHYSICALLY HANDICAPPED
TMA016	FABRICATION OF AUTOMATIC MATERIAL HANDLING ROBOT
TMA017	FABRICATION OF AUTO GUIDED VEHICLE
TMA018	FABRICATION OF VOICE CONTROLLED WHEEL CHAIR
TMA019	FABRICATION OF MOTORIZED SCREW JACK
TMA020	FABRICATION OF EFFICIENT CAR PARKING FOR FOUR WHEEL
TMA021	FABRICATION OF RAILWAY GATE CONTROLLER
TMA022	FABRICATION OF MOTORIZED HYDRAULIC JACK
TMA023	FABRICATION OF CAR THEFT AND ACCIDENT PREVENTER

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TMA024	FABRICATION OF ELCTROMAGNETIC BREAK
TMA025	FABRICATION OF HYBRID VEHICLE
TMA026	FABRICATION OF INTELLIGENT PNEUMATIC BUMBER TO RADUCE COLLION EFFECT
TMA027	FABRICATION OF AUTOMATIC INBUILT CAR COVER
TMA028	FABRICATION OF INTELLIGENT CAR ROOF TOP SOLAR
TMA029	FABRICATION OF REALTIME STAIR CLIMBING WHEELCHAIR
TMA030	FABRICATION OF 360 DEGREE ROTATION TIPPING BULLOCKART
TMA031	FABRICATION OF IC ENGINE POWERED MINI POWER TILLER AND WEEDER
TMA032	FABRICATION OF ELECTRONIC CONTROLLED ZERO RADIUS TURNING VEHILE
TMA032	FABRICATION OF FOUR WHEEL STEERING VEHICLE
TMA033	DESIGN AND DEVELOPMENT OF TRAIN TRACK ELECTRICTY GENERATION
TMA034	DESIGN AND DEVELOPMENT OF ADVANCED JET ENGINE
TMA035	DESIGN AND DEVELOPMENT INCREASING ENGINES EFFICEINCY BY INTRODUCING TURBO CHARGER

2017-2018 AGRICULTURAL / IRRIGATIONAL BASED PROJECTS	
TMAI001	DESIGN AND FABRICATION OF SUGARCANE HARVESTER USING SAW CHAIN (SOLAR OPERATED)
TMAI002	FABRICATION OF ADVANCED 5 IN 1 MULTI PURPOSE AGRICULTURAL ROBOTIC VEHICLE (AGRIBOT)
TMA003	FABRICATION OF REAL TIME ADVANCED 5 IN 1 MULTI PURPOSE AGRICULTURAL VEHICLE – AGRI VEHICLE
TMA004	FABRICATION OF WHEAT HARVESTING MACHINE
TMA005	FABRICATION OF ARECA NUT FEELING MACHINE
TMA006	FABRICATION OF WHEEL CARRIED PESTICIDE SPREYER
TMA007	FABRICATION OF WHEAT HARVESTING MACHINE
TMA008	FABRICATION OF AUTOMATIC SEED SOWING MACHINE

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2017-2018 INDUSTRIAL / PRODUCTION / AUTOMATION BASED PROJECTS	
TMIP001	FABRICATION OF 3 IN 1 MULTIPURPOSE MECHANICAL MACHINE USING WHITWORTH MECHANISM
TMIP002	FABRICATION OF AUTOMATIC PVC PIPE CUTTING MACHINE
TMIP003	FABRICATION OF AUTOMATED CONVEYER FOR QUALITY CONTROL
TMIP004	FABRICATION OF AUTOMATIC 2 ,3 POINT DRILL MACHINE

TMIP005	FABRICATION OF BOTTLE FILLING SYSTEM
TMIP006	FABRICATION OF AUTOMATIC DRILLING AND TAPPING MACHINE
TMIP007	FABRICATION OF AUTOMATIC OBJECT COUNTING MACHINE
TMIP008	FABRICATION OF BELT CONVEYOR
TMIP009	FABRICATION OF CONVEYOR BELT WITH AUTOMATIC PICK AND PLACE AND DIGITAL COUNTER
TMIP010	FABRICATION OF CEMENT PLASTERING MACHINE
TMIP011	FABRICATION OF HELICAL TURBINE (FOR BOTH WIND AND WATER)
TMIP011	FABRICATION OF MILLING MACHINE
TMIP012	FABRICATION OF ROTATING FORK LIFT
TMIP013	FABRICATION OF SCRAPE COLLECTING AND DUST CLEANING MACHINE – REMOTE CONTROLLED
TMIP014	FABRICATION OF MAGNETIC MATERIAL COLLECTING TROLLY BY USING ELECTROMAGNETIC
TMIP015	FABRICATION OF REMOTE OPERATED DRILL MACHINE (HYBRID) – SOLAR AND WIND
TMIP016	FABRICATION OF SAFEST SAW MILL – LIFE SAVER FOR INDUSTRIAL APPLICATIONS (SOLAR OPERATED)
TMIP017	FABRICATION OF VOICE OPERATED ELEVATOR WITH EMERGENCY INDICATOR

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TMIP018	FABRICATION OF AUTOMATIC CONVEYOR BELT WITH PICK AND PLACE AND DIGITAL COUNTER
TMIP019	FABRICATION OF MULTI - PURPOSE OR 3 IN 1 MECHANICAL MACHINE (DRILLING, SHAPING & HACKSAW)
TMIP020	FABRICATION OF PICK AND PLACE ROBOT WITH GRIPPER FOR INDUSTRIAL APPLICATIONS
TMIP021	FABRICATION OF LINE FOLLOWING ROBOT WITH FORK LIFT
TMIP022	FABRICATION OF AUTOMATIC 2 AND 3 POINT DRILL MACHINE
TMIP023	FABRICATION OF DIGITAL COUNTING MACHINE IMPLEMENTING CONVEYORS USING METAL DETECTION SENSOR
TMIP024	FABRICATION OF BOARD CLEANER MECHANISM USING RACK AND PINION
TMIP025	FABRICATION OF AUTOMATIC HAND WASH AND SOAP SOLUTION
TMIP026	FABRICATION OF PORTABLE VEGETABLE CUTTER AND SLICER
TMIP027	FABRICATION OF ROTATING FORK LIFT
TMIP028	FABRICATION OF LINE FOLLOWING ROBOT WITH FORK LIFT
TMIP029	FABRICATION OF GLASS CLEANING MECHANISM
TMIP030	FABRICATION OF GROUNDNUT THRUSTER
TMIP031	FABRICATION OF FULLY AUTOMATIC CHAPATI MAKING MACHINE
TMIP032	FABRICATION OF AYURVEDIC ENGIENDS STIRRING MACHINE
TMIP033	FABRICATION OF MULTIPLE MACHINING USING CRANCHING (DRILLING & CUTTING)
TMIP034	DESIGN AND FABRICATION OF ELECTROMAGNETIC ENGINE
TMIP035	FABRICATION OF AUTOMATIC SEWAGE CLEANER
TMIP036	FABRICATION OF REAL TIME RAGI BALL MAKING MACHINE
TMIP037	FABRICATION OF AUTOMATIC FOOT CLEANER
TMIP038	DESIGN AND FABRICATION OF GEARLESS POWER TRANSMISSION
TMIP039	FABRICATION OF TMT BAR BENDING MACHINE (PNEUMATIC)
TMIP040	FABRICATION OF RAGI BALL MAKING MACHINE

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2017-2018 MECHATRONICS / ROBOTICS PROJECTS

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TMM001	FABRICATION AND DEVELOPMENT OF ROBOT THAT APPROACHES PEDESTRIANS
TMM002	FABRICATION OF AUTOMATIC FIRING BASED ON MICRO CONTROLLER 1
TMM003	FABRICATION OF AUTOMATIC PAGE TURNER
TMM004	FABRICATION OF AUTOMATIC WINDOW OR GLASS CLEANING ROBOT
TMM005	FABRICATION OF WHITEBOARD CLEANING MECHANISM
TMM006	FABRICATION OF AUTOMATIC FOOT DUST CLEANING MACHINE
TMM007	FABRICATION OF FLEX SENSOR OPERATED ROBOTIC ARM
TMM008	FABRICATION OF HAPTIC ROBOTIC ARM (WIRELESS)
TMM009	FABRICATION OF INTELLIGENT COMBAT ROBOT
TMM010	FABRICATION OF LOWER LIMB POWERED EXOSKELETON FOR PARAPLEGIC PEOPLE ASSISTING IN THEIR WALKING AUGMENTATION USING FLEX SENSOR AND ACCELEROMETER
TMM011	FABRICATION OF MOTORIZED WHEEL CHAIR
TMM012	FABRICATION OF WSN BASED ADVANCED IRRIGATION VEHICLE – AGRIBOT
TMM013	FABRICATION OF ADVANCED 5 IN 1 MULTI PURPOSE AGRICULTURAL ROBOTIC VEHICLE - AGRIBOT
TMM014	FABRICATION OF RESCUER DEVICE FOR LIFTING INFANTS STRUCK IN PITS
TMM015	FABRICATION OF UNMANNED RAILWAY GATE CONTROLLER
TMM016	FABRICATION OF HAPTIC ROBOTIC ARM (WIRELESS) AND CAMERA
TMM017	FABRICATION AND DEVELOPMENT OF DATA ACQUISITION ROBOT FOR TOXIC ENVIROMENTAL MONITORING USING WSN – KROTO FINDER
TMM018	FABRICATION OF PICK AND PLACE USING MOVING VEHICLE THROUGH REMOTE
TMM019	FABRICATION OF SMART WINDOWS
TMM020	FABRICATION OF DESIGN AND DEVELOPMENT OF PC CONTROLLED SMALL UNIT UNMANNED VEHICLE FOR TODAY’S ARMY

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TMM021	FABRICATION OF VOICE ENABLED WHEEL CHAIR
TMM022	FABRICATION OF WALL PAINTING ROBOT
TMM023	FABRICATION OF WASTE SAPERATION USING SMART DUSTBIN
TMM024	FABRICATION AND DEVELOPMENT OF WHEELCHAIR CUM STRETCHER
TMM025	FABRICATION OF REMOTE OPERATED BOARD CLEANING MECHANICAL
TMM026	FABRICATION OF REMOTE CONTROLLED PATIENTS BED SEAT ADJUSTMENTS
TMM027	FABRICATION OF PENDULUM BASED WATER PUMP
TMM028	FABRICATION OF DRY AND WET WASTE SEGGREGATOR

2017-2018 BICYCLE / PEDAL OPERATED BASED PROJECTS	
TMBP001	FABRICATION OF HYBRID MULTI PURPOSE PEDDLING MACHINE
TMBP002	FABRICATION OF PEDAL OPERATED REAL TIME HACKSAW MACHINE
TMBP003	FABRICATION OF PEDAL POWEDER FLOUR MILL
TMBP004	FABRICATION OF HYBRID WATER PUMPING SYSTEM USING PEDDAL
TMBP005	FABRICATION OF PEDDELING WASHING MACHINE
TMBP006	FABRICATION OF BATTERY OPERATED PEDDALLING BYCYCLE
TMBP007	FABRICATION OF PEDDAL OPERATED WASHING MACHINE

2017-2018 PNEUMATICS AND HYDRAULICS BASED PROJECTS	
TMPH001	FABRICATION OF INTELLIGENT REVERSE BRAKING SYSTM
TMPH002	FABRICATION OF AIR BRAKE SYSTEM USING ENGINE EXHAUST GAS
TMPH003	FABRICATION OF AUTOMATED CRANE PNEUMATICS
TMPH004	FABRICATION OF PNEUMATIC OPERATED EMERGENCY OVERWING EXIT SYSTEM IN AIRCRAFTS

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TMPH005	FABRICATION OF PNEUMATIC JACK FOR CAR
TMPH006	FABRICATION OF HYDRAULIC BASED MOBILE CRANE
TMPH007	FABRICATION OF PNEUMATIC CAN CRUSHER PROJECTS IDEA AND DESIGN
TMPH008	FABRICATION OF PNEUMATIC MODERN TRIPPING WITH 360 DEGREE ROTATION
TMPH009	FABRICATION OF AUTOMATIC PNEUMATIC RAMMING MACHINE
TMPH010	FABRICATION OF AUTOMATIC PUNCHING MACHINE
TMPH011	FABRICATION OF PNEUMATIC RIVETTING MACHINE
TMPH012	FABRICATION OF AUTOMATIC PNEUMATIC WISE AND JACK
TMPH013	DESIGN AND FABRICATION OF HIGH SPEED HACK SAW MACHINE
TMPH014	FABRICATION OF AUTOMATIC PNEUMATIC HAMMER
TMPH015	FABRICATION OF PNEUMATIC WATER PUMP
TMPH016	FABRICATION OF PNEUMATIC OPERATED DRILLING MACHINE

2017-2018 SOLAR AND POWER GENERATION CONCEPTS BASED PROJECTS	
TMSP001	FABRICATION OF BIOGAS DIGESTER
TMSP002	FABRICATION OF FOOT STEP POWER GENERATION MECHANISM
TMSP003	FABRICATION OF GYM POWER GENERATOR
TMSP004	FABRICATION OF GENERATION OF ELECTRICITY THROUGH SPEED BREAKER MECHANISM USING HYDRAULICS
TMSP005	FABRICATION OF HYBRID POWER GENERATOR (SOLAR AND WIND)
TMSP006	FABRICATION OF EFFICIENT HYBRID POWER GENERATOR AND MULTI PURPOSE UTILIZATION (WITH SOLAR TRACKING SYSTEM AND PANEL CLEANING MECHANISM)
TMSP007	FABRICATION OF HYBRID POWER GENERATOR (WITH SOLAR TRACKING SYSTEM)
TMSP008	FABRICATION OF HARNESSING WIND ENERGY USING TRAIN
TMSP009	GENERATION OF ELECTRICITY USING A TREADMILL

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TMSP010	FABRICATION OF UNIVERSAL POWER GENERATOR : MULTI SEASONAL
TMSP011	GENERATION OF ELECTRICITY THROUGH SPEED BREAKER MECHANISM USING HYDRAULICS
TMSP012	FABRICATION OF SMART DESIGN BASED HYDRO POWER GENERATOR
TMSP013	FABRICATION OF DOMESTIC WIND MILL
TMSP014	WIND POWER UTILIZATION FOR CAR ANNUNCIATOR
TMSP015	FABRICATION OF PUSH OPERATED SPRAY PUMP , MECHANICAL FABRICATION PROJECTS
TMSP016	FABRICATION OF SMART WINDOWS
TMSP017	FABRICATION OF SOLAR BASED CUTTING GRINDING MACHINE
TMSP018	FABRICATION OF SOLAR OPERATED DRILL MACHINE
TMSP019	FABRICATION OF SOLAR OPERATED GRASS CUTTER
TMSP020	FABRICATION OF SOLAR OPERATED GRINDING MACHINE
TMSP021	FABRICATION OF SOLAR SPRAYER
TMSP022	FABRICATION OF SOLAR TRACKING SYSTEM WITH WATER PUMP

2017-2018 DESIGN AND ANALYSIS BASED PROJECTS	
TMDA001	DESIGN OPTIMIZATION OF COMBUSTION CHAMBER FOR TURBO ENGINE BY USING FEA
TMDA002	STATIC & MODAL ANALYSIS OF COMPOSITE BRACKET ASSEMBLY
TMDA003	DESIGN OPTIMIZATION OF CONNECTING ROD FOR STATIC LOADING CONDITIONS
TMDA004	FATIGUE ANALYSIS AND DESIGN OPTIMIZATION OF A DIGGER ARM
TMDA005	DESIGN OPTIMIZATION OF DISK BRAKE BY USING FINITE ELEMENT ANALYSIS
TMDA006	DESIGN OPTIMIZATION OF HYPOID GEAR BY USING STRUCTURAL ANALYSIS

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TMDA007	DESIGN AND BUCKLING STRENGTH EVALUATION OF A LIFTING BEAM FOR 350 TONNES THROUGH FEA
TMDA008	MODELING AND ANALYSIS OF A MASTER CYLINDER
TMDA009	MODELING AND ANALYSIS OF IC ENGINE PISTON WITH COMPOSITE MATERIAL
TMDA010	DESIGN AND ANALYSIS OF A RAIL WHEEL ASSEMBLY OF RAIL MOUNTED STORAGE CUM RESTING FIXTURE 60T CAPACITY

	2017-2018 COMPOSITE MATERIALS BASED PROJECTS TITLES
TMC001	MECHANICAL BEHAVIOUR OF E-GLASS JUTE NATURAL HYBRID COMPOSITE
TMC002	MECHANICAL BEHAVIOUR OF E-GLASS SUGARCANE BAGASS NATURAL HYBRID COMPOSITE
TMC003	MECHANICAL BEHAVIOUR OF E-GLASS, EPOXY REINFORCED WITH FILLER MATERIALS (rubber powder) COMPOSITE
TMC004	MECHANICAL BEHAVIOUR OF E-GLASS, EPOXY REINFORCED WITH FILLER MATERIALS (E-WASTE) COMPOSITE
TMC005	MECHANICAL BEHAVIOUR COCONUT COIR FIBER REINFORCED WITH EPOXY POLYMER

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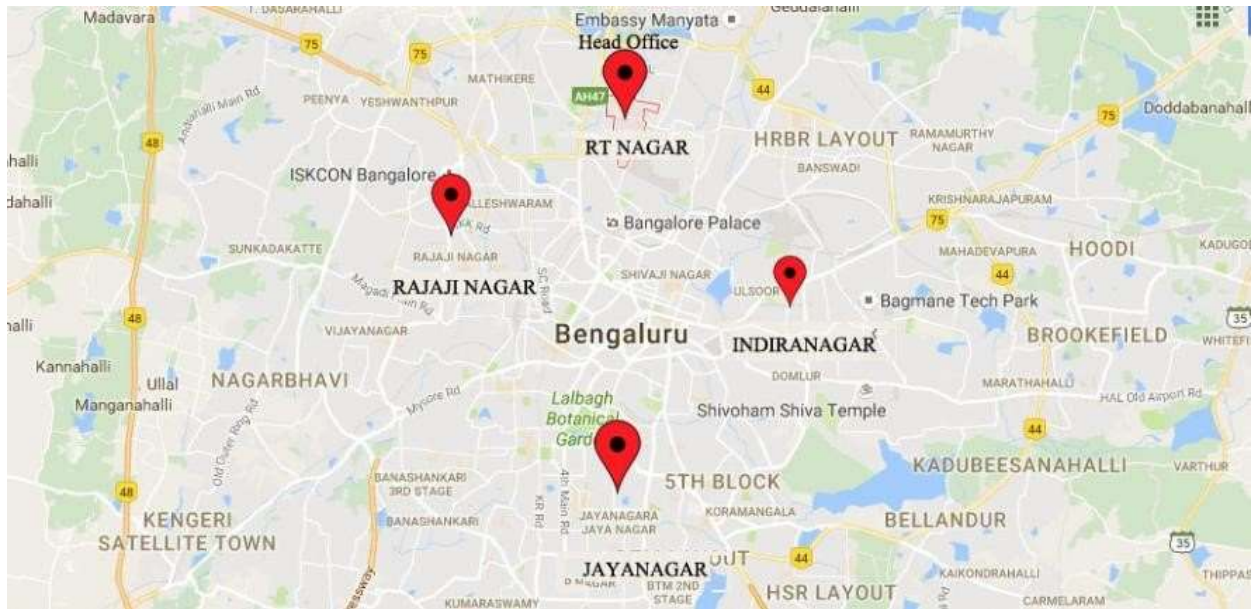
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