

Main Branch	Theme/Area	Title of Project	Year
Mechanical	5S	5S implementation in store & insulator department at RCPL ceramics industry	2012
Mechanical	AERODYNAMIC	AERODYNAMIC STUDY OF VEHICLE BODY USING CFD	2012
Mechanical	Air Cooler	fin design of air cooled heat exchanger used in rotary screw compressor	2012
Mechanical	Analysis	Finite element analysis and weight reduction of H-beam connecting rod through composite material using ANSYS.	2012
Mechanical	Analysis	IMPROVEMENT OF BUS BODY AERODYNAMIC SHAPE BY CFD ANALYSIS	2012
Mechanical	Analysis	CFD EVALUATION FOR A DIESEL RICKSHAW POPPET VALVE	2012
Mechanical	Analysis	OPTIMIZATION OF COOLING WATER PUMP BY CHANGING IMPELLER BLADE ANGLE USING CFD ANALYSIS	2012
Mechanical	Analysis	STATIC & DYNAMIC ANALYSIS OF TRACTOR TRAILER	2012
Mechanical	Analysis	DESIGN, ANALYSIS & PERFORMANCE INVESTIGATION OF H <sub>2</sub> O/LiBr VAPOR TYPE CAR AC SYSTEM	2012
Mechanical	Analysis	MODIFICATION AND ANALYSIS OF AIR COOLED ENGINE FINS TO IMPROVE THE HEAT TRANSFER RATE	2012
Mechanical	Analysis	A CFD Modelling Study Of A Bio-diesel Blend Oil Evaporation Device Operating In The "Stabilized Cool Flame" Regime	2012
Mechanical	Analysis of Process Parameters in TIG Welding	The Effect of Activating Flux in TIG Welding	2012
Mechanical	Basic Seven Quality Control Tools, Kaizen	Improve Productivity by Applying Seven Quality Control Tools in ABC Bearing Ltd, Bharuch	2012
Mechanical	Battery	BTMS	2012
Mechanical	Bio Energy	SMOKELESS CHULLAH	2013
Mechanical	Bio Energy	DOWNDRAFT GASIFIER	2013
Mechanical	Bio Energy	HYDROGEN AND FUEL CELL ENERGY	2013
Mechanical	Bio Energy	EFFECT OF FLUIDIZATION IN FBG	2013
Mechanical	Bio Energy	STUDY OF EFFECT OF SELECTIVE CATALYST ON TAR REDUCTION IN DOWNDRAFT BIOMASS GASIFIER	2013
Mechanical	Biomass energy	Performance evolution of bagasse based biomass as a non-conventional fuel	2012
Mechanical	BIOMASS GASIFICATION	DESIGN , DEVELOPMENT AND PERFORMANCE OF RICE HUSK GASIFIER	2012
Mechanical	CAD/CAM	CFD Analysis of Combustion Chamber Geometry Of Diesel Engine For Improving the Performance Of Engine.	2012
Mechanical	CAD/CAM	investigation of mechanical properties & Electric discharge machine on Al-based hybrid composite manufactured by stir cast.	2012
Mechanical	CAD/CAM	Effects of additional heating and cooling on mechanical and metallurgical properties of friction stir welded 6061-T651 Al alloy joints.	2012
Mechanical	CAD/CAM	Design A Proper cutting tool geometry for Stainless steel material	2012
Mechanical	CAD/CAM	Design Aspects and modifications in incense stick machine	2012
Mechanical	CAD/CAM	Design Aspects and modifications in Barbed wire manufacturing machine	2012
Mechanical	CAD/CAM	To Reduce the Changeover Time of Vertical Winding Machine	2012

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Mechanical	CAD/CAM	Selection Of The Wire Cut Electrical Discharge Machining Process Parameters Using Analytic Hierarchy Process (AHP) / MOORA Method	2012
Mechanical	CAD/CAM	Experimental Study Of The Effect Of Cutting Parameters and Uncoated, MTCVD And PVD Coated Inserts on En9 In Dry Turning	2012
Mechanical	CAD/CAM	Parametric optimization of multi pass face milling using harmony search algorithm.	2012
Mechanical	CAD/CAM	Parametric Optimization of Input Parameter On Surface Roughness During Ultrasonic Drilling Of Alumina Ceramic	2012
Mechanical	CAD/CAM	DESIGN AND ANALYSIS OF FIXTURE FOR THE PUMP CASING	2012
Mechanical	CAD/CAM	Implementation of Meshless Local Petrov Galerkin (MLPG) method to One dimensional and Two dimensional Structural Problems	2012
Mechanical	CAD/CAM	Optimization of Wall Thickness for Minimum Heat Losses for Induction Furnace by FEA	2012
Mechanical	CAD/CAM	Investigation on effect of Material Properties on Thermal Stresses for Induction Furnace Wall Using FEA	2012
Mechanical	CAD/CAM	Optimization of cycle time of component VMC 1260 table manufactured on KX 50L CNC machine	2012
Mechanical	CAD/CAM	Topology and shape optimization of upper punch,lower punch,plate of tablet press machine	2012
Mechanical	CAD/CAM	Total productive maintenance implementation in industry	2012
Mechanical	CAD/CAM	Heat Transfer Enhancement in heat Exchanger using CFD	2012
Mechanical	CAD/CAM	Optimization of abrasive water jet machine process parameter for AL-6351, FRP & SS-316 using Taguchi	2012
Mechanical	CAD/CAM	Optimization using GRA for MS Grade through Fiber Laser Cutting Process	2012
Mechanical	CAD/CAM	Optimization of Cutting Parameter On CNC Milling Machine for 4820h alloy steel By Taguchi Method	2012
Mechanical	CAD/CAM	Integrated Geometric & dimensional errors simulation, measurement and compensation of Vertical machining centres	2012
Mechanical	CAD/CAM	EXPERIMENTAL INVESTIGATION OF OPERATING PARAMETERS OF THROUGH CYLINDRICAL HOLE MADE BY MICRO EDM PROCESS	2012
Mechanical	CAD/CAM	DESIGN OF CAM GEOMETRY FOR MINIMISATION OF FILLET RADIUS IN SQUARE HOLE DRILL MACHINE	2012
Mechanical	CAD/CAM	DESIGN AND MANUFACTURING OF CLAMPING AND POWER TRANSMISSION DEVICE FOR AUTOMATIC PIPE CUTTING MACHINE UP TO 8 INCH DIAMETER	2012
Mechanical	CAD/CAM	DESIGN OF SPECIAL MECHANISM FOR PACKAGING STRIPS OF SNACK PACKES IN CARTON	2012
Mechanical	CAD/CAM	Design, Modeling and Analysis of single row deep groove ball bearing	2012
Mechanical	CAD/CAM	Evaluating the parametric optimization of Electrical discharge Machining (EDM)by using Artificial Neural network (ANN) & Genetic algorithm(GA)	2012
Mechanical	CAD/CAM	Development of canned cycle for CNC milling machine	2012
Mechanical	CAD/CAM	Analysis & optimisation of a disc brake of a pulsor 220 for its cost & weight	2012
Mechanical	CAD/CAM	To study and compare the Tool path of Bezier curves and Surfaces obtained by CAM system and Parametric Programming on Vertical Machining Center	2012
Mechanical	CAD/CAM	comparative finite element analysis of metallic and non metallic spur gear	2012

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Mechanical	CAD/CAM	DESIGN AND ANALYSIS OF C-FRAME OF 40 TON PNEUMATIC POWER PRESS USING FEA	2012
Mechanical	CAD/CAM	DEVELOPING A GUI BASED DESIGN SOFTWARE IN VB ENVIRONMENT TO INTEGRATE WITH CREO FOR DESIGN AND MODELLING USING CASE STUDY OF COUPLING	2012
Mechanical	CAD/CAM	DEVELOPMENT AND IMPLEMENTATION OF MECHANISM BY USING PNEUMATIC DRIVE FOR BAMBOO STICK (AGARBATTI STICK) CUTTING MACHINE	2012
Mechanical	CAD/CAM	" An efficient injection mould design by using mould-flow analysis for reduction of defects in rubber bush "	2012
Mechanical	CAD/CAM	Fracture analysis of pressure vessel component-Arc shaped tension specimen	2012
Mechanical	CAD/CAM	Study the Effect of Various Process Parameters in Electro Discharge Machining on Material Removal Rate and Surface Roughness for Different Heat Treatments on HSS M2 Grade Tool Steel	2012
Mechanical	CAD/CAM	"Performance evaluation of various parameters on strength properties and temperature distribution in friction stir welding of Aluminium alloy 8011"	2012
Mechanical	CAD/CAM	DESIGN AND DEVELOPMENT OF CONNECTING ROD FIXTURE FOR FACING OPERATION USING VMC	2012
Mechanical	CAD/CAM	ANALYSIS OF CUTTING PARAMETER OF PNEUMATIC DRILLING PROCESS FOR GREY CAST IRON	2012
Mechanical	CAD/CAM	Reduce Shrinkage-Porosity defects in Sand Casting Using FEM	2012
Mechanical	CAD/CAM	FEA & MATHEMATICAL THERMO MECHANICAL MODELLING & ANALYSIS OF WORK ROLL DURING HOT ROLLING PROCESS	2012
Mechanical	CAD/CAM	FEM Analysis of the Heat-pipe Oven for the Plasma Wakefield Accelerator Equipment and a Structural Design for the same	2012
Mechanical	CAD/CAM	design and analysis of beam dump in indian test facility at IPR.	2012
Mechanical	CAD/CAM	Heatloss reduction in submerged electric furnace using finite element analysis for efficiency improvement	2012
Mechanical	CAD/CAM	Design & FE Analysis of Spur gears for improvement of fatigue life improvement using corrected gears	2012
Mechanical	CAD/CAM	Stress analysis & design optimisation of crankpin of single cylinder four stroke petrol engine	2012
Mechanical	CAD/CAM	Performance improvement of vacuum pump through CFD analysis.	2012
Mechanical	CAD/CAM	Multibody dynamic analysis and simulation of double wishbone suspension system	2012
Mechanical	CAD/CAM	STRESS ANALYSIS OF FUNCTIONALLY GRADED MATERIAL WITH CUT-OUT	2012
Mechanical	CAD/CAM	investigation of the effect of fiber orientation on mechanical properties of composite laminate using numerical analysis	2012
Mechanical	CAD/CAM	EXPERIMENTAL AND NUMERICAL INVESTIGATION OF TAILOR WELDED BLANKS (TWBs)	2012
Mechanical	CAD/CAM	STRESS ANALYSIS OF AN INFINITE PLATE WITH TWO SQUARE OR RECTANGULAR CUTOUTS IN COMPOSITE MATERIALS	2012
Mechanical	CAD/CAM	MODELING AND FINITE ELEMENT ANALYSIS OF HUMAN KNEE JOINT	2012
Mechanical	CAD/CAM	FEA INVESTIGATION OF CASTING PROCESS TO IMPROVE THE CAST PRODUCT QUALITY	2012
Mechanical	CAD/CAM	PARAMETRIC ANALYSIS OF COMPOSITE LEAF SPRING	2012
Mechanical	CAD/CAM	Comparison of RSM and PSO Techniques for Parametric Optimization in CNC turning of 2205 Duplex Stainless Steel	2012
Mechanical	CAD/CAM	Particle Swarm Optimization of WEDM Process Parameters Using D-3 Cold Worked tool Steel	2012

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Mechanical	CAD/CAM	design of carbon fibre composite based multiplate diagnostic beam dump	2012
Mechanical	CAD/CAM	Seismic Qualification of double inlet cone centrifugal Fan	2012
Mechanical	CAD/CAM	DESIGN AND ANALYSIS OF ROCKER ARM FOR VARIABLE VALVE OPERATING SYSTEM	2012
Mechanical	CAD/CAM	Effect of input parameters on temperature and noise in gearbox by using DOE.	2012
Mechanical	CAD/CAM	Design & Development of a centralized & homogeneous swarm robotics system	2012
Mechanical	CAD/CAM	Machinability study of hardened En 31 alloy steel	2012
Mechanical	CAD/CAM	Advance automation of conventional lathe machine	2012
Mechanical	CAD/CAM	Cooling effect improvement by dimensional modification of annular fin in two stage reciprocating compressor	2012
Mechanical	CAD/CAM	Heat Transfer Enhancement in superheater tube using Geometric modification	2012
Mechanical	CAD/CAM	OPTIMIZATION OF PROCESS PARAMETERS FOR TURNING OPERATION ON CNC LATHE FOR INCONEL 600 USING GENETIC ALGORITHM	2012
Mechanical	CAD/CAM	Force Analysis, Coefficient of Friction at Chip Tool Contact and Surface Roughness in Orthogonal Cutting of GFRP	2012
Mechanical	CAD/CAM	Design, Dynamic analysis and Optimization of The Compressor Skid of Helium Liquefier Plant	2012
Mechanical	CAD/CAM	An Investigation of Process Parameters on Compressive Strength, Surface Roughness and Dimensional Accuracy of FDM Built Parts	2012
Mechanical	CAD/CAM	Analysis of Product Generation Through Value Stream Mapping To Increase Productivity Using Lean Concepts	2012
Mechanical	CAD/CAM	Mechanical characterization of rattan fibre polyester composite	2012
Mechanical	CAD/CAM	EXPERIMENTAL INVESTIGATION ON PROCESS PARAMETERS OF INJECTION MOLDING MACHINE	2012
Mechanical	CAD/CAM		2012
Mechanical	CAD/CAM		2012
Mechanical	CAD/CAM	FEA of Perforated Sheet Metal for Optimum Forming Process	2013
Mechanical	CAD/CAM	Finite Element Analysis Of Head Gasket Used In Car	2013
Mechanical	CAD/CAM	TO STUDY THE LOADE ACTING AND GENERATION OF STRESS ON MOBILE VAPORIZE BY MODELING AND FE ANALYSIS USING ANSYS	2013
Mechanical	CAD/CAM	FINITE ELEMENT ANALYSIS OF TRANSIENT HEAT TRANSFER IN AIR COOLED IC ENGINE FIN OF HONDA SHINE BIKE	2013
Mechanical	CAD/CAM	OPTIMIZATION OF CRANKSHFT OF ARTUMOBILE	2013
Mechanical	CAD/CAM	OPTIMIZATION OF CONNECTING ROD OF AUTOMOBILE	2013
Mechanical	CAD/CAM	OPTIMIZATION AND ANALYSIS OF MACHINING PROCESS FOR DIFFERENTIAL CASE	2013
Mechanical	CAD/CAM	DESIGN AND DEVELOPMENT OF A TOOL FOR COMBINE DEPRESSION AND PIERCING OPERATION	2013
Mechanical	CAD/CAM	DESIGN & GEOMETRIC OPTIMIZATION OF PLASMA TORCH USING FEA	2013
Mechanical	CAD/CAM	OPTIMIZATION OF MATERIAL PROPERTIES FOR MINIMUM HEAT LOSS FOR INDUCTION FURNACE WALL USING FEA	2013
Mechanical	CAD/CAM	ANALYSIS & GEOMETRIC OPTIMIZATION OF CRANE HOOK USING FEA	2013
Mechanical	CAD/CAM	ANALYSIS OF COMPOSITE MATERIAL FOR SPUR GEAR UNDER STATIC LOADING CONDITION	2013

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Mechanical	CAD/CAM	DESIGN AND ANALYSIS OF PRESSURE VESSEL	2013
Mechanical	CAD/CAM	DESIGN AND DEVELOPMENT OF MACHINE VISION FOR PICK AND PLACE ROBOT	2013
Mechanical	CAD/CAM	PARAMETER INVESTIGATION ON SELECTIVE LASER SINTERING PROCESS BY MOORA METHOD USING PA2200 MATERIAL	2013
Mechanical	CAD/CAM	DESIGN AND MODIFICATION OF STRUCTURAL SUPPORTED SOLAR DEVICES	2013
Mechanical	CAD/CAM	BEZIER SURFACE MACHINING USING CONTROL POINT FOR FINDING ACCURACY OF MACHINING	2013
Mechanical	CAD/CAM	FINITE ELEMENT ANALYSIS FOR EVALUATING POTENTIAL USE OF WIRE ROPE BARRIER CONSIDERING BIKER'S SAFETY	2013
Mechanical	CAD/CAM	DESIGN AND ANALYSIS OF TAPPER ROLLER BEARING 32308	2013
Mechanical	CAD/CAM	ANALYSIS AND OPTIMIZATION OF LOCK LINK	2013
Mechanical	CAD/CAM	THEORITICAL AND EXPERIMENTAL INVESTIGATION FOR VIBRATIONS OF DEFECTIVE ROLLING ELEMENT BEARING	2013
Mechanical	CAD/CAM	FATIGUE ANALYSIS OF PLATE FOR DIFFERENT MODES	2013
Mechanical	CAD/CAM	DESIGN AND ANALYSIS OF POLE WITH USING GLASS REINFORCED PLASTIC MATERIAL	2013
Mechanical	CAD/CAM	DESIGN & ANALYSIS OF GIRDER OF EOT CRANE	2013
Mechanical	CAD/CAM	FEA ANALYSIS OF MACHINE TOOL COMPONENT	2013
Mechanical	CAD/CAM	ANALYSIS OF PARAMETER FOR CASTING DUCTILE IRON PIPE	2013
Mechanical	CAD/CAM	Design, Analysis, Optimization Of Diffuser Used In Multistage Electrical Submersible Pump	2013
Mechanical	CAD/CAM	DEVELOPMENT OF BACKHOE MACHINE BY 3D MODELING USING CAD SOFTWARE DESIGN BY USING FEM	2013
Mechanical	CAD/CAM	COMPARATIVE FEA ANALYSIS OF NORMAL & HYBRID SPUR GEAR	2013
Mechanical	CAD/CAM	DYNAMIC ANALYSIS & OPTIMIZATION OF CONNECTING ROD USING FEA	2013
Mechanical	CAD/CAM	AUTOMATION OF AUTOFEEDER & SLIDING DOOR IN INDEPENDENT FOUR DOM BI-AXIAL MACHINE	2013
Mechanical	CAD/CAM	DESIGN AND MANUFACTURING OF COTTON PICKING ROBOT	2013
Mechanical	CAD/CAM	OPTIMIZATION OF PROCESS PARAMETERS OF EDM FOR AIR HARDENING TOOL STEEL	2013
Mechanical	CAD/CAM	DEVELOPEMENT OF CRITERION FUNCTION FOR SHRINKAGE POROSITY PRIDITION IN AL ALLOY	2013
Mechanical	CAD/CAM	STRUCTURAL ANALYSIS AND MODIFICATION IN FORK AND PISTON-CYLINDER ASSEMBLY FOR HYDRAULIC AND SERVO OPERATIONS	2013
Mechanical	CAD/CAM	EXPERIMENTAL STUDY OF CUTTING FORCE USING MILLING MACHINE	2013
Mechanical	CAD/CAM	DESIGN AND FAILURE ANALYSIS OF SINGLE CYLINDER DIESEL ENGINE CRANKSHAFT	2013
Mechanical	CAD/CAM	AERODYNAMIC ANALYSIS OF HORIZONTAL AXIS WIND TURBINE BLADE	2013
Mechanical	CAD/CAM	STUDY AND ANALYSIS OF PARAMETER AFFECTING NUGGET FORMATION IN RSW USING FEM	2013
Mechanical	CAD/CAM	EFFECT OF HORN PROFILE ON WELDING STRENGTH OF PLASTIC WELDING BY USING ULTRA SONIC MACHINE	2013
Mechanical	CAD/CAM	DESIGN AND ANALYSIS OF AUTOMATED PREPREG SYSTEM FOR FIBREGLASS REINFORCED COMPOSITES	2013
Mechanical	CAD/CAM	DESIGN ANALYSIS OF THE DIFFERENT COUPLINGS FOR LT(LONG TRAVEL) AND CT(CROSS TRAVEL) UNIT USED IN EOT CRANES	2013
Mechanical	CAD/CAM	DESIGN AND DEVELOPMENT OF PREFILL FILING SYRING AND STOPPERING MACHINE	2013

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Mechanical	CAD/CAM	PARAMETRIC OPTIMIZATION OF THE PROCESS OF FUSED DEPOSITION MODELING IN METAL RAPID PROTOTYPING TECHNOLOGY	2013
Mechanical	CAD/CAM	PROGRAMMING THE ERROR OF 3-AIXS CNC MILLING MACHINE TOOL	2013
Mechanical	CAD/CAM	DESIGN AND ANALYSIS OF SPUR GEAR WITH CONSIDERING EFFECT OF STRESS STRAIN	2013
Mechanical	CAD/CAM	PARAMETRIC OPTIMIZATION FOR AISI 316L THROUGH LASER CUTTING PROCESS USING ANN TECHNIQUE	2013
Mechanical	CAD/CAM	DYNAMIC ANALYSIS OF ARTICULATED ROBOTIC ARM	2013
Mechanical	CAD/CAM	Experimental Investigation of Fracture parameter of ABS by Using FDM process	2013
Mechanical	CAD/CAM	COMPARING AGGRESSIVENESS OF SMALL CAR BUMPERS FOR A PEDESTRIAN LOWER EXTREMITY USING FEM	2013
Mechanical	CAD/CAM	DESIGN,MODELLING OF BORING FIXTURE FOR CONNECTING ROD	2013
Mechanical	CAD/CAM	OPTIMUM DESIGN & FINITE ELEMENT ANALYSIS OF SINGLE JOINT UNIVERSAL COUPLING OF AN AUTOMOBILE TRUCK	2013
Mechanical	CAD/CAM	FINITE ELEMENT ANALYSIS OF CNC SLANTED BED MACHINE	2013
Mechanical	CAD/CAM	REAL TIME RESPONSE FOR CNC MACHINE TOOLS	2013
Mechanical	CAD/CAM	STRUCTURAL AND PARAMETRIC ANALYSIS OF COMPOSITE FLYWHEEL USING FINITE-ELEMENT METHOD	2013
Mechanical	CAD/CAM	DESIGN & ANALYSY OF CART OF HOISTING UNIT	2013
Mechanical	CAD/CAM	TO STUDY ABOUT PROCESS PARAMETERS OF FDM PROCESS USING PC MATERIAL BY TOPSIS METHOD	2013
Mechanical	CAD/CAM	EFFECT OF PULSED POWER SOURCE ON THE QUALITY OF WELDMENT	2013
Mechanical	CAD/CAM	PROCESS DEVELOPMENT OF JOINT FACE MACHINING ON VMC TO ENSURE PROPER ASSEMBLY OF CONNECTING ROD	2013
Mechanical	CAD/CAM	MODELING AND ANALYSIS OF Z-TYPE BUCKET CONVEYOR FOR MATERIAL TRANSFER IN UPWARD DIRECTION AND COMPARISON WITH BELT CONVEYOR IN INDUSTRY	2013
Mechanical	CAD/CAM	DESIGN AND MODELING OF TURN TABLE FOR BOTTLE PACKAGING	2013
Mechanical	CAD/CAM	DESIGN AND DEVELOPMENT OF INTERNAL MECHANICAL SEAL FOR CHEMICAL PROCESSING CENTRIFUGAL PUMP	2013
Mechanical	CAD/CAM	DESIGN AND DEVELOPMENT OF LOW COST DIY CNC MILLING MACHINE	2013
Mechanical	CAD/CAM	COMPARATIVE ANALYSIS OF CENTRIFUGAL PUMP IMPELLER BLADES USING FEM & ITS IMPACT ON THE EFFICIENCY OF CENTRIFUGAL PUMP	2013
Mechanical	CAD/CAM	RULES BASED EXPERT SYSTEM FOR DIE DESIGN	2013
Mechanical	CAD/CAM	INTERACTION EFFECT BETWEEN TWO DIFFERENT SHAPED HOLE IN LAMINATED COMPOSITE PLATE	2013
Mechanical	CAD/CAM	ANALYSIS AND OPTIMIZATION OF TWO WHEELER CONNECTING ROD	2013
Mechanical	CAD/CAM	OPERATIONAL OPTIMIZATION OF LASER ENGRAVING PROCESS	2013
Mechanical	CAD/CAM	DYNAMIC BALANCING OF TURNING FIXTURE USING CREO-MECHANISM DYNAMIC OPTION (MDO)	2013
Mechanical	CAD/CAM	MODIFICATION AND ANALYSIS OF FORK PIN & ASSEMBLY	2013
Mechanical	CAD/CAM	STATIC AND DYNAMIC ANALYSIS OF LEAF SPRING OF AUTOMOBILE	2013
Mechanical	CAD/CAM	ANALYSIS OF HYBRID PLATE	2013
Mechanical	CAD/CAM	PARAMETRIC OPTIMIZATION OF FRP SHEET BY USING RSM	2013
Mechanical	CAD/CAM	EXPERIMENTAL AND FINITE ELEMENT ANALYSIS OF DEEP DRAWING PROCESS OF BRASS/STAINLESS STEEL/ALUMINIUM SHEET	2013



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Mechanical	CAD/CAM	DESIGN,ANALYSIS AND OPTIMIZATION OF PARALLEL MOTION FENDER	2013
Mechanical	CAD/CAM	OPTIMIZATION OF VARIOUS MACHINE PROCESS PARAMETER ON THE SURFACE ROUGHNESS IN EDM MACHINE FOR AN EN21 MATERIAL	2013
Mechanical	CAD/CAM	Parametric Investigation influencing of CL20 ES made of Selective Laser Sintering Process	2012
Mechanical	CAD/CAM	An Experimental Investigation Of Process Variables Influencing The Quality Of Fused Deposition Modeling Processed Part of Polycarbonate	2012
Mechanical	CAD/CAM	optimization of diverter car belt conveyor supporting structure to reduce dead weight”	2012
Mechanical	CAD/CAM	Design ,analysis & Optimization of leaf spring by using composite material	2012
Mechanical	CAD/CAM/Production	TO INVESTIGATE EFFECTS OF CUTTING PARAMETERS AND ITS OPTIMIZATION BASED ON RESPONSE SURFACE METHODOLOGY FOR SUPER ALLOY MATERIAL	2012
Mechanical	CAD/CAM/Production	IMPROVING VOLUMETRIC ACCURACY BY ERROR MODELLING AND ITS COMPENSATION FOR VERTICAL MACHINING CENTRE	2013
Mechanical	CAD/CAM/Production	PERFORMANCE EVALUATION OF MONO AND MULTI MATERIAL COATING ON TUNGUSTAN CARBIDE INSERT TOOL FOR TURNING OPERATION	2013
Mechanical	CAD/CAM/Production	OPTIMIZATION AND ANALYSIS OF PERFORMANCE PARAMETERS FOR DRILLING OF INCONEL 625	2013
Mechanical	CAD/CAM/Production	INVESTIGATION OF CUTTING FORCE AND TOOL WEAR BEHAVIOUR IN DRY MACHINING OF INCONEL 625	2013
Mechanical	CAD/CAM/Production	MULTI-OBJECTIVE OPTIMIZATION OF VARIOUS PARAMETERS IN ELECTRO CHEMICAL DISCHARGE MACHINING PROCESS	2013
Mechanical	CAD/CAM/Production	MODELING OF ELECTRODISCHARGE MACHINING PROCESS	2013
Mechanical	CAD/CAM/Production	PARAMETRIC DESIGN AND OPTIMIZATION OF EXTRUSION PROCESS USING FEA AND TAGUCHI METHOD	2013
Mechanical	CAD/CAM/Production	ANALYSIS OF PRODUCT GENERATION THROUGH VALUE STREAM MAPPING TO INCREASE PRODUCTIVITY USING LEAN CONCEPT	2013
Mechanical	CAD/CAM/Production	ANALYSIS AND OPTIMIZATION OF ABRASIVE WATER JET MACHINE	2013
Mechanical	CAD/CAM/Production	TUBE SHEET WELD OVERLAY ANALYSIS	2013
Mechanical	CAD/CAM/Production	Development of Unmanned Aerial Vehicle for Spying Operation	2013
Mechanical	CAD/CAM/Production	EXPERIMENTAL ANALYSIS OF CO2 LASER CUTTING OF ALUMINIUM	2013
Mechanical	CAD/CAM/Production	MICROMECHANICS ANALYSIS OF COMPOSITES	2013
Mechanical	CAD/CAM/Production	FINITE-ELEMENT ANALYSIS OF ELLIPTIC CUPS USING A NEW DEEP-DRAWING PROCESS THROUGH CONICAL DIES	2013
Mechanical	CAD/CAM/Production	STRESS ANALYSIS OF BALL-BEARING	2013
Mechanical	CAD/CAM/Production	WELD JOINT ANALYSIS OF SPRAYER MACHINE SILENCER	2013
Mechanical	CAD/CAM/Production	EFFECT OF PROCESS PARAMETER ON MECHANICAL AND METALLURGICAL PROPERTIES OF DISSIMILAR METAL USING GTAW PROCESS	2013
Mechanical	CAD/CAM/Production	EXPERIMENTAL INVESTIGATION OF THERMO-MECHANICAL PARAMETERS FOR LASER CLADDING OF PURE COPPER POWDER ON STEEL IN FUSION REACTOR FOR VESSEL APPLICATION	2013
Mechanical	CAD/CAM/Production	FRACTURE ANALYSIS OF FDM MANUFACTURED ACRYLONITRILE BUTADIENE SYRENE USING FEM	2013
Mechanical	CAD/CAM/Production	INVESTIGATION ON ELECTRODE IN ELECTRODISCHARGE MACHINING	2013

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Mechanical	CAD/CAM/Production	PROCESS IMPROVEMENT OF FRICTION-STIR WELDING THROUGH SIMULATION AND EXPERIMENTATION	2013
Mechanical	CAD/CAM/Production	EXPERIMENTAL AND ANALYTICAL EVALUATION OF BOWL MILL	2013
Mechanical	CAD/CAM/Production	AN EXPERIMENTAL EFFECT OF ELECTRODE MATERIAL ON MRR TO USE VARIOUSE MATERIAL AND CHANGE IN INPUT PERAMETERS WEDM	2013
Mechanical	CAD/CAM/Production	AN INVESTIGATION OF HOLE SIZE,CIRCULARITY AND DELAMINATION DURING DRILLING OPERATION OF CARBON FIBER REINFORCED POLYMER.	2013
Mechanical	CAD/CAM/Production	ANALYSIS AND OPTIMIZATION OF EFFICIENCY OF GEAR BOX	2013
Mechanical	CAD/CAM/Production	DESIGN AND DEVELOPMENT OF TUBE HYDROFORMING SETUP FOR JOINING OF TWO TUBES	2013
Mechanical	CAD/CAM/Production	DESIGN MODIFICATION AND PARAMETRIC OPTIMIZATION OF INSULATOR USING CASTING SIMULATION TOOLS	2013
Mechanical	CAD/CAM/Production	EXPERIMENTAL INVESTIGATION IN EFFECT OF PMEDM ON COMPOSITE MATERIAL	2013
Mechanical	CAD/CAM	"Crack Detection in Pressurized Pipes Using Static Deflection Measurement Method"	2012
Mechanical	CAD/CAM	MOMENT DISTRIBUTION AROUND DISCONTINUITY IN A COMPOSITE LAMINATED PLATE	2012
Mechanical	CAD/CAM	Stress Analysis Of Symmetric Laminated Composite Plate Containing Discontinuity Subjected To In-Plane Loading	2012
Mechanical	CAD/CAM	"Parametric Optimization of Ceramic Reinforcement Composite material-Al/SiC during Milling Operation"	2012
Mechanical	CAD/CAM	DEVELOPMENT OF PROTOTYPE OF WALL CLIMBING ROBOT	2012
Mechanical	CAD/CAM	DEVELOPMENT OF PROTOTYPE OF WATER SURFACE ROBOT	2012
Mechanical	CAD/CAM	DESIGN, MODELING & MANUFACTURING OF BORING FIXTURE FOR MACHINING YOKE FOR CIRCULATING PUMP	2012
Mechanical	CFD	CFD SIMULATION AND OPTIMIZE COLD STORAGE SPACE ACCORDING TO COOLING LOAD	2012
Mechanical	CFD	ANALYSIS OF CLINKER FORMATION REGION, ITS REMOVAL AND SOOT BLOWER OPTIMIZATION USING CFD ANALYSIS	2012
Mechanical	CFD	3D CFD MODELING OF EVAPORATION PROCESS IN GLASS MELTING FURNACE	2012
Mechanical	CFD	Performance evaluation of wind turbine rotor for different airfoil profile using CFD	2012
Mechanical	CFD	Estimation of temperature behaviour on a gas turbine blade	2012
Mechanical	REFRIGERATOR	THEORETICAL AND EXPERIMENTAL EVALUATION OF R134a AND ITS LOW GWP ALTERNATIVES IN DOMESTIC REFRIGERATOR	2012
Mechanical	CNC Machine	optimization of process parameters for surface roughness and material removal rate for ss410 material during turning operation	2012
Mechanical	CNC Turning	Parametric Analysis Of Dry And Wet Turning On CNC Lathe Using DOE	2012
Mechanical	co2 laser cutting machine	Modeling and Optimization of Process Parameters for AISI304 on Co2 laser cutting using RSM Approach.	2012
Mechanical	Compressor	performance optimisation of single stage oil flooded rotare screw compressor	2012
Mechanical	Computational Fluid Dynamics	CFD ANALYSIS OF DUCT FOR PREDICTION OF PRESSURE LOSS.	2012



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Mechanical	Computational Fluid Dynamics	CFD ANALYSIS OF IMPROVED NON CONTINUOUS HELICAL BAFFLE PLATE GEOMETRY IN SHELL AND TUBE HEAT EXCHANGER	2013
Mechanical	Computational Fluid Dynamics	CYCLONE SEPARATOR	2013
Mechanical	Computational Fluid Dynamics	A PERFORMANCE OPTIMIZATION OF SOLAR STILL USING CFD ANALYSIS	2013
Mechanical	Computational Fluid Dynamics	CFD BASED ANALYSIS OF FLOW DISTRIBUTION IN A CO-AXIAL VACUUM TUBE SOLAR COLLECTOR WITH LAMINAR FLOW	2013
Mechanical	Computational Fluid Dynamics	Numerical Analysis of flow induced vibration of tube banks in cross flow	2013
Mechanical	Computational Fluid Dynamics	NUMERICAL & EXPERIMENTAL STUDY OF POROUS MEDIA FOR REGENERATOR APPLICATION	2013
Mechanical	Computational Fluid Dynamics	CFD ANALYSIS AND OPTIMIZATION OF DISC BRAKE WITH VARYING GEOMETRY	2013
Mechanical	Computational Fluid Dynamics	OPTIMIZATION AND PERFORMANCE ANALYSIS OF FUEL INJECTOR BY CHANGING FUEL PENETRATION PATH WITH CFD APPROACH.	2013
Mechanical	Computational Fluid Dynamics	OPTIMIZATION AND PERFORMANCE OF AN AUTOMOBILE RADIATOR USING CFD.	2013
Mechanical	Computational Fluid Dynamics	CFD APPROACH TO STUDY THE EFFECT OF VARIOUS GEOMETRIC PARAMETERS ON PERFORMANCE OF ANNULAR TYPE GAS TURBINE COMBUSTION CHAMBER.	2013
Mechanical	Computational Fluid Dynamics	PERFORMANCE ANALYSIS AND COMPARISON OF JOURNAL BEARING USING FERRO & MAGNETO-RHEOLOGICAL FLUID BY COMPUTATIONAL FLUID DYNAMICS	2013
Mechanical	COOLING TOWER(TE)	PERFORMANCE AND ANALYSIS OF COOLING TOWER	2012
Mechanical	Cryogenics	Parametric evaluation of thermoacoustically driven orifice type pulse tube cryocooler using DeltaEC	2012
Mechanical	Cryogenics	design and OPTIMIZATION OF PRESSURE SWING GAS ADSORPTION SEPARATION PROCESS	2012
Mechanical	Cryogenics	PARAMETER OPTIMIZATION OF NITROGEN LIQUEFACTION BY STIRLING CRYOCOOLER	2012
Mechanical	Cryogenics	DESIGN OF CRYOGENIC TURBOEXPANDER	2012
Mechanical	Cryogenics	Design and Analysis of cryogenic transport vessel suitable for railway	2012
Mechanical	Cryogenics	Design and Analysis of internal 80K Helium purification system for kW class Helium Refrigerator/Liquefier	2012
Mechanical	Cryogenics	Design and development of Capacitance liquid level gauge for cryogen	2012
Mechanical	Cryogenics	Design and Development of cryogenic liquid storage tank	2012
Mechanical	Cryogenics	DESIGN AND OPTIMIZATION OF HEAT EXCHANGER WITH LIQUID HELIUM CHAMBER FOR COOLING OF SUPERCRITICAL HELIUM	2013
Mechanical	Cryogenics		2013
Mechanical	Cryogenics	DESIGN OF PERFORATED PLATE TYPE COUNTER FLOW HEAT EXCHANGER FOR HYDROGEN LIQUEFACTION SYSTEM	2013

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Cryogenics	DESIGN, FABRICATION AND TESTING OF PROTOTYPE INTERNAL 20 K HELIUM GAS PURIFICATION SYSTEM FOR HELIUM PLANT	2013
Mechanical	Cryogenics	DESIGN AND TESTING OF DROP OFF DEVICES FOR LOW PRESSURE SAFETY VALVES	2013
Mechanical	Cryogenics	DESIGN OF COIL FINNED TUBE TYPE HEATEXCHANGER FOR HELIUM LIQUEFACTION PLANT	2013
Mechanical	Cryogenics	DEVELOPMENT AND PERFORMANCE OF CRYOSTAT FOR MEASUREMENT OF MAGNETIC PROPERTIES	2013
Mechanical	Cryogenics	EXTRUSION VOLUME OPTIMIZATION ON SCREW GEOMETRY OF CRYOGENIC EXTRUDER	2013
Mechanical	Cryogenics	DEEP CRYOGENIC TREATMENT ON DIFFERENT MATERIALS & EXPERIMENTAL ANALYSIS OF ITS EFFECT	2013
Mechanical	Deep Drawing-hydraulic press	Analysis of the effect of process parameters in Deep Drawing	2012
Mechanical	Design	Redesign of Valve Drawings by incorporating GD&T	2012
Mechanical	Design	EXPERIMENTAL INVESTIGATIONS ON MATERIAL REMOVAL RATE, POWER CONSUMPTION AND SURFACE ROUGHNESS OF EN 19 STEELS IN TURNING USING TAGUCHI METHOD	2012
Mechanical	Design	Investigation Of Effect Of Operating Parameters Of A CNC Cylindrical Grinding Machine On Geometric Dimensioning And Tolerancing	2012
Mechanical	Design	Studies on GD&T Requirements of Drilling and Reaming Operation using DOE	2012
Mechanical	Design	Effect of Cutting Parameters on Flatness for Valve Material CF8M, WCB in context of GD&T	2012
Mechanical	Design	MULTIOBJECTIVE OPTIMIZATION OF MULTI-STAGE HELICAL GEAR TRAIN	2012
Mechanical	Design	Design optimization and validation through finite element analysis of composite-multilayer high pressure vessel .	2012
Mechanical	Design	DESIGN AND ANALYSIS FOR 100 T HOOK BLOCK FOR STEEL PLANT DOUBLE GIRDER EOT CRANE	2013
Mechanical	Design	DESIGN IMPROVEMENT OF MIXED FLOW PUMP	2013
Mechanical	Design	DETERMINATION OF J-R CURVE FOR ALUMINIUM 1060H14 USING EWF APPROACH	2013
Mechanical	Design	DESIGN,MODELING AND ANALYSIS OF 1KL LOX TRASPORTATION TANK	2013
Mechanical	Design	VIBRATION CONTROL OF BEAM WITH ACTIVE CONSTRAINED LAYER DAMPING	2013
Mechanical	Design	DESIGN OF FLYWHEEL FOR IMPROVING ENERGY STORAGE USING FINITE ELEMENT ANALYSIS	2013
Mechanical	Design	ANALYSIS ,MODIFICATION IN CABLE REELING DRUM WITH SPIRAL SPRING ARRENGEMENT FOR 30/15 M.T. ELECTRICALLY OVERHEAD TRANSMISSION CRANE	2013
Mechanical	Design	FINITE ELEMENT ANALYSIS AND TESTING OF SPACE BORN COMPONENTS SUBJECTED TO FAR FIELD PYRO-SHOCK	2013
Mechanical	Design	ANALYSIS OF PIPELINE DENT UNDER STRAIN CONTROLLED LOADING	2013
Mechanical	Design	OPTIMIZATION OF MAJOR COMPONENTS OF INJECTION MOULDING MACHINE	2013
Mechanical	Design	DESIGN AND ANALYSIS OF LEAF SPRING FOR LIGHT WEIGHT AUTOMOBILE	2013
Mechanical	Design	DESIGN AND ANALYSIS OF WIND TURBINE ROTOR BLADE	2013
Mechanical	Design	THERMAL ANALYSIS AND DESIGN OF SCRAPED SURFACE HEAT EXCHANGER	2013
Mechanical	Design	CFD ANALYSIS, OPTIMIZATION AND DEVELOPMENT OF SWIRL CAN TYPE COMBUSTION CHAMBER	2013
Mechanical	Design	NOZZLE DIMENSIONS ANALYSIS FOR STRESS CONCENTRATION FACTOR IN PRESSURE VESSEL	2013
Mechanical	Design	DESIGN AND ANALYSIS OF PLASTIC INJECTION MOULDING MACHINE TO ENHANCE THE EFFICIENCY	2013

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Mechanical	Design	DESIGN AND ANALYSIS OF HOISTING MECHANISM FOR SINGLE FAILURE PROOF EOT CRANE	2013
Mechanical	Design	BENDING ANALYSIS OF THIN PLATES	2013
Mechanical	Design	OPTIMIZATION AND DESIGN ANALYSIS OF SOLAR REFRIGERATION SYSTEM	2013
Mechanical	Design	DESIGN OF FIXTURE ALONG WITH MACHINING PARAMETER OPTIMIZATION	2013
Mechanical	Design	MODIFICATION & TESTING IN PIERCING DIE DESIGN IN ORDER TO REDUCE FAILURE OF PUNCH BY USING FINITE ELEMENT ANALYSIS	2013
Mechanical	Design	ANALYSIS OF HYDRODYNAMIC FIXED PAD BEARING TO REDUCE VIBRATION BY REPLACING FLEXURAL PAD IN PLACE OF FIXED PAD	2013
Mechanical	Design	STRUCTURAL DESIGN AND ANALYSIS OF WIND TURBINE FOR ITS MULTIVARIABLE HEIGHT USING ANSYS	2013
Mechanical	Design	DESIGN OF PORTABLE MILLING MACHINE FOR HEAVY JOBS	2013
Mechanical	Design	DESIGN AND STABILITY ANALYSIS OF MOTORIZED RAMSHORN HOOK PULLEY BLOCK	2013
Mechanical	Design	DEVELOPMENT OF LOBE PROFILE OF EXTERNAL LOBE PUMP	2013
Mechanical	Design	PARAMETER OPTIMIZATION OF ROLLER BEARING USING TEACHING-LEARNING BASED OPTIMIZATION ALGORITHM	2013
Mechanical	Design	DESIGN OF ROLLERS AND FRAMES FOR THREE ROLLER BENDING MACHINE TO ROLL 125MM THICK PLATE IN COLD CONDITION	2013
Mechanical	Design	DESIGN, ANALYSIS AND OPTIMIZATION OF AUTOMOBILE DRIVE SHAFT	2013
Mechanical	Design	MECHANICAL DESIGN OF A HEAT EXCHANGER AND OPTIMIZATION OF THE WELD GEOMETRY OF SS TUBE TO TUBESHEET JOINT	2013
Mechanical	Design	STUDY ON FAILURE ANALYSIS OF AUTOMOBILE DIFFERENTIAL PINION SHAFT.	2013
Mechanical	Design	THE INFLUENCE OF STRESS RELIEVING FEATURES ON REDUCTION OF THE STRESS IN SPUR GEAR	2013
Mechanical	Design	DESIGN AND ANALYSIS OF TWO WHEELER VEHICLE'S REAR MECHANICAL SHOCK ABSORBER	2013
Mechanical	Design	DESIGN ANALYSIS AND OPTIMIZATION OF HYDRAULIC LOADER	2013
Mechanical	Design	DESIGN AND ANALYSIS OF COMPOSITE MATERIAL SHAFT IN AUTOMOBILE	2013
Mechanical	Design	MODELLING AND OPTIMIZATION OF CENTRIFUGAL PUMP	2013
Mechanical	Design	EXPERIMENT AND INVESTIGATE FRACTURE TOUGHNESS FOR HIGHLY DUCTILE MATERIAL	2013
Mechanical	Design	THE MODELING & DESIGNING OF MUFFLER FOR THE ACOUSTIC ADVANTAGE ON AUTOMOTIVE VEHICLES	2013
Mechanical	Design	DESIGN MODIFICATION AND ANALYSIS OF AUTOMOBILE WHEEL RIM BY USING FINITE ELEMENT METHOD	2013
Mechanical	Design	DESIGN AND ANALYSIS OF MUFFLER USED IN AUTOMOBILE INDUSTRY	2013
Mechanical	Design	OPTIMUM DESIGN OF WORM GEAR USING MULTI OBJECTIVE DECISION MAKING METHOD	2013
Mechanical	Design	MATERIAL BEHAVIOUR UNDER NON PROPORTIONAL LOADING:A NUMERICAL APPROACH	2013
Mechanical	Design	DESIGN STUDY OF MULTI BLOCK BEAM DUMP CUM DIAGNOSTICS USING CARBON FIBER COMPOSITE (CFC) AND SILICON CARBIDE (SiC) FOR CHARACTERIZING ENERGETIC BEAMS	2013
Mechanical	Design	OPTIMIZATION OF ELECTRICAL DISCHARGE MACHINING PARAMETERS USING GENETIC ALGORITHM AND ARTIFICIAL NEURAL NETWORK	2013
Mechanical	Design	DESIGN AND ANALYSIS OF COMPOSITE LEAF SPRING FOR LUV	2013

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Mechanical	Design	DESIGN, ANALYSIS AND OPTIMIZATION OF A TOOL SHANK OVERHANG OF A TURNING MACHINE USING MCKIBBEN ACTUATOR	2013
Mechanical	Design	AERODYNAMIC ANALYSIS OF VERTICAL AXIS WIND TURBINE BLADE	2013
Mechanical	Design	DESIGN MODIFICATION OF DISC BRAKE AND PERFORMANCE ANALYSIS OF IT BY VARYING PATTERNS OF HOLES ON DISC	2013
Mechanical	Design	PARAMETRIC OPTIMIZATION OF ENGINEERING BY RESPONSE SURFACE METHODOLOGY AND ANOVA DURING HARD TURNING	2013
Mechanical	Design	STUDY OF CRACK TIP PLASTIC ZONE IN AL2024-T3 DUE TO STATIC LOADING	2013
Mechanical	Design	STUDY OF CRACK TIP PLASTIC ZONE IN SA333 C-MN STEEL DUE TO FATIGUE LOADING	2013
Mechanical	Design	SELECTION AND VALIDATION OF MATERIAL TO DESIGN PLASTIC GEAR USING MULTI ATTRIBUTE DECISION MAKING METHODS	2013
Mechanical	Design	DESIGN AND ANALYSIS OF LARGE OPENING NOZZLE AS PER ASME DESIGN CODE	2013
Mechanical	Design	DESIGN AND ANALYSIS OF EPICYCLIC GEAR BOX	2013
Mechanical	Design	DESIGN OF LATHE BED TO IMPROVE ITS STATIC AND DYNAMIC CHARACTERISTICS BY USING FINITE ELEMENT ANALYSIS	2013
Mechanical	Design	DESIGN AND ANALYSIS OF HOOK FOR OPTIMUM WEIGHT LIFTING IN HOIST	2013
Mechanical	Design	PARAMETRIC STUDY AND DESIGN OPTIMIZATION OF CENTRIFUGAL BLOWER	2013
Mechanical	Design	TO DEVELOP AN EXCEL BASED SOFTWARE FOR DESIGN OF LEAF SPRING USING ISO STANDARDS	2013
Mechanical	Design	TO DESIGN AND OPTIMIZE PLATEN, FRAME AND ENHANCING WORKING RANGE OF CTM	2013
Mechanical	Design	DESIGN OF ROLL PADDER IN STENTER MACHINE	2013
Mechanical	Design	DESIGN AND OPTIMIZATION OF HELICAL GEAR FOR MAXIMIZING BEAM STRENGTH	2013
Mechanical	Design	ANALYSIS AND OPTIMIZATION OF WHEEL BEARING PERFORMANCE	2013
Mechanical	Design	DESIGN ANALYSIS & WEIGHT OPT. OF BANJO TYPE SEMI-TRAILER WITH SPRUNG CHASSIS	2013
Mechanical	Design	DESIGN, VERIFICATION, MODIFICATION AND ANALYSIS OF CONTAINER FOR SOLID WASTE MANAGEMENT	2013
Mechanical	Design	MODAL ANALYSIS OF A NON-AXISYMMETRIC ROTOR SYSTEM	2013
Mechanical	Design	TO DESIGN & OPTIMIZE GRIPPER AND VERTICAL DAYLIGHT IN UNIVERSAL TESTING MACHINE.	2013
Mechanical	Design	DESIGN AND DEVELOPMENT OF MONO RAIL STRUCTURE FOR MATERIAL HANDLING	2013
Mechanical	Design	OPTIMUM DESIGN OF RADIAL ACTIVE MAGNETIC BEARING USING ADVANCED OPTIMIZATION TECHNIQUE	2013
Mechanical	Design	NUMERICAL PREDICTION OF FRACTURE USING DAMAGE MECHANICS APPROACH	2013
Mechanical	Design	NUMERICAL INVESTIGATION OF CAVITATION OF CENTRIFUGAL PUMP	2013
Mechanical	Design	DESIGN MODIFICATION & FAILURE MODE EFFECT ANALYSIS OF VIBRATING FEEDER USED IN STONE CRUSHING INDUSTRY	2013
Mechanical	Design	DESIGN AND ANALYSIS OF MOUNDED BULLET TANK	2013
Mechanical	Design	DAMAGE GROWTH ANALYSIS IN LAYERED COMPOSITE DUE TO IMPACT LOADING	2013
Mechanical	Design	ANALYSIS OF PLASTIC ZONE AT BIMATERIAL INTERFACE FOR MONOTONIC AND CYCLIC LOADING	2013

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Design	DESIGN AND DEVELOPMENT OF VALVELESS PUMP	2013
Mechanical	Design	COMPARATIVE STUDY OF WORLD WIND AND SEISMIC CODES FOR THE STATIC EQUIPMENTS AND DEVELOPMENT OF COMMON MODEL FOR WIND AND SEISMIC ANALYSIS	2013
Mechanical	Design	DESIGN, STRESS ANALYSIS AND OPTIMIZATION OF SELF-WEIGHT FOR CRANE HOOK	2013
Mechanical	Design	DESIGN AND FINITE ELEMENT ANALYSIS OF DOUBLE WISHBONE SUSPENSION SYSTEM	2013
Mechanical	Design	DESIGN AND ANALYSIS OF STRESSES IN HELICAL GEAR	2013
Mechanical	Design	EFFECT OF PROCESS PARAMETER OF 3 DIMENSIONAL PRINTING MACHINE USING POLYLACTIC ACID MATERIAL	2013
Mechanical	Design	DESIGN,FE ANALYSIS AND OPTIMIZATION OF PRESS BRAKE	2013
Mechanical	Design	OPTIMIZATION OF SPUR GEAR DESIGN FOR OIL CHURNING LOSSES WITH CONSIDERING DIFFERENT LUBRICANT	2013
Mechanical	Design	ADVANCED GEAR BOX DESIGN AND ANALYSIS OF ARTICULATED ROBOT	2013
Mechanical	Design	DESIGN AND ANALYSIS OF ROLLER CONVEYOR SYSTEM FOR SHOT BLASTING	2013
Mechanical	Design	DESIGN MODIFICATION OF CRITICAL COMPONENTS OF SYRUP FILLING MACHINE	2013
Mechanical	Design	DESIGN ANALYSIS AND WEIGHT OPTIMIZATION OF CRANE HOOK	2013
Mechanical	Design	DESIGN ANALYSIS AND WEIGHT OPTIMIZATION OF COMPOSITE MATERIAL FOR GEAR TRAIN	2013
Mechanical	Design	DESIGN OF MODULAR EVENER BEAM FOR HANDLING VARIOUS SIZE OF PLATES	2013
Mechanical	Design and Manufacturing	Design and analysis of fixture to perform various machining operation in a single setup	2013
Mechanical	Design and Manufacturing	TOOL LIFE ESTIMATION OF CNC FACE MILLING TOOL BY OPTIMIZATION PROCESS PARAMETER	2013
Mechanical	Design and Manufacturing	MINIMIZATION OF CASTING DEFECTS BY ANALYSIS OF JUNCTIONS IN INVESTMENT CASTING DESIGN THROUGH CASTING SIMULATION	2013
Mechanical	Design and Manufacturing	PARAMETRIC STUDY OF ABRASIVE WATER JET MACHINING FOR SILICON NITRIDE (SI3N4).	2013
Mechanical	Design and Manufacturing	PROCESS STUDY & IMPLEMENTATION OF LEAN MANUFACTURING IN CEMENT INDUSTRY	2013
Mechanical	Design and Manufacturing	ANALYSIS OF DIFFERENT TOOLS MATERIAL ON MRR AND SURFACE FINISH OF EN31 MATERIAL BY TURNING PROCESS	2013
Mechanical	Design and Manufacturing	DESIGN OPTIMIZATION OF DISH END FOR PRESSURE VESSEL FROM MANUFACTURING ASPECTS	2013
Mechanical	Design and Manufacturing	PARAMETRIC OPTIMIZATION OF PLASMA ARC CUTTING USING REGRESSION ANALYSIS	2013
Mechanical	Design and Manufacturing	PARAMETRIC OPTIMIZATION OF DIE STEEL USING WIRE CUT EDM	2013
Mechanical	Design and Manufacturing	STUDY & EVALUATION OF SUITABLE SHIELDING GAS MIXTURE FOR SUPER DUPLEX SS WELD OVERLAY BY GAS METAL ARC WELDING PROCESS	2013

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Mechanical	Design and Manufacturing	PARAMETRIC STUDY OF FINITE ELEMENT MODELING OF MACHINING OF TI - 6AL - 4V AND AISI STEEL AND SIMULATION USING ABAQUS	2013
Mechanical	Design and Manufacturing	EXPERIMENTAL EVALUATION OF CUTTING FORCE MODEL FOR ORTHOGONAL CUTTING	2013
Mechanical	Design and Manufacturing	PRODUCTIVITY IMPROVEMENT BY USE OF VARIOUS PRODUCTIVITY IMPROVEMENT TOOLS FOR ASSEMBLY OF ATUL GEM VEHICLES	2013
Mechanical	Design and Manufacturing	OPTIMIZATION OF PART GEOMETRY IN SINGLE POINT INCREMENTAL FORMING USING NUMERICAL ANALYSIS	2013
Mechanical	Design and Manufacturing	ENERGY SAVING OPPORTUNITY IN CNC MACHINE TOOL BUILDING	2013
Mechanical	Design and Manufacturing	ENHANCEMENT OF PERFORMANCE OF SINGLE PLATE CLUTCH BY DETECTION & REDUCTION OF DEFECTS ENCOUNTERED	2013
Mechanical	Design and Manufacturing	Optimization of welding hardness for martensitic stainless steel ss410, on submerged arc welding	2013
Mechanical	Design and Manufacturing	Particle swarm optimisation of abrasive water jet machine	2013
Mechanical	Design and Manufacturing	DESIGN AND ANALYSIS OF FIXTURE FOR CNC/VMC/LATHE MACHINE	2013
Mechanical	Design and Manufacturing	DESIGN, DEVELOPMENT AND ANALYSIS OF SALT CORE FOR A CASTING OF ALLUMINIUM ALLOY	2013
Mechanical	Design and Manufacturing	ANALYSIS OF WELD JOINT DESIGN AND DISTORTION IN WELDING OF ALUMINIUM MATERIAL	2013
Mechanical	Design and Manufacturing	PARAMETRIC OPTIMIZATION OF CUTTING FORCE AND TEMPERATURE DURING HARD TURNING	2013
Mechanical	Design and Manufacturing	DESIGN, ANALYSIS AND OPTIMIZATION OF STRUCTURE COMPONENT (COLUMN) FOR VERTICAL TURNING LATHE	2013
Mechanical	Design and Manufacturing	FEA ANALYSIS AND OPTIMIZATION OF PLATEN FOR INJECTION MOULDING MACHINE	2013
Mechanical	Design and Manufacturing	DESIGN & PROCESS CAPABILITIES OF A HYDRAULIC FIXTURE FOR REAR COVER	2013
Mechanical	Design of IC Engine	weight optimization of deep groove ball bearing	2012
Mechanical	Dynamics	NON LINEAR VIBRATION ON ROLLER BEARING	2013
Mechanical	Dynamics	VIBRATION AND FATIGUE ANALYSIS OF COMPOSITE MATERIALS	2013
Mechanical	EDM	Influence of copper and brass Electrode materials and Process Parameters on Surface Quality, , TWR and MRR in Electrical Discharge Machining (EDM) of Inconel(Incoloy) 825material	2012



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Mechanical	EDM Geometric Tool Condition	Some studies on effect of tool material on process characteristics in EDM	2012
Mechanical	Energy Audit	Efficiency Optimization & Detailed Energy audit in CETP industry	2012
Mechanical	Energy Audit	DETAILED ENERGY AUDIT IN SELECTED AREA OF INDUSTRY TO ASSESS LOSSES AND IMPROVE ENERGY EFFICIENCY	2014
Mechanical	Energy Audit	AN EFFECTIVE ENERGY CONSERVATION OPPORTUNITY IN POWER SECTOR BY ENERGY AUDIT	2014
Mechanical	Energy Audit	PERFORMANCE IMPROVEMENT AND EFFICIENCY OPTIMIZATION OF AN INDUSTRY THROUGH ENERGY AUDIT	2014
Mechanical	Energy Conservation	PERFORMANCE OF CI ENGINE USING DESEL AS FUEL , FOCUSNG COMBUSTIO MODELLING AND CYCLE ANALYSYS SIMULATION	2012
Mechanical	Energy Conservation in IC & Auto	EVOLUTION AND ROAD TEST OF FOUR WHEELS DRIVEN HYBRID VEHICLE & ITS FABRICATION	2012
Mechanical	Energy Management	ENERGY CONSERVATION OPPORTUNITIES WITH A VARIABLE SPEED DRIVE IN BOILER HOUSE	2013
Mechanical	Energy Management	EFFICIENCY OPTIMIZATION AND DETAILED ENERGY AUDIT	2013
Mechanical	Energy Management	NUMERICAL ANALYSIS OF CENTRIFUGAL PUMP PERFORMANCE	2013
Mechanical	Energy Management	LIFE CYCLE ANALYSIS ON HEAVY VEHICLE TYRE RETREADING	2013
Mechanical	Energy Management	THEORITICAL AND EXPERIMENTAL INVESTIGATION OF A DEDICATED PRODUCER GAS ENGINE TECHNOLOGY	2013
Mechanical	Energy Management	CO2 GENERATION THROUGH AUTOMOBILE AND ITS EFFECT ON URBAN AREA CLIMATE	2013
Mechanical	Energy Management	DESIGN AND DEVELOPMENT OF 1KW ORGANIC RANKINE CYCLE	2013
Mechanical	Energy Management	"EFFECT OF CO2 ON CLIMATE AND CAPTURE CO2 FROM EMISSION FOR STABILIZING CARBON CYCLE "	2013
Mechanical	Energy Management	PARAMETRIC ANALYSIS OF ORGANIC RANKINE CYCLE	2013
Mechanical	Energy Management	ENERGY AND EXERGY ANALYSIS OF HIGH PRESSURE BOILER IN STEAM POWER PLANT	2013
Mechanical	Experimental Work	EXPERIMENTAL INVESTIGATION OF FOUR STROKE SI ENGINE USED S BI-FUEL CNG ENGINE WITH OPTIMUMM IGNITION PARAMETER	2012
Mechanical	Experimental Work	Experimental Investigation On Single Cylinder CI Engine With Biogas And Diesel As a Duel Fuel For Measurment Of Performance And Emission	2012
Mechanical	Experimental Work		2012
Mechanical	Experimental Work	A PARAMETRIC STUDY OF FOUR STROKE SINGLE CYLINDER C.I ENGINE FUELLED WITH LPG FOR ENHANCEMENT OF PERFORMANCE	2012
Mechanical	Experimental Work	Wear measurement of automotive disk brake friction matireal	2012
Mechanical	Experimental Work	CFD Simulation and Validation of Effect of Temperature on Lubricating oil for 4-Speed Automobile Gear-Box.	2012
Mechanical	Experimental Work	Experimental analysis of Single Cylinder 4-Stroke Diesel Engine for the Performance and Emission Characteristics at Different Inclinations of the Intake Manifold.	2012
Mechanical	Experimental Work	Experimental Analysis of Performance and Emission of Single Cylinder Diesel Engine with Porous Medium Combustion Chamber	2012
Mechanical	Experimental Work	Investigation and prediction of braking performance of disc brake by changing the brake rotor profile	2012
Mechanical	Experimental Work	EXPERIMENTAL INVASTIGATION ON EFFECT OF PLASMA NITRIDING ON WEAR OF CHAIN-SPROCKET ASSEMBLY USED IN MOTORCYCLE.	2012

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Experimental Work	MEASUREMENT OF HEAT RECOVERY FROM ENGINE EXHAUST GAS USED IN ELECTROLUX REFRIGERATION SYSTEM	2012
Mechanical	Friction Stir Welding	EFFECT OF FRICTION STIR WELDING PROCESS PARAMETERS ON STRENGTH OF POLYMER WELD	2012
Mechanical	Heat Exchanger	to improve the performance of heat exchanger by experiments: twisted tape insert with metallic wiry sponge	2012
Mechanical	Heat Exchanger	experimental analysis of single tube type heat exchanger with internal fins: circular and rectangular	2012
Mechanical	Heat Exchanger Experimental Work	HEAT TRANSFER ENHANCEMENT IN DIFFERENT CONFIGURATION OF HEAT EXCHANGER BY USING NANOFLUID	2012
Mechanical	Heat Transfer	Performance analysis of pipes by different bend angles using cfd	2012
Mechanical	Heat Transfer	thermal analysis of I c engine cylinder fins array using cfd	2012
Mechanical	Heat Transfer	EXPERIMENTAL AND NUMERICAL ANALYSIS OF PULSATING HEAT PIPE IN ELECTRONICS COOLING	2012
Mechanical	Heat Transfer And Fluid Engg.	EXPERIMENTAL INVESTIGATION OF THE PERFORMANCE OF TRIPLE CONCENTRIC PIPE HEAT EXCHANGER	2012
Mechanical	Heat Transfer and Heat Exchangers	STUDY OF FOULING IN MILK PHE & ITS EFFECTS ON OTHER DOMINATING VARIABLES	2013
Mechanical	Heat Transfer and Heat Exchangers	INVESTIGATION ON EFFECT OF AGRICULTURAL WASTES AS AN INSULATION MATERIAL ON PRIMARY ENERGY AND CO2 EMISSION OF MULTI STOREY RESIDENTIAL BUILDING	2013
Mechanical	Heat Transfer and Heat Exchangers	PERFORMANCE EVALUATION OF PLATE HEAT EXCHANGER AS COMPARED TO SHELL AND TUBE HEAT EXCHANGER IN VACUUM SYSTEM	2013
Mechanical	Heat Transfer and Heat Exchangers	EXERGY ANALYSIS OF THE INLET COOLING WATER TEMPERATURE OF CONDENSER	2013
Mechanical	Heat Transfer and Heat Exchangers	DEVELOPMENT OF CORRELATION FOR BOILING HEAT TRANSFER	2013
Mechanical	Heat Transfer and Heat Exchangers	FLOW BOILING HEAT TRANSFER IN SINGLE CHANNEL OF SMALL DIAMETER PIPE	2013
Mechanical	Heat Transfer and Heat Exchangers	DESIGN SOLUTION OF THERMAL INSULATION FOR FURNACE.	2013
Mechanical	Heat Transfer and Heat Exchangers	ANALYSIS OF FLUID FLOW & HEAT TRANSFER IN DOUBLE PIPE COUNTER FLOW HEAT EXCHANGER	2013
Mechanical	Heat Transfer and Heat Exchangers	EXPERIMENTAL INVESTIGATION AND EXERGY ANALYSIS OF DOUBLE PIPE HEAT EXCHANGER USING WITH TWISTED TAPE.	2013
Mechanical	Heat Transfer and Heat Exchangers	HEAT TRANSFER IN PORUS MEDIA	2013
Mechanical	Heat Transfer and Heat Exchangers	THERMAL ANALYSIS OF EVAPORATOR PLATE OF BULK COOLER	2013
Mechanical	Heat Transfer and Heat Exchangers	COMPARATIVE STUDY ON THERMAL ANALYSIS OF SHELL AND TUBE HEAT EXCHANGER WITH PLAIN TUBE AND CORRUGATED TUBE	2013

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Heat Transfer and Heat Exchangers	CFD ANALYSIS OF TRIPLE CONCENTRIC TUBE HEAT EXCHANGER	2013
Mechanical	Heat Transfer and Heat Exchangers	ANALYSIS OF HEAT TRANSFER PARAMETERS IN SHELL AND HELICAL TUBE HEAT EXCHANGER	2013
Mechanical	Heat Transfer and Heat Exchangers	"EXPERIMENTAL ANALYSIS OF PULSATING HEAT PIPE IN AUTOMOBILE RADIATOR WITH ENTROPY GENERATION MINIMIZATION"	2013
Mechanical	Heat Transfer and Heat Exchangers	EXPERIMENTAL STUDY OF HEAT TRANSFER ENHANCEMENT USING HEAT PIPE BASED HEAT EXCHANGER.	2013
Mechanical	Heat Transfer and Heat Exchangers	ANALYSIS AND PERFORMANCE ON IMPROVING THE EFFICIENCY OF FORCED DRAFT COOLING TOWER.	2013
Mechanical	Heat Transfer and Heat Exchangers	CONVECTIVE DRYING	2013
Mechanical	Heat Transfer and Heat Exchangers	HEAT TRANSFER IN RADIATION AND CONDUCTION	2013
Mechanical	Heat Transfer and Heat Exchangers	EXERGY ANALYSIS OF A POWER PLANT	2013
Mechanical	Heat Transfer and Heat Exchangers	NUMERICAL ANALYSIS OF SHELL AND TUBE HEAT EXCHANGER USING HTRI	2013
Mechanical	Heat Transfer and Heat Exchangers	HEAT TRANSFER ENHANCEMENT OF HEAT PIPE USING NANOFUID	2013
Mechanical	Heat Transfer and Heat Exchangers	HEAT TRANSFER IN VERTICAL PREHEATER FOR CEMENT INDUSTRIES	2013
Mechanical	Heat Transfer and Heat Exchangers	EXPERIMENTAL ANALYSIS OF THERMAL CONTACT RESISTANCE ACROSS DIFFERNT COMPOSITE MATERIAL PAIR USING DIFFERENT INTERFACE MATERIAL	2013
Mechanical	Heat Transfer and Heat Exchangers	TO STUDY THE PERFORMANCE OF HEAT EXCHANGERS BY REPLACING COPPER TUBES WITH THE TUBES MADE OF POLYMERS AND COMPOSITE MATERIAL	2013
Mechanical	Heat Transfer and Heat Exchangers	EXERGY ANALYSIS ON SHELL AND TUBE TYPE HEAT EXCHANGER	2013
Mechanical	Heat Transfer and Heat Exchangers	DESIGN OPTIMIZATION AND ANALYSIS OF SHELL AND TUBE HEAT EXCHANGER BY USING CAD/CAE TECHNIQUES.	2013
Mechanical	Heat Transfer and Heat Exchangers	FLOW REGIME TRANSITION & PRESSURE DROP PREDICTION INTWO-PHASE FLOW IN HORIZONTAL PIPE.	2013
Mechanical	Heat Transfer and Heat Exchangers	THERMAL PERFORMANCE OF AUTOMOBILE RADIATOR USING NANOFUID	2013
Mechanical	Heat Transfer and Heat Exchangers	EXPERIMENTAL INVESTIGATION OF SHELL AND TUBE HEAT EXCHANGER WITH NANO FLUID	2013

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Heat Transfer and Heat Exchangers	SIMULATION AND ANALYSIS OF SPIRAL TUBE HEAT EXCHANGER	2013
Mechanical	Hot Machining Process	PERFORMANCE EVALUATION AND PARAMETRIC OPTIMIZATION OF HOT MACHINING PROCESS ON EN-8 MATERIAL	2012
Mechanical	HVAC equipment	Parametric analysis of FRP cooling tower	2012
Mechanical	I.C. Engine	performance and emissin analysis of two stroke engine with four spark pluge	2012
Mechanical	I.C. Engine	Experimental Investigation on Combined Effect of Thermal Barrier Coating and Blending on Stationary Four Stroke C.I Engine Performance And Emission Characteristics	2012
Mechanical	I.C. Engine	EFFECT OF ALCHOHOL & STP (SCIENTIFIC TREATMENT OF PETROLIUM) OCTANE BOOSTER GASOLINE BLEND ON S.I.ENGINE.	2012
Mechanical	I.C. Engine	Heat transfer analysis of 4 stroke SI engine cylinder head-block assembly by experimental and CFD approach	2012
Mechanical	I.C. Engine	Heat transfer effect of different shapes of fins on cylinder block of 2 - Stroke SI Engine by experimental and CFD analysis	2012
Mechanical	I.C. Engine	EXPERIMENTAL INVESTIGATION ON DIFFERENT INJECTION PRESSURE AND INJECTOR HOLES NUMBER IN STATIONERY 4-STROKE SINGLE CYLIDER DIESEL ENGINE PERFORMANCE USING NEEM OIL-DIESEL BLENDS	2012
Mechanical	I.C. Engine	Experimental Investigation of Reduction in Exhaust Emission of C.I. Engine by Catalytic Converter and SCR using Blends of Biodiesel and Fuel Additives	2012
Mechanical	I.C. Engine	Experimental and CFD Analysis of wavy fins of cylinder of 4S Gasoline Motorcycle	2012
Mechanical	I.C. Engine	An Experimental Investigating on Performance and Emissions Analysis of Diesel engine with Butanol diesel Blends	2012
Mechanical	I.C. Engine	Experimental investigation of Droplet Ignition of Biodiesel and its blends	2012
Mechanical	I.C. Engine	Thermal Analysis of Disc Brake by Varying Design Parameters	2012
Mechanical	I.C. Engine	Performance and emission studies of Diesel engine using blends of Diesel, Tyre Pyrolysis Oil & Dibutyl Maleate	2012
Mechanical	I.C. Engine	Thermal analysis and weight optimization of I.C engine piston	2012
Mechanical	I.C. Auto, Non Conventional Energy System	EXPERIMENTAL INVESTIGATION ONUSE OF BIOGAS AS FUEL MODE DIESEL ENGINE	2012
Mechanical	I.C. Engine	PERFORMANCE IMPROVEMENT OF 4- STROKE 4- CYLINDER DIESEL ENGINE WITH OPTIMUM INJECTION PRESSURE & EMISSION	2012
Mechanical	I.C. Engine	Investigation on the effect of variable compression ratio for combustion, performance and emission characteristics of	2012
Mechanical	I.C. Engines & Auto.	Perfomance and exhaust gas analysis of agricultural diesel engine by using neem oil and CNG-A comparative analysis	2012

Main Branch	Theme/Area	Title of Project	Year
Mechanical	I.C. Engines & Auto.	Influence Of Turbulence Generated Air Swirl On Performance & Emission Of Spark Ignition Engine	2012
Mechanical	I.C. Engines & Auto.	AERODYNAMICS ANALYSIS OF SEDAN CAR BY CFD	2012
Mechanical	I.C. Engines & Auto.	An Experimental study of petrol engine using compressed biogas as a fuel	2012
Mechanical	I.C. Engines & Auto.	Experimental analysis of friction between piston ring and liner in ic engine	2012
Mechanical	I.C. Engines & Auto.	Design and development of aqua silencer	2012
Mechanical	I.C. Engines & Auto.	Experimental analysis of performance and emission of C. I. Engine by using different piston geometry	2012
Mechanical	I.C. Engines & Auto.	EXPERIMENTAL STUDY OF PERFORMANCE AND EMISSION CHARACTERISTICS OF TWO WHEELER BY CHANGING FINAL DRIVE GEAR RATIO	2012
Mechanical	I.C. Engines & Auto.	Performance and Emission Analysis of Diesel Engine Using HHO at Inlet Manifold	2012
Mechanical	I.C. Engines & Auto.	Performance & Simulation of Urea based Catalytic Converter in CI engine	2012
Mechanical	IC & Auto	EXPERIENTAL INVESTIGATION OF BI-METALIC COPPER COTTING OF DIESEL ENGINE EMISSION	2012
Mechanical	IC & Auto	EXPERIMENTAL INVESTIGATION OF HYDROGEN PORT FUEL AS A PART OF SUPPLIMENT ON 4-STROKE SI ENGINEIC & AUTO	2012
Mechanical	IC & Auto	EXPERIMENT SUDIES OF BIOFUELS IN STATIONARY IC ENGINE	2012
Mechanical	IC & AUTO CFD	CFD ANALYSIS OF GEAR ROTOR PUMP USED IN ENGINE LUBRICATIN	2012
Mechanical	IC & AUTO FEA	THERMAL ANALYSIS OF ADIABATIC DIESEL ENGINE COMBUSTION CHAMBER COMPONENTS USING FEA	2012
Mechanical	IC & Auto, Shok Absorber	EXPERIMENTAL ANALYSIS OF DAMPING FLUID IN HYDRAULIC TELE SCOPIC SHOK ABSORBER	2012
Mechanical	IC Auto	EXPERIMENTAL INVESTIGATION OF FRICTION PERFORMANCE OF AUTOMOTIVE BRAKE USING DIFFERENT FRICTION MATERIALS NAMEDLY ALUMINA AND TITANIUM.	2013
Mechanical	IC Auto	FATIGUE AND STATIC STRUCTURAL ANALYSIS OF HEAVY DUTY VEHICLE AXLE USING FINITE ELEMENT ANALYSIS SOFTWARE.	2013
Mechanical	IC Auto	PERFORMANCE ANALYSIS OF MONO COMPOSITE LEAF SPRING FOR LIGHT COMMERCIAL VEHICLE.	2013
Mechanical	IC Auto	ENHANCEMENT OF HEAT TRANSFER IN CAR RADIATOR BY USE OF MAGNESIUM OXIDE (MGO) AS A NANO PARTICLE	2013
Mechanical	IC Auto	DESIGN AND DEVELOPMENT OF NATURAL GAS INJECTION SYSTEM IN IC ENGINE	2013
Mechanical	IC Auto	HYDRODYNAMIC STUDIES IN LIQUID JET DOWNFLOW BUBBLE COLUMN	2013
Mechanical	IC Auto	PERFORMANCE ANALYSIS OF IC ENGINE USING MULTIFUEL BLENDING	2013
Mechanical	IC Auto	PARAMETRIC OPTIMIZATION AND AERODYNAMIC ANALYSIS OF LOADED TRUCK	2013
Mechanical	IC Auto	DESIGN AND THERMAL ANALYSIS OF DISC BRAKE ROTOR OF FOUR WHEELER	2013
Mechanical	IC Auto	EXPERIMENTAL INVESTIGATION ON REDUCTION IN NO X EMISSION OF C.I. ENGINE BY COMBINED TREATMENT OF EGR,CATALYTIC CONVERTER AND AIR-DILUTION SYSTEM USING BIO-DIESEL.	2013
Mechanical	IC Auto	Design and fabrication of Limber Bike	2013
Mechanical	IC Auto	PRODUCTION AND SAMPLING OF BIOFUEL EXTRACTED FROM ALGAE	2013
Mechanical	IC Auto	PERFORMANCE & ANALYSIS OF 4-S PETROL ENGINE BLENDING WITH WASTE PLASTIC FUEL.	2013

Main Branch	Theme/Area	Title of Project	Year
Mechanical	IC Auto	INVESTIGATION WORK ON DESIGN OF COMBUSTION CHAMBER AND ITS EFFECT ON COMBUSTION EFFICIENCY OF DIESEL ENGINE	2013
Mechanical	IC Auto	ANALYSIS OF AN I C ENGINE PERFORMANCE USING NANO FLUID AS COOLANT.	2013
Mechanical	IC Auto	PERFORMANCE AND TESTING OF SINGLE CYLINDER DIESEL ENGINE USING ULTRASONICALLY PRODUCED KARANJ OIL BLEND WITH DIESEL	2013
Mechanical	IC Auto	EXPERIMENTAL INVESTIGATION ON PERFORMANCE OF HCCI COMBUSTION IN DIESEL ENGINE WITH BIO FUEL	2013
Mechanical	IC Auto	EXPERIMENTAL INVESTIGATION ON LIFE CYCLE ANALYSIS OF MOLY-COATED PISTON RING OF SI ENGINE FUELLED WITH PETROL AND CNG	2013
Mechanical	IC Auto	INVESTIGATION ON PERFORMANCE AND EMISSION OF DIESEL ENGINE BY PREHEATING FUEL USING EXHAUST GASES	2013
Mechanical	IC Auto	PERFORMANCE EVALUATION USING PISTON CROWN GEOMETRY AND IGNITION VOLTAGE REQUIREMENT FOR A DEDICATED BIOGAS ENGINE TECHNOLOGY	2013
Mechanical	IC Auto	EXPERIMENTAL INVESTIGATION ON IC ENGINE BY USING DIFFERENT MANIFOLD DESIGN	2013
Mechanical	IC Auto	PERFORMANCE AND EMISSION ANALYSIS OF 2 STROKE 4 SPARK PLUG S.I. ENGINE WITH GASOLINE FUEL.	2013
Mechanical	IC Auto	EXPERIMENTAL INVESTIGATION OF SINGLE CYLINDER DIESEL ENGINE USING HCCI TECHNIQUE WITH ETHANOL BLENDS	2013
Mechanical	IC Auto	EGR WITH FUEL BLENDING AND MATERIAL COATING ON PISTON CROWN	2013
Mechanical	IC Auto	"EXPERIMENT AND ANALYSIS OF FUEL INJECTION PRESSURE ON PERFORMANCE OF DIESEL ENGINE AT DIFFERENT INCLINATION OF INTAKE MANIFOLD"	2013
Mechanical	IC Auto	DESIGN, ANALYSIS AND PERFORMANCE INVESTIGATION OF ELECTRO-MAGNETIC ENGINE	2013
Mechanical	IC Auto	DESIGN, FABRICATION & WORK OUTPUT ENHANCEMENT OF HYBRID ELECTRICAL VEHICLE.	2013
Mechanical	IC Auto	OPTIMIZATION OF AERODYNAMICALLY MODIFIED COMMERCIAL VEHICLES IN STRONG CROSSWIND CONDITIONS USING CFD ANALYSIS & SIMULATION.	2013
Mechanical	IC Auto	SUPERCHARGING OF LUNA SUPER ENGINE FOR INCREASE IN POWER OUTPUT	2013
Mechanical	IC Auto	PERFORMANCE AND EMISSION ANALYSIS OF PIAGGIO DIESEL ENGINE WITH EXHAUST GAS RECIRCULATION SYSTEM.	2013
Mechanical	IC Auto	EXPERIMENTAL AND NUMERICAL INVESTIGATION PARAMETRIC STUDY ON LIQUID FLUID FLOW PARAMETER FLAME LENGTH AND FLAME DIA.	2013
Mechanical	IC Auto	Experimental investiugation on bio diesel fludded with diesel blend in 4 stroke C.I engine	2013
Mechanical	IC Auto	COMBINED EFFECT OF DIMETHAYLE ETHER(D.M.E) AS AN ADDITIVE AND THE INJECTION PRESSURE ON THE PERFORMANCE AND EMISSION OF 4 STROKE C.I. ENGINE.	2013
Mechanical	IC Auto	TORSION IMPROVEMENT IN TRANSMISSION SYSTEM OF MINI TRACTOR MODEL- FM-625DI (FIELD MARSHALL MAKE	2013
Mechanical	IC Auto	DESIGN OF SMALL CAPACITY AUTOMOBILE ENGINE TO RUN ON COMPRESSED AIR	2013
Mechanical	IC Auto	PLASTIC PYROLYSIS OIL FOR ENGINE	2013
Mechanical	IC Auto	DESIGN AND ANALYSIS OF EXHAUST HEAT EXCHANGER IN AUTOMOBILE THERMO ELECTRIC GENERATOR	2013
Mechanical	IC Auto	INVESTIGATION OF PERFORMANCE AND EMISSION PARAMETERS ON FOUR STROKE SI ENGINE USING PETROL AND LPG BY VARYING NUMBER OF SPARK PLUGS	2013



Main Branch	Theme/Area	Title of Project	Year
Mechanical	IC Auto	OPTIMIZATION OF AERODYNAMICALLY MODIFIED COMMERCIAL VEHICLE USING CFD ANALYSIS, MODELING & SIMULATION.	2013
Mechanical	IC Auto	PERFORMANCE AND EMISSION MEASUREMENT OF CI ENGINE USING EMULSIFIED PALM BIODIESEL.	2013
Mechanical	IC Auto	DESIGN & EVALUATION OF AIR CHARGED ROTARY ENGINE.	2013
Mechanical	IC Auto	Optimization of ignition parameter for enhancement of performance and effect of emission for 4 stroke S.I. engine fuel with biogas	2013
Mechanical	IC Auto	EXPERIMENTAL ANALYSIS OF SINGLE CYLINDER FOUR STROKE DIESEL ENGINE FLUDED WITH BIO-DIESEL AND CNG BLENDED FUEL USING EGR.	2013
Mechanical	IC Auto	FATIGUE AND STATIC STRUCTURAL ANALYSIS OF CAR WHEEL USING FINITE ELEMENT ANALYSIS SOFTWARE	2013
Mechanical	IC Auto	"TESTING AND PERFORMANCE INVESTIGATION OF SINGLE CYLINDER FOUR STROKE PETROL ENGINE WITH USE OF COMPRESSED AIR."	2013
Mechanical	IC Auto	IMPROVEMENT IN MUFFLER DESIGN FOR AUTOMOBILE NOISE ATTENUATION	2013
Mechanical	IC Auto	PERFORMANCE DESIGN, ANALYSIS AND COMPARISON OF COMPOSITE LEAF SPRING & CONVENTIONAL LEAF SPRING.	2013
Mechanical	IC Auto	DESIGN & ANALYSIS OF GAS TURBINE FOR AUTOMOBILE IMPLEMENTATION.	2013
Mechanical	IC Auto	SILENCER DESIGN OF DIESEL ENGINE	2013
Mechanical	IC Auto	DESIGN AND DEVELOPMENT OF DEDICATED AIR FILTER FOR IC ENGINE	2013
Mechanical	IC Auto	PERFORMANCE AND INVESTIGATION OF 4-S PETROL ENGINE TWO WHEELER AUTO VEHICLE AT ADIABATIC CONDITION	2013
Mechanical	IC Auto	EXPERIMENTAL INVESTIGATION ON FUEL CONSUMPTION AND EXHAUST EMISSION OF SINGLE CYLINDER PETROL ENGINE BY VARYING AIR FILTERS	2013
Mechanical	IC Auto	EXPERIMENTAL INVESTIGATION FOR THE EFFECT OF EXHAUST GAS RECIRCULATION (EGR) ON THE BIODIESEL FUELLED MULTI CYLINDER DIESEL ENGINE FOR EMISSION CONTROL	2013
Mechanical	IC Auto	DESIGN, ANALYSIS AND WEIGHT REDUCTION OF CAR FLYWHEEL USING COMPOSITE MATERIAL BY FINITE ELEMENT ANALYSIS.	2013
Mechanical	IC Auto	CATALYTIC CONVERTER BASED ON NANO FERRIC OXIDE	2013
Mechanical	IC Auto	DEVELOPMENT OF REGENERATION OF DPF FOR DIESEL ENGINE	2013
Mechanical	IC Auto	A 3D COMPUTATIONAL FLUID DYNAMICS STUDY OF AN ACETYLENE GAS EVAPORATION DEVICE OPERATING IN THE "STABILIZED COOL FLAME" REGIME	2013
Mechanical	IC Auto	FLAME BEHAVIOUR AND EMISSION CHARACTERISTICS OF BIO-DIESEL BLENDED DIESEL FUELS	2013
Mechanical	IC Auto	EFFECTS OF PISTON GEOMETRY, INJECTION TIMING AND INJECTION PRESSURE ON 4 STROKE SINGLE CYLINDER DIESEL ENGINE PERFORMANCE.	2013
Mechanical	IC Auto	AN EXPERIMENTAL STUDY ON EFFECT OF COATING OF PISTON, EXHAUST VALVE AND VARIOUS NOZZLE GEOMETRY ON 4 STROKE SINGLE CYLINDER DIESEL ENGINE PERFORMANCE.	2013
Mechanical	IC Auto	OPTIMIZATION OF NATURAL GAS ENGINE EMPLOYING EGR	2013

Main Branch	Theme/Area	Title of Project	Year
Mechanical	IC Auto	IMPROVE THE PERFORMANCE AND EMISSION CHARACTERISTICS OF FOUR STROKE SINGLE CYLINDER DIESEL ENGINE BY OXYGEN ENRICHMENT	2013
Mechanical	IC Auto	APPLICATION OF ARTIFICIAL NEURAL NETWORKS FOR THE PREDICTION OF PERFORMANCE AND EXHAUST EMISSIONS IN C.I. ENGINE USING TURPENTINE OIL-DIESEL BLENDS	2013
Mechanical	IC Auto	PERFORMANCE & EMISSION ANALYSIS OF 4 STROKE DIESEL ENGINE USING MAHUA BIODIESEL & ADDITIVE	2013
Mechanical	IC Auto	To Develop Hydraulic Hybrid System and Analysis the Performance of the System.	2013
Mechanical	IC Auto	PERFORMANCE & EXHAUST GAS ANALYSIS OF 4 STROKE 4 CYLINDER DIESEL ENGINE USING ETHANOL BLEND	2013
Mechanical	IC Auto	INDUSTRIAL SILENCER DESIGN	2013
Mechanical	IC Auto	IMPROVE THE SPEED OF LUNA SUPER VEHICLE BY USING SPECIAL TYPE DESIGNED CONTINUOUSLY VARIABLE TRANSMISSION SYSTEM (CVT).	2013
Mechanical	IC Auto	Emission Measurement and Modification in 3-Way Catalytic Converter using Alumina-Zirconium mixed Oxide on Piaggio Diesel Engine.	2013
Mechanical	IC Auto	ANALYSIS OF AUTOMOBILE RADIATOR	2013
Mechanical	IC Auto	CFD ANALYSIS OF IC ENGINE PROCESS	2013
Mechanical	IC Auto	FABRICATION, ADVANCEMENT AND EXPERIMENTAL EMISSION ANALYSIS BY ATTACHING THREE WAY CATALYTIC CONVERTER USING 4-STROKE TWO WHEELER.	2013
Mechanical	IC Auto	STABILITY ANALYSIS OF MOTORCYCLE BY VARYING THE STEERING GEOMETRY	2013
Mechanical	IC Auto	EFFECT & ANALYSIS OF PISTON COATING ON THE PERFORMANCE OF FOUR STROKE HIGH SPEED DIESEL ENGINE	2013
Mechanical	IC Auto	PERFORMANCE INVESTIGATION OF HYDRAULIC AND ELECTRONIC POWER STEERING SYSTEM OF FOUR STROKE CYLINDER PETROL SANTRO ENGINE	2013
Mechanical	IC Auto	EXPERIMENTAL STUDY ON BLENDING OF ETHANOL AND DIESEL WITH EGR SYSTEM	2013
Mechanical	IC Auto	PERFORMANCE & ANALYSIS OF THE DUAL FUEL TECHNOLOGY IN THE 4-S DIESEL ENGINE WITH BIO-GAS.	2013
Mechanical	IC Auto	INCREASE HEAT TRANSFER RATE OF AUTOMOBILE FINS BY VARYING BOUNDARY LAYER PARAMETERS.	2013
Mechanical	IC Auto	Design & Development of Hybrid bicycle for door to door newspaper delivery.	2013
Mechanical	IC Auto	EXPERIMENTAL AND NUMERICAL INVESTIGATION PARAMETRIC STUDY ON GASEOUS FUEL FLOW PARAMETER FLAME LENGTH AND FLAME DIA.	2013
Mechanical	IC Auto	THERMAL ANALYSIS AND DESIGN OPTIMIZATION OF I.C. ENGINE EXHAUST VALVE	2013
Mechanical	IC Auto	ANALYSIS OF BACKHOE LOADER CHASSIS FOR WEIGHT AND COST REDUCTION USING FINITE ELEMENT METHOD	2013
Mechanical	IC Auto	UTILIZATION OF WASTE HEAT FROM VARIOUS SOURCES IN HEAVY DUTY AUTOMOBILE USING LI-BR-H <sub>2</sub> O ABSORPTION SYSTEM.	2013
Mechanical	IC Auto	TECHNO FEASIBILITY OF THE COW URINE IN SINGLE CYLINDER DIESEL ENGINE FOR PERFORMANCE ENHANCEMENT	2013
Mechanical	IC Auto	EXPERIMENTAL INVESTIGATIONS ON DIRECT INJECTION HYDROGEN FUELLED ENGINE	2013
Mechanical	IC & Auto	IC& AUTOMOBILE EXPERIMENTAL DESIGN AND ANALYSIS OF SIX STROKE INTERNAL COMBUSTION ENGINE	2012
Mechanical	IC & Auto, Shock Absorber	STRESS ANALYSIS OF TOROIDAL CONTINUOUSLY VARIABLE TRANSMISSION SYSTEM	2012

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Industrial	Reduce Production Lead time of Fully Automatic Double Column Band-saw Machine at Multicut Machine Tools using Method Study Approach	2012
Mechanical	Industrial Engineering	Analyzing critical success factors for supply chain management in manufacturing industries through ISM methodology	2012
Mechanical	INDUSTRIAL ENGINEERING	REDUCING LEAD TIME IN MANUFACTURING OF SEAMLESS PIPE -FITTINGS	2013
Mechanical	INDUSTRIAL ENGINEERING	LEAD TIME REDUCTION IN MANUFACTURING OF AUTO COMPONENTS	2013
Mechanical	INDUSTRIAL ENGINEERING	CYCLE TIME REDUCTION FOR GEAR ASSEMBLY AND RECTIFY THE LOSSES	2013
Mechanical	INDUSTRIAL ENGINEERING	QUALITY AND PRODUCTIVITY IMPROVEMENTS IN FOUNDRY INDUSTRY	2013
Mechanical	INDUSTRIAL ENGINEERING	IMPROVING PRODUCTIVITY OF MANUFACTURING SOLDERING WIRE BY SIX SIGMA METHODOLOGY	2013
Mechanical	INDUSTRIAL ENGINEERING	IMPROVING PRODUCTIVITY OF HEADER SHOP AT THERMAX LTD. USING INDUSTRIAL ENGINEERI	2013
Mechanical	INDUSTRIAL ENGINEERING	IMPROVING QUALITY OF WASTE FUEL OIL RECYCLE FOR FURNACE OIL	2013
Mechanical	INDUSTRIAL ENGINEERING	DEVELOPMENT AND IMPLEMENTATION OF QUALITY MANAGEMENT SYSTEM IN VALVE MANUFACTURING COMPANY	2013
Mechanical	INDUSTRIAL ENGINEERING	IMPLEMENTATION OF SIX-SIGMA CONCEPT IN BEARING INDUSTRIES	2013
Mechanical	INDUSTRIAL ENGINEERING	AN INVESTIGATION INTO NEED AND IMPLEMENTATION OF TOTAL PRODUCTIVE MAINTENANCE (TPM) IN CEMENT INDUSTRY	2013
Mechanical	INDUSTRIAL ENGINEERING	TO REDUCE REJECTION/REWORK IN PRESSURE DIE CASTING MACHINE BY APPLICATION OF DMA	2013
Mechanical	INDUSTRIAL ENGINEERING	GAS CONSUMPTION REDUCTION IN A CERAMIC INDUSTRY THROUGH SIX SIGMA METHODOLOGY	2013
Mechanical	INDUSTRIAL ENGINEERING	MATERIAL FLOW COST ACCOUNTING (MFCA) AND ITS APPLICATION FOR MATERIAL WASTE REDUCTION AND ENVIRONMENTAL PERFORMANCE IMPROVEMENT	2013
Mechanical	INDUSTRIAL ENGINEERING	REDUCE THE DEFECTS IN PLASTIC PACKAGING BAG MAKING PROCESS USING DMAIC METHODOL	2013
Mechanical	INDUSTRIAL ENGINEERING	IMPROVEMENT IN OEE OF MACHINES IN GEAR SHOP THROUGH TPM METHODOLOGY	2013
Mechanical	INDUSTRIAL ENGINEERING	IMPROVING QUALITY OF PLASTIC INJECTION MOLDED PARTS THROUGH SIX SIGMA METHODOLO	2013

Main Branch	Theme/Area	Title of Project	Year
Mechanical	INDUSTRIAL ENGINEERING	CYCLE TIME REDUCTION OF ASSEMBLY AND MANUFACTURING OF GEAR	2013
Mechanical	INDUSTRIAL ENGINEERING	LEAD TIME REDUCTION IN MANUFACTURING OF PERSON MATERIAL HOIST	2013
Mechanical	INDUSTRIAL ENGINEERING	LEAD TIME REDUCTION IN MANUFACTURING OF WELDED PIPE -FITTINGS	2013
Mechanical	INDUSTRIAL ENGINEERING	SELECTION OF LEAN AND GREEN MANUFACTURING SYSTEM USING HYBRID MCDM TOOL	2013
Mechanical	INDUSTRIAL ENGINEERING	ANALYSIS AND OPTIMIZATION OF PLANT LAYOUT USING SYSTEMATIC LAYOUT PLANNING TECHNIQUE AND SIMULATE BY ARENA	2013
Mechanical	Internal Combustion Engine Exhaust Gas Measurement	FABRICATION AND PERFORMANCE IMPROVEMENTS OF EXHAUST GAS CALORIMETER WITH CFD ANALYSIS	2012
Mechanical	Kaizen	Productivity Enhancement through application of Kaizen in Power Build Ltd.	2012
Mechanical	kaizen and iso 9001-008	improving the work culture at HMW equipments by using kaizen and implementation of iso 9001-2008 at iti gorwa	2012
Mechanical	Lean Concept	Lean Kitting In High Variation Assembly Line	2012
Mechanical	Lean Manufacturing	Prioritization of Lean waste for different industrial sectors using MCDM	2012
Mechanical	Lean Manufacturing	implementation of lean manufacturing in indian milk dairy: a case study	2012
Mechanical	Lean Tools	AN APPLICATION OF LEAN MANUFACTURING TOOLS KAIZEN, SMED AND SINGLE PIECE FLOW FOR PRODUCTIVITY & PROFITABILITY IMPROVEMENT AT ROTOMAG	2012
Mechanical	Lean Tools	AN APPLICATION OF LEAN TOOLS IN MOTOR MANUFACTURING INDUSTRY	2012
Mechanical	Lean Tools	Productivity improvement through the application of Lean tools in Shah Paperplast Industries Ltd., Nadiad	2012
Mechanical	Machine Design	Performance Optimization and CFD Analysis of Centrifugal Impeller using Advanced CFD Tools	2012
Mechanical	Machine Design	Design and Development of Semi-Automated Colour Painting Machine.	2012
Mechanical	Machine Design	STRESS ANALYSIS AND OPTIMIZATION OF ROLLER ASSEMBLY, TURRET AND UPPER PLATE OF ROTARY TABLET PRESS MACHINE	2012
Mechanical	Machine Design	To Design and Development of Warp Yarn Beam Stocker	2012
Mechanical	Machine Design	ANALYSIS AND COMPARISON OF COMPOSITE DRIVE SHAFT WITH CONVENTIONAL STEEL DRIVE SHAFT	2012
Mechanical	Machine Design	Design And Analysis Of Cryogenic Strong Vessel	2012
Mechanical	Machine Design	To Design And Analysis Of 120 Tones Capacity Of Electrical Overhead Traveling Crane	2012

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Machine Design	Optimum nozzle location for minimization of stresses in Pressure Vessel	2012
Mechanical	Machine Design	Design Optimization Of paver Finisher Chassis Using Topology Optimization	2012
Mechanical	Machine Design	Design Optimization And Validation Through FE Analysis Of Parallel Notion Fender	2012
Mechanical	Machine Design	Design and Modification of Major Component of Hydraulic Press Machine	2012
Mechanical	Machine Design	Design and development of 6-cylinder diesel engine muffler to reduce back pressure and noise	2012
Mechanical	Machine Design	Performance analysis of 3-way catalytic converter for linear and swirl flow condition	2012
Mechanical	Machine Design	Performance analysis of steel leaf spring with composite leaf spring and fabrication of composite leaf spring	2012
Mechanical	Machine Design	EFFECT OF DESIGNED TOOL PIN PROFILE ON ALUMINUM ALLOY USING FSW FOR OPTIMUM RESULT BY FINDING OPTIMUM PARAMETERS	2012
Mechanical	Machine Design	INFLUENCE OF TOOL PIN'S DEPTH OF PENETRATION IN FSW ON ALUMINIUM ALLOY SHEET OVER JOINT PARAMETERS	2012
Mechanical	Machine Design	Using Taguchi and DOE method to determine the effect of input cutting parameters on geometric runout control for EN-24 material on CNC turning center	2012
Mechanical	Machine Design	CFD SIMULATION OF ELECTORRHEOLOGICAL FLUID JOURNAL BEARING	2012
Mechanical	Machine Design	Parametric study and design optimization of centrifugal pump impeller	2012
Mechanical	Machine Design	Experimental investigation on effect of shot peening parameters using Design of experiments	2012
Mechanical	Machine Design	energy loss due to mechanical vibration of rotating equipment	2012
Mechanical	Machine Design	Design and Analysis of Tractor Trolley Chassis	2012
Mechanical	Machine Design - Equipment Design / Analysis	IMPROVING THE PERFORMANCE OF AN I.C. ENGINE THROUGH REDESIGNING PISTON	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN OPTIMIZATION OF AIR DAM FOR LIFT REDUCTION OF A SALOON CAR USING EXPERIMENTAL SETUP IN WIND TUNNEL AND CFD ANALYSIS	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN OF GRIPPER IN UNIVERSAL TESTING MACHINE	2014
Mechanical	Machine Design - Equipment Design / Analysis	FEA ANALYSIS OF BASE FRAME FOR THE AMW TRUCK	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN OPTIMIZATION OF FLYWHEEL BY WEIGHT REDUCTION	2014

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Machine Design - Equipment Design / Analysis	MATERIAL AND COST OPTIMIZATION OF PISTON AND PISTON RINGS OF HEAVY DUTY VEHICLES USING FINITE ELEMENT ANALYSIS	2014
Mechanical	Machine Design - Equipment Design / Analysis	A SOLUTION FOR CRACK PROPOGATION ON C TYPE HYDRAULIC PRESS FRAME	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN OF SOLAR TRACKING SYSTEM	2014
Mechanical	Machine Design - Equipment Design / Analysis	FEM ANALYSIS OF SHEET-METAL DEEP DRAWING	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN AND MODIFICATION OF AUTOMATIC PLASTIC POUCH PACKING MACHINE	2014
Mechanical	Machine Design - Equipment Design / Analysis	FATIGUE ANALYSIS OF TUBE-SHEET	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN AND ANALYSIS OF DECANTER CENTRIFUGE ROTOR BY USING ANSYS	2014
Mechanical	Machine Design - Equipment Design / Analysis	IMPROVEMENT OF PERFORMANCE AND EFFICIENCY OF CENTRIFUGAL FANE BY ANALYSIS AND DEVELOPMENT OF DESIGN	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN AND FINITE ELEMENT ANALYSIS FOR MOVEBLE PLATE AND CLAMPING CYLINDER OF TOGGLE TYPE INJECTION MOULDING MACHINE	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN AND FABRICATION OF ROTATING AND PLANETARY MOTION ELECTRODE SETUP FOR LOW PRESSURE PECVD EXPERIMENTS	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN AND ANALYSIS FOR ARM OF REAPER AND BINDER MACHINE	2014
Mechanical	Machine Design - Equipment Design / Analysis	DEVELOPMENT OF AUTOMATIC FEEDING SYSTEM FOR TWIST DRILL POINT GRINDER	2014



Main Branch	Theme/Area	Title of Project	Year
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN AND ANALYSIS OF ENVELOP MACHINE FOR TYRE RETREADING PROCESS	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN & DEVELOPMENT OF HORIZONTAL FORGED ROLLING MACHINE	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN AND STRUCTURAL ANALYSIS OF CYLINDER & CYLINDER HEAD FOR PNEUMATICALLY DRIVEN TWO STROKE ENGINE	2014
Mechanical	Machine Design - Equipment Design / Analysis	NUMERICAL SIMULATION OF SINGLE POINT INCREMENTAL FORMING USING DIFFERENT DAMAGED MATERIAL MODELS AND ITS COMPARATIVE EVALUATIONS	2014
Mechanical	Machine Design - Equipment Design / Analysis	FAILURE ANALYSIS & MATERIAL OPTIMIZATION OF RATCHET AND PAUL MECHANISM	2014
Mechanical	Machine Design - Equipment Design / Analysis	AUTOMATIC COTTON SEED PLANTATION MACHINE	2014
Mechanical	Machine Design - Equipment Design / Analysis	ANALYSIS OF FAILURE IN MECHANICAL POWER-PRESS CRANKSHAFT	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN AND OPTIMIZATION OF THE GEARBOX OF DOUBLE DISC GRINDING MACHINE FOR THE HIKE IN THE EFFICIENCY	2014
Mechanical	Machine Design - Equipment Design / Analysis	SPUR GEAR DESIGN USING AXIOMATIC DESIGN APPROACH.	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN AND MANUFACTURING OF MULTIPURPOSE GEARBOX FOR REDUCING THE DOUBLING WITH ADDITION OF DOCTOR BLADE DRIVE IN MULTISTAGE PRINTING PRESS	2014
Mechanical	Machine Design - Equipment Design / Analysis	EXPERIMENTAL INVESTIGATIONS OF THE BEHAVIOUR OF SINGLE LAP JOINT MADE OF MULTI-LAYER ADHESIVE.	2014
Mechanical	Machine Design - Equipment Design / Analysis	CRACK PROPAGATION ANALYSIS UNDER MIXED MODE LOADING CONDITION IN PMMA USING EXPERIMENTAL & XFEM APPROACHES	2014

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Machine Design - Equipment Design / Analysis	DEVELOPMENT OF BLANK, CONSIDERING BENDING ALLOWANCE, FOR FORMING OF A HEMISPHERICAL DISH END.	2014
Mechanical	Machine Design - Equipment Design / Analysis	ANALYSIS OF STRESSES INDUCED DUE TO MISALIGNMENTS IN A PLANETARY GEARBOX	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN OF A DIAPHRAM SPRING FOR CLUTCH OF HEAVY VEHICLES	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN OF COIL SUPPORT SYSTEM SUBJECTED TO THERMO-MECHANICAL VARIABLE LOADS IN A FILTER-DRYER	2014
Mechanical	Machine Design - Equipment Design / Analysis	ANALYSIS AND MODIFICATION OF FIXTURE FOR COVERS OF 395 AND 400 TWIN CLUTCHES	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN OF ROTOR FOR WIPE FILM EVAPORATOR	2014
Mechanical	Machine Design - Equipment Design / Analysis	COMMUNITY POWER FROM HYDROPOWER SYSTEM	2014
Mechanical	Machine Design - Equipment Design / Analysis	STUDY AND ANALYSIS OF THERMAL RATCHETING PHENOMENA IN CRYO-COOLER.	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN AND STATIC STRUCTURAL ANALYSIS OF PRESSURE VESSEL	2014
Mechanical	Machine Design - Equipment Design / Analysis	STRESS TRANSFER THROUGH INTERFACE IN FIBER REINFORCED COMPOSITE USING FEM.	2014
Mechanical	Machine Design - Equipment Design / Analysis	THERMO-MECHANICAL STRESS ANALYSIS OF A SINGLE LAP JOINT MADE OF MULTI LAYER ADHESIVE USING FEM.	2014
Mechanical	Machine Design - Equipment Design / Analysis	FAULT FINDING & MODIFICATION OF AGITATOR ASSEMBLY FOR INK MIXING	2014

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Machine Design - Equipment Design / Analysis	REDESIGNING XC16 HELICAL GEAR BOX CASING	2014
Mechanical	Machine Design - Equipment Design / Analysis	ESTIMATION OF BASE METAL AND WELD METAL YIELD VARIATION FOR IMPROVEMENT IN COKE DRUM FATIGUE LIFE	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN AND ANALYSIS OF SKIRT TO DISH END JOINT OF PRESSURE VESSEL	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN , ANALYSIS AND OPTIMIZATION OF CRANE HOOK	2014
Mechanical	Machine Design - Equipment Design / Analysis	MODIFICATION AND OPTIMIZATION OF STUDY BENCH USING FINITE ELEMENT ANALYSIS	2014
Mechanical	Machine Design - Equipment Design / Analysis	STRESS ANALYSIS AND OPTIMIZATION OF CHASSIS IN TATA TURBO TRUCK SE 1613	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN AND DEVELOPMENT OF FLEXIBLE THERMAL STRAPS FOR SPACE APPLICATIONS	2014
Mechanical	Machine Design - Equipment Design / Analysis	STATIC AND DYNAMIC ANALYSIS OF PRESSURE VESSEL WITH VERTICAL ORIENTATION USING PVELITE	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN OF SKID STEER TILT MECHANISM & ERGONOMICS STUDY OF CABIN	2014
Mechanical	Machine Design - Equipment Design / Analysis	STRENGTH AND RIGIDITY ANALYSIS OF HEAVY COMMERCIAL VEHICLE CHASSIS FOR DIFFERENT FRAME CROSS SECTION BY ANALYTICALLY AND FEA UNDER STATIC AND DYNAMIC LOAD	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN AND DEVELOPMENT OF REMOTE HANDLING GRIPPER FOR HANDLING AND MANIPULATION IN FUSION FACILITIES	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN, ANALYSIS AND PERFORMANCE OF CASCADE CONNECTION OF STORAGE TANK OF CNG VEHICLE	2014

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN OF HIGH PRESSURE HYDRAULIC SYSTEM FOR UNIAXIAL COMPRESSION	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN AND ANALYSIS OF SHEET METAL BENDING PUNCH AND PREDICTION OF ITS FAILURE	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN AND ANALYSIS OF SUGAR MILL PLANETARY GEAR BOX UNIT	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN AND DEVELOPMENT OF WALK AND ROLL ROVER FOR BOTH SPACE AND EARTH	2014
Mechanical	Machine Design - Equipment Design / Analysis	ANALYSIS AND MEASUREMENT OF LOBE PUMP	2014
Mechanical	Machine Design - Equipment Design / Analysis	STRESS ANALYSIS AND MATERIAL OPTIMIZATION OF MASTER LEAF SPRING	2014
Mechanical	Machine Design - Equipment Design / Analysis	INVESTIGATION AND MODIFICATION IN THE MANUFACTURING PROCESS OF VITRIFIED TILES	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN ANALYSIS AND OPTIMIZATION OF HYDRAULIC PRESS MACHINE	2014
Mechanical	Machine Design - Equipment Design / Analysis	MODELING AND ANALYSIS OF HYDRAULIC CYLINDER	2014
Mechanical	Machine Design - Equipment Design / Analysis	OPTIMIZATION OF STIFFENER GEOMETRY AND LOACTION ON SWING JAW PLATE IN JAW CRUSHER MACHINE	2014
Mechanical	Machine Design - Equipment Design / Analysis	ANALYSIS OF CORE COMPONENT OF CNC ENGRAVING MACHINE	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN AND ANALYSIS OF FRAME STRUCTURE OF PCB DRILLING MACHINE	2014

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN MODIFICATION AND ANALYSIS OF SEMI OPEN CENTRIFUGAL PUMP IMPELLER	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN FOR MANUFACTURING AND ASSEMBLY ANALYSIS	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN MODIFICATIONS IN CUTTING DIE	2014
Mechanical	Machine Design - Equipment Design / Analysis	FAILURE ANALYSIS OF UPPER BEAM OF HYDRAULIC PRESS BREAK	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN AND DEVELOPMENT OF MECHANISM FOR SPACE BORNE LARGE SIZE ANTENNA STRUCTURE	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN AND ANALYSIS OF HYDRAULIC EQUIPRESSURE ROLLER FOR SQUEEZING PURPOSE	2014
Mechanical	Machine Design - Equipment Design / Analysis	IMPROVE STRENGTH TO WEIGHT RATIO OF A FOUR TON TRANSFORMER BODY	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN ANALYSIS AND PERFORMANCE INVESTIGATION OF CONCRETE BATCHING PLANT	2014
Mechanical	Machine Design - Equipment Design / Analysis	JOINT USED FOR FABRICATION OF PRESSURE VESSEL CONSIDERING DESIGN ASPECT WITH OPERATING CONDITIONS	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN AND ANALYSIS OF DIESEL ENGINE FOR PERFORMANCE IMPROVEMENT COSIDERING COMBINED EFFECT OF SPARAY ANGLE AND COMBUSTION CHAMBER GEOMETRY	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN AND ANALYSIS OF GEAR DRIVE TO RUN THE CENTRIFUGAL PUMP	2014
Mechanical	Machine Design - Equipment Design / Analysis	FEM INVESTIGATION FOR STRESS STRAIN STATE OF INTERNAL TIN NB3SN STRANDS ANDSUB CABLES FOR SST-1CS	2014

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN AND ANALYSIS OF HIGH REDUCTION RATIO AND LOW BACKLASH JOINT OF REMOTE HANDLING SYSTEM	2014
Mechanical	Machine Design - Equipment Design / Analysis	DESIGN AND DEVELOPMENT OF DEFORMABLE MIRROR FOR SPACEBORNE OPTICAL SYSTEM	2014
Mechanical	Machine Design - Equipment Design / Analysis	OPTIMIZATION OF BLOWER SPEED	2014
Mechanical	Machine Design - Kinematics and Dynamics	DESIGN & ANALYSIS OF PRE INSERTION RESISTOR SWITCH MECHANISM TO OPTIMIZE MECHANICAL INSERTION TIME.	2014
Mechanical	Machine Design - Kinematics and Dynamics	DEVELOPMENT OF ALGORITHM TO FIND WORK VOLUME, SINGULARITY AND OPTIMUM CONTROL ACTION FOR AUTONOMOUS EXCAVATOR	2014
Mechanical	Machine Design - Kinematics and Dynamics	HELICAL SPRING DESIGN OPTIMIZATION USING ADVANCED MULTI OBJECTIVE DECISION MAKING METHOD.	2014
Mechanical	Machine Design - Kinematics and Dynamics	DESIGN EVALUATION OF WORM GEAR USING GRAPH THEORY AND MATRIX APPROACH.	2014
Mechanical	Machine Design - Kinematics and Dynamics	CONSTRAINT, VELOCITY AND FORCE ANALYSIS OF 3-RRR MANIPULATOR USING SCREW THEORY	2014
Mechanical	Machine Design - Kinematics and Dynamics	LOWER EXTREMITY DYNAMIC ANALYSIS USING MULTIBODY APPROACH	2014
Mechanical	Machine Design - Kinematics and Dynamics	MATHEMATICAL MODELING OF HIGH SPEED ROTATING DISK OF HYPERBOLIC PROFILE CONSIDERING THERMO-MECHANICAL LOADING.	2014
Mechanical	Machine Design - Kinematics and Dynamics	INTEGRATED POSITIONING AND LOCKING SYSTEM FOR OPTO-MECHANICAL ALIGNMENT OF IDDCA OF DHA-IIRS, CHANDRAYAN-2	2014
Mechanical	Machine Design - Kinematics and Dynamics	STATICS ANALYSIS OF GEAR BOX AND ITS VALIDATION	2014

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Machine Design - Kinematics and Dynamics	KINEMATIC DESIGN FOR ROLL AND WALK ROVER	2014
Mechanical	Machine Design - Mechanics	MATHEMATICAL MODELING FOR MEASURING SURFACE TRACTION ALONG CRACK TIP DAMAGE ZONE FOR DIFFERENT MATERIALS.	2014
Mechanical	Machine Design - Mechanics	: AN ANALYTIC MODELING OF SPRINGBACK FOR BENDING BIMETALLIC SHEET MATERIAL CONSIDERING CHANGE IN YOUNG'S MODULUS	2014
Mechanical	Machine Design - Mechanics	STUDY OF FRICTION AND WEAR AT CONTACT SURFACE OF CAMSHAFT AND TAPPET OF A PUSH ROD TYPE VALVE TRAIN.	2014
Mechanical	Machine Design - Mechanics	LAB SCALE PRODUCTION OF LITHIUM TITANATE CERAMIC PEBBLES	2014
Mechanical	Machine Design - Mechanics	FRACTURE ANALYSIS OF SS304-STEEL THROUGH THE COMBINATION OF ESSENTIAL WORK OF FRACTURE AND COHESIVE ZONE MODEL APPROACH.	2014
Mechanical	Machine Design - Mechanics	SIMULATION OF BIRD STRIKE PHENOMENON ON A JET ENGINE BLADE	2014
Mechanical	Machine Design - Vibrations	FREE VIBRATION ANALYSIS OF LAMINATED COMPOSITE BEAM WITH VARIOUS BOUNDARY CONDITIONS	2014
Mechanical	Machine Design - Vibrations	MATHEMATICAL MODEL FOR PREDICTING THE DEFORMATIONS OF CONICAL SECTION ROTATING DISK.	2014
Mechanical	Machine Design - Vibrations	EXPERIMENTAL INVESTIGATION OF DAMPING STRUCTURES WITH WELDED JOINTS	2014
Mechanical	Machine Design - Vibrations	Modeling of Hydropneumatic suspension system to Optimize the dynamic characteristics	2014
Mechanical	Machine Design - Vibrations	VIBRATION ANALYSIS OF CYLINDRICAL ROLLER BEARING HAVING A LOCAL DEFECT THROUGH FINITE ELEMENT ANALYSIS AND ITS VALIDATION THROUGH EXPERIMENTATION	2014
Mechanical	Machine Design - Vibrations	CHATTER IMPROVEMENT IN HARD TURNING BY USING DIFFERENT SHIM MATERIAL	2014
Mechanical	Machine Design - Vibrations	TMD FLEXURES OPTIMIZATION FOR REDUCING STRESSES UNDER VIBRATION LOAD AND DESIGN OF TUNNABLE OPTICAL MOUNTS FOR SPACE APPLICATION	2014
Mechanical	Machine Design - Vibrations	NUMERICAL INVESTIGATION OF COMPOSITE MATERIAL USING MESSLESS METHOD	2014
Mechanical	Machine Design - Vibrations	ACTIVE VIBRATION CONTROL OF A SPACEBORNE SUBSYSTEM	2014
Mechanical	Machine Vision	Image Retrieval System	2012
Mechanical	MAG Welding	OPTIMIZATION OF WELD BEAD GEOMETRY IN METAL ACTIVE GAS (MAG) WELDING PROCESS USING TAGUCHI TECHNIQUE	2012



Main Branch	Theme/Area	Title of Project	Year
Mechanical	Manufacturing & Management	Dynamic analysis of Helical gear	2012
Mechanical	Manufacturing & Management	Modeling Barriers of Green Supply Chain Management through Comparision of Analytical process and Interpretive Modeling Methodology	2012
Mechanical	Manufacturing & Management	Information Sharing Inablers in Supply Chain Management by McDM methods	2012
Mechanical	Manufacturing & Management	Status of Lean Six sigma in Indian IndustriesApplication of DMAIC tool for Validation of Online Sand control Syatem : A Case Study	2012
Mechanical	Manufacturing	Enhancement of metal removal rate in EDM	2012
Mechanical	Manufacturing	Experimental investigation of cutting force in drilling of Al/Al <sub>2</sub> O <sub>3</sub> -Gr hybrid metal matrix composite	2012
Mechanical	Manufacturing	Parametric study and fuzzy modelling for EDM of INCONEL 625	2012
Mechanical	Manufacturing	Fatigue analysis of crack growth rate in Metallic plate by FEM	2012
Mechanical	Manufacturing - CAD / CAM	EVALUATING THE EFFECT OF MACHINING CONDITIONS ON THE CHIP CROSS SECTION DURING DRY MACHINING OF TITANIUM ALLOY(TI6AL4V)	2013
Mechanical	Manufacturing - CAD / CAM	INVESTIGATION OF MATERIAL REMOVAL CHARACTERISTICS IN EDM OF NON-CONDUCTIVE CERAMIC	2014
Mechanical	Manufacturing - CAD / CAM	APPLICATION OF SIMULATION TECHNIQUES TO MINIMIZE SHRINKAGE DEFFECT IN GREY CAST IRON IMPELLER	2014
Mechanical	Manufacturing - CAD / CAM	INVESTIGATION ON SHEARING ACTION BY SHEARING BLADE	2014
Mechanical	Manufacturing - CAD / CAM	OPTIMIZATION AND ANALYSIS OF SLANT BED	2014
Mechanical	Manufacturing - CAD / CAM	TWIN TYPE CONVEYOR LAYS WRAPPING NITROGEN AIR INSPECTION SYSTEM	2014
Mechanical	Manufacturing - CAD / CAM	NOVEL DESIGN AND MANUFACTURING TECHNIQUES FOR SPACE CRAFT SUB SYSTEM	2014
Mechanical	Manufacturing - CAD / CAM	OPTIMIZATION OF MACHINING TIME ESTIMATION USING FEATURE BASED TECHNOLOGIES	2014
Mechanical	Manufacturing - CAD / CAM	DESIGN AND SIMULATION OF AUTOMATIC TILES UNLOADING MECHANISM	2014
Mechanical	Manufacturing - CAD / CAM	DESIGN & DEVELOPMENT OF AUTOMATIC FEEDING MECHANISAM OF BARING IN CNC TURING CENTER DX 100	2014
Mechanical	Manufacturing - CAD / CAM	EXPERIMENTAL INVESTIGATION AND PARAMETER OPTIMIZATON BY DOE OF PMMA	2014
Mechanical	Manufacturing - CAD / CAM	DEVELOPMENT OF USER FRIENDLY PARAMETRIC PROGRAM TO GENERATE COMPLEX GEOMETRIES ON CNC MACHINES	2014

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Manufacturing - CAD / CAM	EFFECT OF PRESSURE AND TEMPERATURE VARIATIONS ON MECHANICAL STRENGTH OF THE NATURAL FIBER COMPOSITES	2014
Mechanical	Manufacturing - CAD / CAM	EFFECT ON FRICTION AND WEAR RATE WITH VARYING VOLUME FRACTION ON CORNHUSKS COMPOSITE	2014
Mechanical	Manufacturing - CAD / CAM	MULTIOBJECTIVE OPTIMIZATION OF FRICTION STIR WELDING PROCESS PARAMETER FOR JOINING MMC USING TAGUCHI GREY RELATIONAL ANALYSIS	2014
Mechanical	Manufacturing - CAD / CAM	OPTIMIZATION OF LABORATORY CENTRIFUGE ROTOR USING SIMULATION TOOLS TO IMPROVE PERFORMANCE & PRODUCTIVITY	2014
Mechanical	Manufacturing - CAD / CAM	DESIGN, MODELING AND STRESS ANALYSIS OF HELICAL GEAR ACCORDING TO BENDING AND CONTACT STRENGTH	2014
Mechanical	Manufacturing - CAD / CAM	ANALYSIS AND OPTIMIZATION OF SPIRAL WHEEL RIM FOR FOUR WHEELER	2014
Mechanical	Manufacturing - CAD / CAM	QUADRATIC BEZIER SURFACE MACHINING BY VARYING TOOL PATH TO FIND MINIMUM MACHINIG TIME	2014
Mechanical	Manufacturing - CAD / CAM	PROCESS OPTIMIZATION OF DRILLING ON COMPOSITE MATERIALS	2014
Mechanical	Manufacturing - CAD / CAM	DRILL PARAMETER OPTIMIZATION FOR SURFACE ROUGHNESS,CIRCULARITY	2014
Mechanical	Manufacturing - CAD / CAM	PROCESS OPTIMIZATION OF LASER CLADDING THECHNIQUE	2014
Mechanical	Manufacturing - CAD / CAM	MULTI-OBJECTIVE OPTIMIZATION OF PARAMETER OF TURNING BY APPLYING GREY RELATIONAL ANALYSIS	2014
Mechanical	Manufacturing - CAD / CAM	MODIFICATION IN DESIGN OF UNBALANCING CARGO SHIP	2014
Mechanical	Manufacturing - CAD / CAM	MODELING AND FEA ANALYSIS OF BALL VALVE	2014
Mechanical	Manufacturing - CAD / CAM	EXPERIMENTAL INVESTIGATION OF THERMALLY ENHANCED MACHINING OF DIFFICULT-TO-MACHINE MATERIAL	2014
Mechanical	Manufacturing - CAD / CAM	IMPLEMENTATION OF MIST ELIMINATOR IN H.D.P.E SCRUBBER	2014
Mechanical	Manufacturing - CAD / CAM	DESIGN AND OPTIMIZATION FOR WRINKLE OF DEEP DRAWING CUP	2014
Mechanical	Manufacturing - CAD / CAM	DESIGN OF AERODYNAMIC DEVICES FOR PERFORMANCE OPTIMIZATION OF PROTOTYPE FORMULA RACE CAR	2014
Mechanical	Manufacturing - CAD / CAM	INVESTIGATION ON CENTRIFUGAL PUMP FOR PERFORMANCE IMPROVEMENT	2014

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Manufacturing - CAD / CAM	DEVELOPMENT OF SOLID STATE CLADDING PROCESS; FRICTION STIR SURFACING	2014
Mechanical	Manufacturing - CAD / CAM	KINEMATIC ANALYSIS OF CABLE DRIVEN PARALLEL ROBOTS	2014
Mechanical	Manufacturing - CAD / CAM	IMPLEMENTATION OF VARIENT SLICING ON FUSED DEPOSITION MODELLING(FDM) MACHINE	2014
Mechanical	Manufacturing - CAD / CAM	DEVELOPMENT OF INTERFACING CIRCUIT TO FETCH MACHINE DATA AND SEND IT TO GSM (BY WIRELESS OFFBOARD COMMUNICATION SYSTEM)	2014
Mechanical	Manufacturing - CAD / CAM	A CAPABILITY ENHANCEMENT THROUGH SPM DURING CUTTING	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	INVESTIGATING THE METAL DEPOSITION RATE BY SUBMERGED ARC WELDING	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	OPTIMIZATION OF GATING SYSTEM DESIGN FOR METAL CASTING	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	DEVELOPMENT OF PLASMA + TIG PROCESS FOR WELDING OF SA240 TYPE 201LN MATERIAL	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	PARAMETRIC ANALYSIS OF MG-SIC PRMMC USING DESIGN OF EXPERIMENT	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	INVESTIGATING THE EFFECT OF SIZE OF TOOL & WELDING PARAMETERS ON FRICTION STIR WELDED JOINT OF MG-ALLOY ( AZ31D) PLATES.	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	EXPERIMENTAL INVESTIGATION ON ROTARY FRICTION WELDING OF ALUMINIUM ALLOY AND STAINLESS STEEL	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	ANALYSIS OF CASTING DEFECT	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	ANALYSIS OF SHRINKAGE POROSITY IN SHELL MOULD CASTING	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	PARAMETER OPTIMIZATION OF TIG WELDING	2014

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Manufacturing - Casting, Metal Joining, Forming	OPTIMIZATION OF PROCESS PARAMETERS OF SINGLE POINT INCREMENTAL FORMING	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	EVALUATION OF HEAT FLOW PARAMETERS FOR SS304 IN RESISTANCE SPOT WELDING (RSW)	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	COMPARATIVE STUDY OF GREEN SAND CASTING AND NO BAKE CASTING	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	SIMULATION OF SWIVEL HOUSING CASTING FOR DEFECT MINIMIZATION	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	STUDY AND ANALYSIS OF CONNECTING ROD TO IMPROVE QUALITY	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	OPTIMIZATION OF PROCESS PARAMETERS ON TIG WELDING OF DISSIMILAR METALS STAINLESS STEEL – 304 & CARBON STEEL SA 515	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	EFFECT OF VIBRATION ON ARC WELDING USING MILD STEEL IN MARIN PARTS APPLICATION	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	ANALYSIS OF PROCESS PARAMETERS OF OPEN DIE BEARING RACE FORGING	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	OPTIMIZATION OF DESIGN FOR GATING SYSTEM TO MINIMIZE REJECTION RATE OF A RAM	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	EXPERIMENTAL STUDIES ON ACTIVATED TUNGSTEN INERT GAS ( A-TIG) WELDING.	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	SPRINGBACK BEHAVIOUR IN SHEET METAL AIR BENDING PROCESS	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	ANALYSIS OF METAL FLOW BEHAVIOUR IN FSW FOR DISSIMILAR METALS (CU-SS)	2014

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Manufacturing - Casting, Metal Joining, Forming	EXPERIMENTAL ANALYSIS OF FRICTION STIR WELDING USING DIFFERENT GEOMETRY OF TOOL PIN PROFILE FOR MULTI PASS WELD.	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	PARAMETRIC STUDY OF STRAIGHT LINE LASER FORMING USING OPTIC FIBER LASER.	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	OPTIMIZATION AND SIMULATION OF CAST IRON CASTING FOR DEFECT MINIMIZATION USING D.O.E AND CASTING SIMULATION TOOL WITH ITS EXPERIMENTAL VALIDATION.	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	EXPERIMENTAL AND NUMERICAL ANALYSIS OF ALLOY STEEL USING INCREMENTAL SHEET FORMING (ISF)	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	EXPERIMENTAL INVESTIGATION OF PROCESS PARAMETER IN PLASMA ARC CUTTING OF SS410.	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	NUMERICAL SIMULATION OF SHEET METAL FORMING PROCESS	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	AN INVESTIGATION OF MICROSTRUCTURE, TENSILE STRENGTH AND HARDNESS OF TIG WELDED JOINTS	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	ANALYSIS OF AL-19000 IN SINGLE POINT INCREMENTAL FORMING PROCESS	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	EXPERIMENTAL INVESTIGATION FOR MECHANICAL PROPERTIES OF AMMC MANUFACTURED BY CENTRIFUGAL CASTING PROCESS	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	PERFORMANCE OF CHILLS USE IN CASTING	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	INVESTIGATION OF GTAW USING ARGON-HELIUM SHIELDING GAS MIXTURE BY GENETIC ALGORITHM ON SDSS MATERIAL	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	EFFECT OF PROCESS PARAMETERS ON DISSIMILAR METALS DURING FRICTION STIR WELDING PROCESS	2014

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Manufacturing - Casting, Metal Joining, Forming	EFFECT OF PARAMETRIC OPTIMIZATION OF TIG WELDING USING RESPONSE SURFACE METHODOLOGY	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	PARAMATRIC OPTIMIZATION OF FRICTION STIR WELDING USING TAGUCHI METHOD	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	PERFORMANCE OF ACTIVATED FLUX ASSISTED TIG PROCESS BY ANN ON SS316 MATERIAL	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	EVALUATION OF THE METAL INERT GAS WELDING PROCESS USING ACTIVATED FLUX ON SS308 BY ANN	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	THE INFLUENCE OF COPPER ELEMENT ON MECHANICAL PROPERTIES OF SPHERODIAL GRAPHITE CAST IRON	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	PARAMETRIC OPTIMIZATION OF SHRINKAGE FOR USING VARIOUS WAX MATERIAL DURING INVESTMENT CASTING THROUGH APPLYING FULL FACTORIAL DESIGN	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	EXPERIMENTAL EVALUATION OF INFLUENCE OF WELDING PARAMETERS ON THE FATIGUE BEHAVIOURS OF FRICTION STIR WELDS OF ALLUMINIUM ALLOYS	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	OPTIMIZATION OF PROCESS PARAMETERS ON SAW WITH AISI 1018 MATERIAL	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	AN INVESTIGATION OF JOINING OF DISSIMILAR ALLUMINIUM ALLOYS AND STEEL THROUGH LASER WELDING BY APPLICATION OF REGRESSION ANALYSIS	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	AN INVESTIGATION OF SHRINKAGE RATE ON ABS, PP AND LD MATERIAL THROUGH INJECTION MOULDING BY USING REGRESSION ANALYSIS	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	JOINING OF DISSIMILAR MATERIALS USING LASER WELDING	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	ANALYSIS AND OPTIMIZATION OF MICRO-STRUCTURES AND MECHANICAL STRENGTH OF FSW JOINT	2014

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Manufacturing - Casting, Metal Joining, Forming	THERMAL ANALYSIS OF WELDING OF S.S. PIPE	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	INVESTIGATION OF DIFFERENT PARAMETERS IN SUPERPLASTIC FORMING PROCESS	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	PARAMETRIC ANALYSIS OF ULTRASONIC WELDING	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	INFLUENCE OF SHOULDER GEOMETRY AND PROCESS PARAMETERS ON FRICTION STIR WELDING	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	EXPERIMENTAL INVESTIGATION OF PIPE BENDING METHODS	2014
Mechanical	Manufacturing - Casting, Metal Joining, Forming	DILIGENCE OF DIFFERENT FLUX FOR STRENGTH ,HARDNESS AND WEAR IN MIG WELDING	2014
Mechanical	Manufacturing - Industrial	STUDY OF DIFFERENT REINFORCED COMPOSITE MATERIAL FOR AUTOMOBILE COMPONENTS	2014
Mechanical	Manufacturing - Industrial	IMPLEMENTATION OF LEAN MANUFACTURING PRACTICE IN AUTOMOBILE INDUSTRY	2014
Mechanical	Manufacturing - Industrial	IMPLEMENTATION AND APPLICATION OF LEAN SIX SIGMA FOR PROCESS IMPROVEMENT IN AUTOMOBILE COMPONENT INDUSTRY	2014
Mechanical	Manufacturing - Industrial	PREVENTIVE MAINTENANCE MANAGEMENT PLANNING AND CONTROL	2014
Mechanical	Manufacturing - Industrial	OPTIMIZATION OF COST AND PRODUCTIVITY THROUGH OEE METHOD IN SUBMERSIBLE PUMP MANUFACTURING UNIT	2014
Mechanical	Manufacturing - Industrial	REDUCTION CYCLE TIME IN TRANSFORMAER MANUFACTURING INDUSTRY	2014
Mechanical	Manufacturing - Industrial	ENHANCE THE PRODUCTION OF PUMP PLANT FOR V4 AND V6 MODEL WITH SPM AND INVENTORY CONTROL METHOD	2014
Mechanical	Manufacturing - Industrial	SCENARIO OF TQM IN INDIAN INDUSTRY	2014
Mechanical	Manufacturing - Industrial	MECHANICAL CHARACTERIZATION OF NATURAL FIBER HYBRID COMPOSITES	2014



Main Branch	Theme/Area	Title of Project	Year
Mechanical	Manufacturing - Industrial	RANKING OF DRIVERS FOR INTEGRATED LEAN-GREEN MANUFACTURING IMPLEMENTATION IN SMES USING FUZZY TOPSIS	2014
Mechanical	Manufacturing - Industrial	ANALYSING CRITICAL BARRIERS FOR SUPPLY CHAIN MANAGEMENT IN MANUFACTURING INDUSTRY	2014
Mechanical	Manufacturing - Industrial	A CASE STUDY ON BULLWHIP EFFECT OF SUPPLY CHAIN MANAGEMENT IN MANUFACTURING INDUSTRY	2014
Mechanical	Manufacturing - Industrial	COMPARATIVE ANALYSIS OF SAND AND DIE CASTING PROCESS OF ENCLOSURE	2014
Mechanical	Manufacturing - Industrial	REDUCING REJECTIONS AT SMALL SCALE MACHINING UNIT BY APPLICATION OF 7 QC TOOLS	2014
Mechanical	Manufacturing - Industrial	WASTE REDUCTION IN SUGAR MILL	2014
Mechanical	Manufacturing - Industrial	REDUCING LEAD TIME AND IMPROVING QUALITY THROUGH LEAN SIX SIGMA CONCEPT AT SMALL SCALE FABRICATION UNIT	2014
Mechanical	Manufacturing - Industrial	REDUCTION IN YIELD LOSSES AND PRODUCTIVITY IMPROVEMENT AT CASTING INDUSTRY THROUGH LEAN SIX SIGMA METHODOLOGY	2014
Mechanical	Manufacturing - Industrial	QUALITY AND PRODUCTIVITY IMPROVEMENT AT SMALL SCALE FOUNDRY INDUSTRY	2014
Mechanical	Manufacturing - Industrial	REDUCING CASTING DEFECTS AND IMPROVING PRODUCTIVITY IN A SMALL SCALE FOUNDRY	2014
Mechanical	Manufacturing - Industrial	REDUCTION OF CASTING DEFECTS THROUGH SIX SIGMA METHODOLOGY	2014
Mechanical	Manufacturing - Industrial	IMPROVEMENT IN OEE OF TUBE BENDING STATION IN PANEL SHOP	2014
Mechanical	Manufacturing - Industrial	REDUCING FAILURE AT HV TESTING OF INSULATOR USING SIX SIGMA METHODOLOGY	2014
Mechanical	Manufacturing - Industrial	ERGONOMIC AUDIT AT GENERAL ENGINEERING UNIT	2014
Mechanical	Manufacturing - Industrial	COST REDUCTION IN INVENTORY OF LARGE SCALE FOOD INDUSTRY	2014
Mechanical	Manufacturing - Industrial	INTEGRATION OF QUALITY FUNCTION DEPLOYMENT (QFD) AND ERGONOMICS PRINCIPLES IN PRODUCT DESIGN IMPROVEMENT - CASE STUDY: STUDENT DESK AT ENGINEERING COLLEGE	2014
Mechanical	Manufacturing - Industrial	PRODUCTIVITY IMPROVEMENT IN SUGAR MILL	2014
Mechanical	Manufacturing - Industrial	REDUCING MANUFACTURING CYCLE TIME OF MILK TANKS BY WORK STUDY TECHNIQUES	2014

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Manufacturing - Industrial	PRODUCTIVITY IMPROVEMENT BY INDUSTRIAL ENGINEERING TECHNIQUES IN MEDIUM SIZE MOTOR MANUFACTURING UNIT	2014
Mechanical	Manufacturing - Industrial	PROCESS LOSS REDUCTION IN ALUMINUM DIE-CASTING	2014
Mechanical	Manufacturing - Industrial	INVENTORY MANAGEMENT IN TRANSFORMER MANUFACTURING INDUSTRY	2014
Mechanical	Manufacturing - Industrial	REDUCING CYCLE TIME AND IMPROVING PRODUCTIVITY IN A MACHINERY MANUFACTURING UNIT	2014
Mechanical	Manufacturing - Machining / Machine Tools	DESIGN OF SEMI AUTOMATIC MACHINE FOR APPLICATION AND MECHANICAL FINISHING OF STAINLESS STEEL IN FOOD & PHARMACEUTICAL INDUSTRIES FOR MANUFACTURING OF TANKS.	2014
Mechanical	Manufacturing - Machining / Machine Tools	DESIGN OF CVT FOR LATHE TO ACHIEVE VARIABLE SPEED RATIO	2014
Mechanical	Manufacturing - Machining / Machine Tools	DESIGN A MACHINING FIXTURE FOR MULTIPLE GEARBOX HOUSING IN SAME SETUP	2014
Mechanical	Manufacturing - Machining / Machine Tools	EXPERIMENTAL INVESTIGATION FOR COMPARATIVE STUDY OF PERFORMANCE OF DIFFERENT CUTTING TOOL INSERTS FOR CUTTING FORCE, SURFACE ROUGHNESS & MATERIAL REMOVAL RATE ON HIGH CHROME STEEL	2014
Mechanical	Manufacturing - Machining / Machine Tools	EXPERIMENTAL EVALUTION OF DIE SINKING EDM PARAMETERS ON MATERIAL REMOVAL RATE, SURFACE QUALITY AND ELECTRODE WEAR RATE OF HARD MATERIAL	2014
Mechanical	Manufacturing - Machining / Machine Tools	OPTIMIZATION OF POWER CONSUMPTION, MRR , SURFACE ROUGHNESS FOR A VMC USING MULTI OBJECTIVE OPTIMIZATION TECHNIQUE	2014
Mechanical	Manufacturing - Machining / Machine Tools	MULTIOBJECTIVE OPTIMIZATION OF PROCESS PARAMETER OF ABRASIVE WATER JET MACHINING FOR LOWER SURFACE ROUGHNESS & HIGHER MATERIAL REMOVAL RATE OF GLASS FIBER REINFORCED POLYMER	2014
Mechanical	Manufacturing - Machining / Machine Tools	EXPERIMENTAL STUDY AND PARAMETRIC OPTIMIZATION OF ULTRA SONIC MACHINE.	2014
Mechanical	Manufacturing - Machining / Machine Tools	PARAMETRIC OPTIMIZATION OF FUSED DEPOSITION MODELLING (FDM) MACHINE.	2014

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Mechanical	Manufacturing - Machining / Machine Tools	MECHANICAL CHARACTERIZATION OF POLYMER MATRIX COMPOSITE	2014
Mechanical	Manufacturing - Machining / Machine Tools	PARAMETRIC INVESTIGATION AND OPTIMIZATION FOR PLASMA ARC CUTTING OF FERROUS ALLOY	2014
Mechanical	Manufacturing - Machining / Machine Tools	DESIGN, ANALYSIS AND MATERIAL OPTIMIZATION OF HIGH SPEED HELICAL GEAR BY CHANGING DESIGN PARAMETERS BY USING FEA APPROACH	2014
Mechanical	Manufacturing - Machining / Machine Tools	DESIGN AND DEVELOPMENT OF ROTARY MECHANISM AND STUDY SURFACE ROUGHNESS AND MRR IN EDM	2014
Mechanical	Manufacturing - Machining / Machine Tools	PARAMETRIC OPTIMIZATION OF GRINDING OPERATION FOR THE HIGH QUALITY OF SURFACE FINISH	2014
Mechanical	Manufacturing - Machining / Machine Tools	PARAMETRIC STUDY OF EDM MACHINING ON MONEL K 500	2014
Mechanical	Manufacturing - Machining / Machine Tools	OPTIMIZATION OF MATERIAL REMOVAL RATE, SURFACE ROUGHNESS AND CUTTING TOOL FLANK WEAR IN TURNING USING EXPANDED TAGUCHI APPROACH	2014
Mechanical	Manufacturing - Machining / Machine Tools	EXPERIMENTATIONS ON DEEP HOLE DRILLING BY EDM	2014
Mechanical	Manufacturing - Machining / Machine Tools	ANALYSIS OF ELECTRICAL DISCHARGE MACHINING PROCESS PARAMETERS ON ALUMINIUM MMC MATERIAL	2014
Mechanical	Manufacturing - Machining / Machine Tools	IMPROVING CONTOURING ACCURACY WITH MATCHED AXIAL DYNAMICS	2014
Mechanical	Manufacturing - Machining / Machine Tools	AN EXPERIMENTAL INVESTIGATION AND PARAMETRIC STUDY OF WATER JET CUTTING PROCESS	2014
Mechanical	Manufacturing - Machining / Machine Tools	PARAMETRIC OPTIMIZATION OF LASER CUTTING PROCESS USING RESPONSE SURFACE METHODOLOGY ON HEAT AFFECTED ZONE AND SURFACE ROUGHNESS	2014

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Manufacturing - Machining / Machine Tools	TO OPTIMIZE THE PROCESS PARAMETERS OF WIRE CUT EDM (WEDM) MACHINE	2014
Mechanical	Manufacturing - Machining / Machine Tools	DEVELOPMENT OF MATHEMATICAL MODEL FOR TOOL WEAR RATE USING RESPONSE SURFACE METHODOLOGY	2014
Mechanical	Manufacturing - Machining / Machine Tools	OPTIMIZATION OF MACHINING FOR HASTEALLOY276	2014
Mechanical	Manufacturing - Machining / Machine Tools	MODELING THE EFFECT OF SURFACE TEXTURE PARAMETERS CREATED ON CUTTING TOOLS ON THE MACHINABILITY OF TITANIUM ALLOY (TI6AL4V)	2014
Mechanical	Manufacturing - Machining / Machine Tools	PROCESS PARAMETER OPTIMIZATION FOR RAW MATERIAL CONSUMPTION AND DRY FILM THICKNESS IN FLAME SPRAY COATING ON EXTRUDER SCREW	2014
Mechanical	Manufacturing - Machining / Machine Tools	PARAMETRIC OPTIMIZATION OF CO2 LASER MACHINING ON ACRYLIC	2014
Mechanical	Manufacturing - Machining / Machine Tools	OPTIMIZATION OF PROCESS PARAMETERS IN THE CASE OF MILLING OF STAINLESS STEEL	2014
Mechanical	Manufacturing - Machining / Machine Tools	EXPERIMENTAL INVESTIGATION TO MEASURE THE EFFECT OF PARAMETER ON DIFFERENT THICKNESS OF GFRP IN DRILLING APPLICATION	2014
Mechanical	Manufacturing - Machining / Machine Tools	EXPERIMENTAL INVESTIGATION OF BALL BURNISHING PROCESS USING THERMAL SPRAY TECHNIQUE	2014
Mechanical	Manufacturing - Machining / Machine Tools	MULTI RESPONSE OPTIMIZATION FOR MACHINING OF DUPLEX STAINLESS STEEL	2014
Mechanical	Manufacturing - Machining / Machine Tools	PARAMETRIC OPTIMIZATION OF WIRE CUT EDM ON AISI4041 MATERIAL THROUGH FULL FACTORIAL DESIGN.	2014
Mechanical	Manufacturing - Machining / Machine Tools	FABRICATION AND EXPERIMENTAL ANALYSIS OF KEVLAR COMPOSITE BY USING ABRASIVE WATER JET MACHINING PROCESS.	2014

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Mechanical	Manufacturing - Machining / Machine Tools	A COMPARATIVE ANALYSIS OF THE EFFECT OF HEAT AND TURNING PROCESS PARAMETERS ON MATERIAL.	2014
Mechanical	Manufacturing - Machining / Machine Tools	EXPERIMENTAL AND ANALYTICAL INVESTIGATION OF PROCESS PARAMETERS OF FIBER LASER ON CUTTING QUALITY OF STAINLESS STEEL.	2014
Mechanical	Manufacturing - Machining / Machine Tools	OPTIMIATION OF MATERIAL REMOVAL RATE DURING TURNING OF INCONEL 718 MATERIAL IN LATHE USING RESPONSE SURFACE METHODOLOGY	2014
Mechanical	Manufacturing - Machining / Machine Tools	OPTIMIZATION OF MACHINING PARAMETERS FOR ULTRASONIC VIBRATION ASSISTED TURNING OF HARD MATERIAL	2014
Mechanical	Manufacturing - Machining / Machine Tools	EXPERIMENTAL AND ANALYTICAL INVESTIGATION OF MECHANICAL PROPERTIES OF HYBRID COMPOSITE	2014
Mechanical	Manufacturing - Machining / Machine Tools	EXPERIMENTAL AND ANALYTICAL INVESTIGATION OF WEAR CHARACTERISTICS OF COMPOSITES.	2014
Mechanical	Manufacturing - Machining / Machine Tools	OPTIMIZATION FOR DIMENSIONAL DEVIATION BY USING WIRE CUT EDM OF TITANIUM ALLOY	2014
Mechanical	Manufacturing - Machining / Machine Tools	EXPERIMENTAL INVESTIGATION OF HEAT AFFECTED ZONE IN WORK PIECE DURING DRY WIRE ELECTRIC DISCHARGE MACHINING	2014
Mechanical	Manufacturing - Machining / Machine Tools	PARAMETRIC ANALYSIS AND MULTI OBJECTIVE OPTIMIZATION OF PROCESS PARAMETERS OF AISI(4130) IN TURNING PROCESS	2014
Mechanical	Manufacturing - Machining / Machine Tools	PARAMETRIC OPTIMIZATION OF EN- 19 BY BURNISHING PROCESS	2014
Mechanical	Manufacturing - Machining / Machine Tools	PARAMETRIC ANALYSIS AND OPTIMIZATION OF PROCESS PARAMETERS OF LASER CUTTING PROCESS FOR SS304	2014
Mechanical	Manufacturing - Machining / Machine Tools	INVESTIGATION OF HEAT AFFECTED ZONE AND CIRCULARITY ON LASER CUTTING USING REGRESSION ANALYSIS	2014

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Mechanical	Manufacturing - Machining / Machine Tools	EVALUTION OF MATERIAL REMOVAL RATE USING DIFFERENT SHAPE OF ROTATING TOOL IN ELECTRO CHEMICAL MACHINE	2014
Mechanical	Manufacturing - Machining / Machine Tools	AN INVESTIGATION OF SURFACE ROUGHNESS, MATERIAL REMOVAL RATE AND KERF WIDTH ON ABRASIVE WATER JET MACHINING.	2014
Mechanical	Manufacturing - Machining / Machine Tools	INVESTIGATION THE INFLUENCE OF PROCESS PARAMETER AND SELECTION OF OPTIMAL PROCESS PARAMETER IN WEDM WHILE MACHINING METAL MATRIX COMPOSITE	2014
Mechanical	Manufacturing - Machining / Machine Tools	PARAMETRIC OPTIMIZATION OF WIRE CUT EDM ON 17.4 AEROSPACE MATERIAL BY TAGUCHI METHOD	2014
Mechanical	Manufacturing - Machining / Machine Tools	PARAMATRIC OPTIMIZATION OF ROLLER BURNISHING FOR SURFACE ROUGHNESS AND SURFACE HARDNESS THROUGH APPLYING FULL FACTORIAL DESIGN	2014
Mechanical	Manufacturing - Machining / Machine Tools	EXPERIMENTAL INVESTIGATION DURING WIRE CUT ELECTRICAL DISCHARGE MACHINING OF METAL MATRIX COMPOSITE	2014
Mechanical	Manufacturing - Machining / Machine Tools	EXPERIMENTAL STUDY ON EFFECT OF MACHINE PARAMETER ON SURFACE ROUGHNESS USING DOE IN DRILLING OF INCONEL 625	2014
Mechanical	Manufacturing - Machining / Machine Tools	ANALYSIS OF WEAR RESISTANCE OF PLASMA SPRAY COATING ON AISI 1014 MILD SUBSTRATE	2014
Mechanical	Manufacturing - Machining / Machine Tools	COMPARISION OF TOOL WEAR STUDY BASED ON DRILLING EXPERIMENT ON A HIGH DEPTH BRASS AND ALUMINIUM MATERIAL	2014
Mechanical	Manufacturing - Machining / Machine Tools	EXPERIMENTAL INVESTIGATION OF SURFACE ROUGHNESS AND MATERIAL REMOVAL RATE IN PLASMA ARC CUTTING PROCESS FOR LOW CARBON STEEL	2014
Mechanical	Manufacturing - Machining / Machine Tools	INVESTIGATION OF DIMENSION ACCURACY AND MECHANICAL STRENGTH OF PART MADE BY METAL RAPID PROTOTYPING	2014
Mechanical	Manufacturing - Machining / Machine Tools	PARAMETRIC OPTIMIZATION OF CNC WIRE CUT EDM ON MILD STEEL	2014

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Manufacturing - Machining / Machine Tools	FRictional AND WEAR ANALYSIS OF HIGH SPEED STEEL AMS 6491(M50) MICRO COATED WITH CARBON COMPOSITE COATING	2014
Mechanical	Manufacturing - Machining / Machine Tools	PARAMETRIC OPTIMIZATION OF SURFACE ROUGHNESS AND PENETRATION DURING WATER JET CUTTING	2014
Mechanical	Manufacturing - Machining / Machine Tools	PARAMETRIC OPTIMIZATION OF LASER ENGRAVING PERFORMANCE USING FIBER LASER ON SS MATERIAL	2014
Mechanical	Manufacturing - Machining / Machine Tools	PARAMETRIC OPTIMIZATION OF WIRE CUT EDM ON TOOL STEEL ASP 2023 THROUGH REGRESSION ANALYSIS	2014
Mechanical	Manufacturing - Machining / Machine Tools	PARAMETRIC OPTIMIZATION ON GRINDING MACHINE USING TAGUCHI METHOD	2014
Mechanical	Manufacturing - Machining / Machine Tools	PARAMETRIC OPTIMIZATION OF SUPER DUPLEX STAINLESS STEEL AND TITANIUM ALLOY USING FIBER LASER CUTTING	2014
Mechanical	Manufacturing - Machining / Machine Tools	DEVELOPMENT OF EXPERIMENTAL SETUP AND EXPERIMENTAL INVESTIGATION IN SHEET METAL HYDRO FORMING	2014
Mechanical	Manufacturing - Machining / Machine Tools	STUDY OF EFFECT OF PROCESS VARIABLES ON THE PERFORMANCE PARAMETERS OF AWJM	2014
Mechanical	Manufacturing - Machining / Machine Tools	PARAMETRIC ANALYSIS OF WIRE CUT EDM	2014
Mechanical	Manufacturing - Machining / Machine Tools	EXPERIMENTAL INVESTIGATION OF RESPONSE OF COMPOSITE MATERIAL IN CNC MACHINING USING DESIGN METHOD	2014
Mechanical	Material Sci./Metallurgy	Experimental Evaluation of Effect on Tool Hardness on Surface Roughness for AISI D2 Steel	2012
Mechanical	Material Sci./Metallurgy	EVALUATION OF THERMAL PROPERTY OF REFRACTORY BRICKS BY CHANGING MATERIAL COMPOSITION	2013
Mechanical	Material Sci./Metallurgy	EXPERIMENTAL ANALYSIS OF EFFECTS OF HIGH VELOCITY OXY-FUEL COATING ON COPPER	2013



Main Branch	Theme/Area	Title of Project	Year
Mechanical	Material Sci./Metallurgy	EXPERIMENTAL TESTING OF EFFECTS OF PHYSICAL VAPOUR DEPOSITION COATING ON ALUMINIUM	2013
Mechanical	Material Sci./Metallurgy	PARAMETRIC ANALYSIS OF COMPOSITE USING ULTRASONIC WELDING	2013
Mechanical	Material Sci./Metallurgy	MECHANICAL CHARACTERIZATION OF HYBRID COMPOSITE MATERIAL	2013
Mechanical	Material Sci./Metallurgy	DEFECTS ANALYSIS AND CONTROL ON STEEL METAL LOST WAX CASTING PROCESS.	2013
Mechanical	Material Science	Effect of Al <sub>2</sub> O <sub>3</sub> -Gr on the tensile behavior of Aluminium metal matrix composite at elevated temperature	2012
Mechanical	Material Science	INVESTIGATION ON THE PERFORMANCE OF DETONATION GUN SPRAYED COATINGS ON BOILER STEELS IN EROSIIVE ENVIRONMENT	2014
Mechanical	Material Science	EVALUATION OF SOLID PARTICLE EROSION BEHAVIOUR OF HVOF SPRAYED NICKEL ALUMINIDE COATINGS	2014
Mechanical	Material Science	ALTERNATE MATERIAL OF LATHE BED	2014
Mechanical	Material Science	EFFECT OF THERMAL EXPOSURE ON THE MECHANICAL AND WEAR PROPERTIES OF AEROSPACE AL ALLOYS	2014
Mechanical	Material Science	MEASUREMENT OF MECHANICAL AND WEAR PROPERTIES OF NITRIDED EN9	2014
Mechanical	CAD/CAM	Function generation using double arm manipulator	2012
Mechanical	CAD/CAM	Stress analysis and mass optimization of epicyclic gearbox housing	2012
Mechanical	CAD/CAM	Optimization of journal bearing using bearing surface texture	2012
Mechanical	CAD/CAM	Computer Aided Design and Manufacturing Analysis of a Diaphragm Valve	2012
Mechanical	CAD/CAM	EXPERIMENTAL INVESTIGATION OF FRICTION STIR WELDING PROCESS FOR DISSIMILAR MATERIALS	2012
Mechanical	CAD/CAM	ANALYSIS OF STRESSES INDUCED IN GEARS OF AN EPICYCLIC GEARTRAIN USING FINITE ELEMENT METHOD	2012
Mechanical	CAD/CAM	Design and development of automated mechanism for shot peening of gears	2012
Mechanical	CAD/CAM	Development of swinging bucket mechanism in blasting chamber of shot blasting machine	2012
Mechanical	CAD/CAM	REDUCTION OF SHRINKAGE DEFECT IN VALVE BODY CASTING USING SIMULATION WITH EXPERIMENTAL IMPLEMENTATION	2012
Mechanical	Mechatronics/Robotics	DESIGN AND DEVELOPMENT OF MANUALLY OPERATED PNEUMATIC ROBOT	2013
Mechanical	Mechatronics/Robotics	ANALYSIS OF TEMPERATURE MEASUREMENT DURING HARD TURNING OPERATION	2013
Mechanical	Mechatronics/Robotics	ELECTRO DISCHARGE MACHINING	2013
Mechanical	Mechatronics/Robotics	EFFECT OF WELDING PARAMETERS ON WELDABILITY	2013
Mechanical	Mechatronics/Robotics	SWARM ROBOTICS AND SWARM INTELLIGENCE	2013
Mechanical	Mechatronics/Robotics	BEARING DEFECT DETECTION	2013

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Mechatronics/Robotics	CLOSED LOOP MULTIPLE INPUT OUTPUT CONTROL SYSTEM USING PIEZOACTUATORS FOR FORCE AND POSITION CONTROL AND LOADCELLS AS FEEDBACK DEVICE	2013
Mechanical	Mechatronics/Robotics	Automized sys. Design(setup) for pick & place of M/C components of CNC-LATHE.	2013
Mechanical	Method Study,Work Measurement	To increase Productivity by applying method study and work measurement in Drum shop at Thermax Limited	2012
Mechanical	Heat Exchanger	MODELING , ANALYSIS AND SIMULATION OF SHELL AND TUBE HEAT EXCHANGER WITH NANO FLUID AT THERMAL POWER STATION UKAI USING CFD	2012
Mechanical	Nano structure hard coatings	A FINITE ELEMENT ANALYSIS AND MICROSTRUCTURAL CHARACTERIZATION OF TiAIN HARD COATINGS ON AUSTENITIC STAINLESS STEEL SUBSTRATE	2012
Mechanical	Non Conventional Machining	OPTIMIZATION OF PROCESS PARAMETERS OF ULTRASONIC MACHINING PROCESS BY GREY RELATIONAL ANALYSIS	2012
Mechanical	Refrigeration	THERMODYNAMICALLY EVOLUTION OF LPG REFRIGERATOR	2012
Mechanical	Optimisation	Experimental Investigation of effects of cutting parameters by varying cutting paths of face milling	2012
Mechanical	Optimisation of Process Parameters in TIG Welding	Parametric Optimization of Tungsten Inert Gas (TIG) Welding By Using ANOVA ON S.S. 310	2012
Mechanical	Optimisation-Lathe Machine	PARAMETRIC OPTIMIZATION OF SURFACE ROUGHNESS & MATERIAL REMOVE RATE (MRR) OF AISI D2 STEEL USING TURNING	2012
Mechanical	Optimization	optimization of induction length and floe rates of cng in diesele engine	2012
Mechanical	Optmization of process parameter using Taguchi technique	Optimization of Different Performance Parameters On CNC Turning Centre By Investigating Effects Of Various Process Parameters For IS:2062 Material Using Taguchi Technique	2012
Mechanical	Parametric Optimization-CNC Router	Parametric Optimization of CNC ROUTER for composite material of Acrylic resin and Aluminium TriHydrate	2012
Mechanical	Performonce	The effect of the superchargine on performance and exhust gas of diesel engine fulled of pyrolysis oil from waste tyre and diesel blend	2012
Mechanical	Performonce	PERFORMANCE AND EMISSION OF SINGLE CYLINDER DIESEL ENGINE BY VARYING FUEL INJECTION PRESSURE AND FUEL NOZZLE.	2012
Mechanical	Performonce	EXPERIMENTAL STUDIES ON PERFORMANCE AND NOX EMISSION CONTROL ON DIESEL ENGINE USING AIR AND ARGON GAS MIXTURE	2012
Mechanical	Piping design	Piping design and analysis	2012

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Piston Design	Design of engine piston for direct injection diesel engine to increase the combustion efficiency and reducing NOx and SOx	2012
Mechanical	Production	Optimization of Fused deposition modeling process parameter for better Dimensional accuracy	2012
Mechanical	production	PARAMETRIC OPTIMIZATION OF SUBMERGED ARC WELDING ON STAINLESS STEEL-304	2012
Mechanical	production	EXPERIMENTAL INVESTIGATION OF TWIN SCREW EXTRUDER (TSE) MACHINE FOR POLYVINYL CHLORIDE(PVC) POLYMER MATERIAL	2012
Mechanical	production	OPTIMIZATION OF MACHINING PARAMETERS FOR SURFACE ROUGHNESS AND MATERIAL REMOVAL RATE IN CNC END MILLING PROCESS	2012
Mechanical	production	OPTIMIZATION OF PROCESS PARAMETERS FOR IMPROVING PERFORMANCE IN ELECTRICAL DISCHARGE MACHINING	2012
Mechanical	PRODUCTION	EXPERIMENTAL AND STATISTICAL ANALYSIS OF PVD AND CVD COATED CUTTING TOOLS BASED ON SURFACE ROUGHNESS AND TOOL WEAR IN END MILLING OF EN 8	2012
Mechanical	production	EFFECT OF PROCESS PARAMETERS ON SURFACE ROUGHNESS & SURFACE HARDNESS IN ROLLER BURNISHING PROCESS	2012
Mechanical	PRODUCTION		2012
Mechanical	PRODUCTION	Optimization of gating system and Minimization of casting defects in Investment casting using casting simulation.	2013
Mechanical	PRODUCTION	MODELLING OF PROCESS PARAMETER FOR TURNING OPERATION ON CNC LATHE FOR ASTM A242 TYPE-2 ALLOY STEEL	2013
Mechanical	PRODUCTION	AN INVESTIGATION OF TEMPERATURE SURFACE ROUGHNESS AND MATERIAL REMOVAL RATE HARD TURNING OF EN 19 MATERIAL	2013
Mechanical	PRODUCTION	EXPERIMENTAL INVESTIGATION OF THE SHEET METAL COMPONENT USING LASER CUTTING TECHNOLOGY	2013
Mechanical	PRODUCTION	PARAMETRIC ANALYSIS AND MULTY OBJECTIVE OPTIMIZATION OF PROCESS PARAMETER OF TURNING OF AISI (X) WITH PVD & CVD CUTTING TOOL	2013
Mechanical	PRODUCTION	PARAMETRIC OPTIMIZATION OF WIRE ELECTRIC DISCHARGE MACHINE PROCESS	2013
Mechanical	PRODUCTION	PARAMETRIC ANALYSIS OF ABS MATERIAL MADE BY FUSED DEPOSITION METHOD USING GREY RELATIONAL ANALYSIS METHOD	2013
Mechanical	PRODUCTION	EFFECT OF PROCESS PARAMETER ON MECHANICAL AND METALLURGICAL PROPERTIES OF ALUMINIUM WELD JOINTS USING GMAW PROCESS	2013
Mechanical	PRODUCTION	EFFECT OF PROCESS PARAMETER ON MRR OF TITANIUM ALLOY FOR MINIMUM LEVEL OF SURFACE ROUGHNESS ON VERTICAL MACHINING CENTER	2013
Mechanical	PRODUCTION	SIMULATION FOR FRICTION STIR WELDING BETWEEN S.S PLATE AND ALUMINIUM PIPE	2013
Mechanical	PRODUCTION	OPTIMIZATION OF PROCESS PARAMETER FOR SURFACE ROUGHNESS AND MATERIAL REMOVAL RATE IN TURNING OPERATION	2013

Main Branch	Theme/Area	Title of Project	Year
Mechanical	PRODUCTION	PARAMERIC OPTIMIZATION FOR SURFACE ROUGHNESS AND MATERIAL REMOVAL RATE BY USING CNC END MILLING [PROCESS FOR MATERIAL S S 410	2013
Mechanical	PRODUCTION	ANALYSIS OF PROCESS PARAMETER OF RESISTANCE SPOT WELDING BY DESIGN OF EXPERIMENT	2013
Mechanical	PRODUCTION	PRODUCTIVITY IMPROVEMENT BY IMPLEMENTING AUTOMATION IN MANUFACTURING OF A GRINDING WHEEL	2013
Mechanical	PRODUCTION	LAYOUT DESIGN FOR WASTE MINIMIZATION IN STAMPING OPERATION	2013
Mechanical	PRODUCTION	EXPERIMENTAL ANALYSIS ON ABRASIVE WATER JET MACHINING	2013
Mechanical	PRODUCTION	FRICTION STIR WELDING AND LASER BEAM WELDING OF DISSIMILAR METALS, ALUMINIUM-STEEL USING DESIGN OF EXPERIMENTS	2013
Mechanical	PRODUCTION	ANALYSIS OF MECHANICAL PROPERTIES OF HARD COATED STEEL	2013
Mechanical	PRODUCTION	BY USING EXTENDED TAGUCHI METHOD TO OPTIMIZE THE PROCESSS PARAMETERS FOR SURFACE ROUGHNESSS AND MRR IN TURNING FOR S S 630	2013
Mechanical	PRODUCTION	PARAMETRIC OPTIMIZATION ON FDM MACHINE (RAPID PROTOTYPING)	2013
Mechanical	PRODUCTION	INCREASE PRODUCTIVITY AND IMPROVE QUALITY IN HDPE PIPE EXTRUSION MACHINE	2013
Mechanical	PRODUCTION	DETERMINATION OF OPTIMUM BATCH SIZE FOR DIFFERENT MANUFACTURING ENVIRONMENTS	2013
Mechanical	PRODUCTION	PREDICTION AND OPTIMIZATION OF END MILLING PROCESS PARAMETERS	2013
Mechanical	PRODUCTION	EXPERIMENTAL ANALYSIS ON ADVANCED LASER MACHINING	2013
Mechanical	PRODUCTION	AN EXPERIMENTAL INVESTIGATION OF THE EFFECT OF TOOL PROFILE CHANGE ON MICRO STRUCTURE, SURFACE ROUGHNESS AND MATERIAL REMOVAL RATE IN DIE SINKING ELECTRIC DISCHARGE MACHINE (EDM) USING DESIGN OF EXPERIMENT (DOE) METHOD	2013
Mechanical	PRODUCTION	EFFECT OF PROCESS PARAMETER ON SURFACE ROUGHNESS AND MRR FOR MACHINING HARDENED STEEL USING ADVANCE TOOL MATERIAL	2013
Mechanical	PRODUCTION	ASSESSMET OF DEPOSITION RATE IN MIG WELDING	2013
Mechanical	PRODUCTION	LEAN MANUFACTURING IMPLEMENTATION IN MANUFACTURING SYSTEM	2013
Mechanical	PRODUCTION	EXPERIMENTAL INVESTIGATION AND ANALYSIS OF FRICTION-STIR WELDING ON SIMILAR MATERIAL	2013
Mechanical	PRODUCTION	IMPROVING DIMENSIONAL ACCURACY OF SELECTIVE LASER SINTERING PART USING SURFACE RESPONSE METHODOLOGY	2013
Mechanical	PRODUCTION	OPTIMIZATION OF ADVANCED MANUFACURING PROCESS	2013
Mechanical	PRODUCTION	PARAMETRIC ANALYSIS AND PERFORMANCE EVALUATION OF CARBIDE INSERT(COATED/UNCOATED) FOR TITANIUM ALLOY.	2013
Mechanical	PRODUCTION	An Application of LEAN SIX SIGMA Methodology for Increasing the Yarn Quality in Textile Industry	2013
Mechanical	PRODUCTION	INVESTIGATION OF GAS TUNGSTAN ARC WELDING BY USING ACTIVATED FLUX	2013
Mechanical	PRODUCTION	EXPERIMENTAL INVESTIGATION ON FRICTION STIR WELDING FOR POLYPROPYLENE SHEETS	2013
Mechanical	PRODUCTION	DEVELOPMENT OF ALLUMINIUM-SILICATE CARBIDE COMPOSITE MATERIAL BY POWDER METALLURGY ROUTE AND MACHINING ON EDM	2013
Mechanical	PRODUCTION	EXPERIMENTAL INVESTIGATION OF SURFACE ROUGHNESS FOR DIFFERENT CUTTING PARAMETER IN CNC TURNING PROCESS	2013

Main Branch	Theme/Area	Title of Project	Year
Mechanical	PRODUCTION	PARAMETRIC ANALYSIS OF WIRE CUT EDM THROUGH TAGUCHI ROBUST DESIGN METHOD	2013
Mechanical	PRODUCTION	EFFECT OF PREHEATING ON 6061 T6 ALUMINIUM USING FRICTION STIR WELDING BY RESPONSE SURFACE METHODOLOGY	2013
Mechanical	PRODUCTION	PARAMETRIC INVESTIGATION ON THE EFFECTS OF ROUGHNESS, KERF WIDTH AND MATERIAL REMOVAL RATE IN CO2 LASER CUTTING MACHINE	2013
Mechanical	PRODUCTION	OPTIMIZATION OF PROCESS PARAMETERS OF SURFACE ROUGHNESS AND MATERIAL REMOVAL RATE FOR SS431 MATERIAL DURING TURNING OPERATION	2013
Mechanical	PRODUCTION	PARAMETRIC PERFORMANCE ANALYSIS OF BLOWN FILM EXTRUSION PLANT	2013
Mechanical	PRODUCTION	INVESTIGATION OF MACHINING PARAMETERS ON MILLING MACHINE USING RESPONSE SURFACE METHODOLOGY	2013
Mechanical	PRODUCTION	OPTIMIZATION OF LASER ENGRAVING AND ITS PROCESS PARAMETER ON SS316	2013
Mechanical	PRODUCTION	AN ANALYSIS AND OPTIMIZATION OF MECHANICAL PROPERTIES TO PROLONGED SERVICE LIFE OF HORIZONTAL AXIS WIND TURBINE BLADE	2013
Mechanical	PRODUCTION	OPTIMIZATION OF PROCESS PARAMETERS FOR ULTRASONIC WIRE ELECTRICAL DISCHARGE MACHINING OF METAL MATRIX COMPOSITES USING GENETIC METHOD	2013
Mechanical	PRODUCTION	OPTIMIZATION OF PROCESS PARAMETERS IN ELECTRO CHEMICAL MACHINING BY USING ROTORY U SHAPED TOOL	2013
Mechanical	PRODUCTION	AN EXPERIMENTAL INVESTIGATION OF METALLURGICAL PROPERTIES OF THERMALLY COATED STAINLESS STEEL	2013
Mechanical	PRODUCTION	Design of quality improvement system framework for ceramic tile manufacturing	2013
Mechanical	PRODUCTION	OPTIMIZATION PROCESS PARAMETER FOR DRY WIRE ELECTRICAL DISCHARGE MACHINING OF METAL MATRIX COMPOSITES USING TAGUCHI METHOD	2013
Mechanical	PRODUCTION	EVALUATION & ENHANCEMENT IN PERFORMANCE OF PRODUCT RECOVERY SYSTEM FOR TABLETS USING VENTURI NOZZLE	2013
Mechanical	PRODUCTION	INFLUENCE OF PROCESS PARAMETERS AND PREHEATING ON MECHANICAL PROPERTIES ON AA6061-T6 WELDED BY FSW	2013
Mechanical	PRODUCTION	PARAMETRIC OPTIMIZATION OF WELDING USING GENETIC ALGORITHM	2013
Mechanical	PRODUCTION	EXPERIMENTAL INVESTIGATION OF PERFORMANCE CHARACTERISTICS FOR POWDER MIXED ELECTRIC DISCHARGE MACHINING OF TUNGSTEN CARBIDE	2013
Mechanical	PRODUCTION	AN EXPERIMENTAL INVESTIGATION ON EFFECT OF PROCESS PARAMETERS OF WIRE ELECTRICAL DISCHARGE MACHINING (WEDM) ON COMPOSITE MATERIAL USING DIFFERENT WIRE ELECTRODES	2013
Mechanical	PRODUCTION	WEAR BEHAVIOUR OF BRONZE ON WEAR AND FRICTION MONITOR MACHINE	2013
Mechanical	PRODUCTION	EXPERIMENTAL INVESTIGATION EFFECT ON SAW USING RESPONSE SURFACE METHOD	2013
Mechanical	PRODUCTION	PROCESS PARAMETER EFFECT OF RESISTANCE SPOT WELDING ON WELD QUALITY	2013
Mechanical	PRODUCTION	Productivity improvement by motion and time study most technique	2013
Mechanical	PRODUCTION	PARAMETRIC OPTIMIZATION OF PLASMA ARC CUTTING PROCESS	2013
Mechanical	PRODUCTION	INVESTIGATION OF STIR CASTING OF COPPER MATRIX COMPOSITE	2013
Mechanical	PRODUCTION	STUDY OF TOOL WEAR ANALYSIS IN CNC TURNING PROCESS	2013
Mechanical	PRODUCTION	EXPERIMENTAL ANALYSIS OF MOTION OF PARTICLES ON SLIDING CONVEYOR	2013

Main Branch	Theme/Area	Title of Project	Year
Mechanical	PRODUCTION	EXPERIMENTAL INVESTIGATION FOR QUALITY IMPROVEMENT OF BEARING USING SIX SIGMA-DMAIC METHODOLOGY	2013
Mechanical	Production Engg.	optimization of the co2 laser cutting process parameters by experimental analysis	2012
Mechanical	Production Engg.	EFFECT OF WELDING PARAMETERS ON WELD STRENGTH IN ULTRASONIC WELDING	2012
Mechanical	Production Engg.	Parametric Optimization of Gas Metal Arc Welding Process Using Activated Flux On SS304 By Taguchi Method	2012
Mechanical	Production (Casting Process)	Experimental Investigation on The Performance of Coconut Oil Based Nano fluid As Lubricants During Turning of AISI 304 Austenitic Stainless Steel.	2012
Mechanical	Project Management	Application of Critical Chain Scheduling Method to Ship-to-Shore Crane Making Project at Anupam-MHI Industries Limited.	2012
Mechanical	Refrigeration	REROFITTING OF 500 TR VCR SYSTEM OF R11 BY R123 AND COMPARE WITH VCR SYSTEM OF NH3	2012
Mechanical	Refrigeration and Air Conditioning	COMPARATIVE EVALUATION OF AN AUTOMOBILE AIR CONDITIONING SYSTEM USING R134a AND ITS ALTERNATIVE REFRIGERANTS	2012
Mechanical	Refrigeration and Air Conditioning	DESIGN AND PERFORMANCE ANALYSIS OF CHILLING PLANT	2013
Mechanical	Refrigeration and Air Conditioning	CFD ANALYSIS OF CONDENSING HEAT TRANSFER THROUGH MINICHANNEL	2013
Mechanical	Refrigeration and Air Conditioning	EXERGY ANALYSIS OF WINDOW AIR CONDITIONING SYSTEM	2013
Mechanical	Refrigeration and Air Conditioning	THERMODYNAMIC CYCLE ANALYSIS OF MAGNETIC REFRIGERATION.	2013
Mechanical	Refrigeration and Air Conditioning	EFFECT OF WORKING GAS STACK MATERIAL ON PERFORMACE OF THERMOACAUSTIC REFRIGERATION.	2013
Mechanical	Refrigeration and Air Conditioning	EVALUATION OF REFRIGERANT TO REPLACE R-134A IN DOMESTIC REFRIGERATOR FOR GLOBAL WARMING MITIGATION	2013
Mechanical	Refrigeration and Air Conditioning	EXPERIMENTAL ANALYSIS OF SPLIT AIR CONDITIONER USING REFRIGERENT R290 AS A SUBSTITUE FOR R22	2013
Mechanical	Refrigeration and Air Conditioning	ENERGY PERFORMANCE OF AN INDIRECT EVAPORATIVE COOLING SYSTEM USING M-CYCLE	2013
Mechanical	Refrigeration and Air Conditioning	EXPERIMENTAL EVALUTION OF DOMESTIC REFRIGERATION USING PURE HYDROCARBONS AND BLENDS OF HYDROCARBONS AS REFRGERANTS	2013
Mechanical	Refrigeration and Air Conditioning	COMPARATIVE ANALYSIS OF CASCADE REFRIGERATIONSYSTEM	2013
Mechanical	Refrigeration and Air Conditioning	COMPARASION OF REFRIGERATION SYSTEM WITH AND WITHOUT EJECTOR	2013

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Refrigeration and Air Conditioning	UTILIZATION OF PHASE CHANGING MATERIAL (PCM) FOR ENERGY CONSERVATION IN REFRIGERATION SYSTEM.	2013
Mechanical	Refrigeration and Air Conditioning	DESICCANT EVAPORATIVE COOLING FOR DOMESTIC AIR CONDITIONING SYSTEM	2013
Mechanical	Refrigeration engineering	Design and performance evaluation of chilling plant	2012
Mechanical	Six Sigma	Application of DMAIC methodology of Six Sigma Improvement strategy at B.C.Instruments Pvt. Ltd.	2012
Mechanical	Six Sigma	To reduce process variability of valve seat depth in cylinder head using Six Sigma methodology	2012
Mechanical	Solar	Experimental Analysis of solar still with additional condensr	2012
Mechanical	Solar	Performance Analysis of Single Basin Active Solar Distillation System with the use of EHP Solar Collector: Natural Convection	2012
Mechanical	SOLAR ENERGY	EXPERIMENTAL INVESTIGATION OF THERMAL PERFORMANCE OF DOUBLE FLOW SOLAR AIR HEATER HAVING CYLINDRICAL FINS	2012
Mechanical	solar energy	INVESTIGATION AND PERFORMANCE ANALYSIS OF SOLAR STILL WITH DIFFERENT ABSORBING PLATE	2012
Mechanical	solar energy	investigation on performance analysis of solar still withn screen.	2012
Mechanical	solar energy	performance and analysis of various parameters on glass cover of solar distiller	2012
Mechanical	solar energy	experimental analysis flate circular base absorb hemispherical solar distillation system	2012
Mechanical	Sound Absorption	performace analysis of disel engine silencer design	2012
Mechanical	SPC & Process Capability	Implementation of SPC(Statistical Process Control) and Process Capability in Miranda Tools,Ankleshwar to improve quality	2012
Mechanical	Statistical Quality Control Tools	ANALYSIS OF FOUNDRY DEFECTS FOR QUALITY IMPROVEMENT OF SAND CASTING INDUSTRY	2012
Mechanical	Thermal	Thermal analysis of mini channel heat exanger for electronic cooling	2012
Mechanical	THERMAL	EXPERIMENTAL ANALYSIS OF SOLAR STILL FOR SALINE WATER DISTILLATION	2012
Mechanical	THERMAL	EXPERIMENTAL ANALYSIS OF PARABOLIC TROUGH COLLECTOR USING INTERNAL FINNED RECEIVER	2012
Mechanical	Thermal	Performance enhancement of air cooled heat hexchanger under different atmospheric conditions.	2012
Mechanical	Thermal	Design and analysis of double bellow of valve technology of cryopump	2012
Mechanical	Thermal	Exergy analysis of a chilling plant	2012
Mechanical	Thermal	Study of heat load on cryopump for varying the emissivity of component materials	2012
Mechanical	Thermal	Design and Performance evaluation of cold room	2012
Mechanical	Thermal	Design and Performance analysis of air cooled screw chiller of capacity 100TR	2012
Mechanical	Thermal	Catalytic and Non-catalytic gasification of selected biomass in fluidised bed gasifier	2012
Mechanical	Thermal	Design, development and performance analysis of solar assisted waste water evaporation system	2012
Mechanical	Thermal	Design optimization of turbo machinery using CFD	2012



Main Branch	Theme/Area	Title of Project	Year
Mechanical	Thermal	Design and thermal analysis of vaporizer	2012
Mechanical	Thermal	Evaluation of thermal performance of micro channel heat sink using nano fluid as a cooling liquid	2012
Mechanical	THERMAL	THERMOMECHANICAL MODELING AND OPTIMIZATION OF FRICTION STIR WELDING OF COPPER PLATE	2012
Mechanical	Thermal	Performance measurement of diesel fired boiler using diesel and palm bio diesel blends with stability analysis.	2012
Mechanical	THERMAL	PERFORMANCE ANALYSIS OF INDUSTRIAL BOILER BY USING NEEM BASED BIO DIESEL & ITS BLENDS	2012
Mechanical	Thermal		2012
Mechanical	Thermal		2012
Mechanical	Thermal	experimental evaluation of machining surface in thermally enhanced machining	2012
Mechanical	Thermal	Development and Performance analysis of LENZ VAWT for Urben domestic application.	2012
Mechanical	Thermal	Energy and Exergy analysis of boiler in thermal power plant	2012
Mechanical	Thermal	Corrosion analysis os Air Pre-Heater Tubes of CFBC Boiler (SLPP) and improvement in Operation	2012
Mechanical	thermal	Design develop and analysis of shell and tube heat exchanger using nanofluid.	2012
Mechanical	thermal	performace assesment of fluidized bed combustion boiler	2012
Mechanical	thermal	exergy analysis of steam system components of power plant at S & PG department of GNFC Bharuch	2012
Mechanical	Thermal	Investigation and Performance On Double Basin Solar Still With Evacuated Tubes	2012
Mechanical	Thermal	INVESTIGATION ON EXPERIMENTAL ANALYSIS OF MULTILAYER ABSORBER SOLAR DESALINATION SYSTEM	2012
Mechanical	Thermal	Experimental Investigation to Identify Air Fuel Ratio of Petrol Engine used in Power Plant for Critical Condition	2012
Mechanical	Thermal	Effect of ic engine performance and emission analysis using blending of diesel, sesame oil and DMC( dimethyl carbonat )as a fuel	2012
Mechanical	Thermal	PERFORMANCE AND ANALYSIS OF SPIRAL HEAT EXCHANGER	2012
Mechanical	Thermal	EXPERIMENTAL STUDY OF EFFECT OF TRANSIENTS IN ENGINE SPEED AND TORQUE ON PERFORMANCE OF	2012
Mechanical	Thermal	Evaluation of Engine Performance and Emission By using Diesel and it's blend with Tyre Pyrolysis oil & DEE on four stroke single cylinder Diesel Engine	2012
Mechanical	Thermal	NUMERICAL INVESTIGATION OF JET EJECTORS	2012
Mechanical	Thermal engineering/fusion/cryogenics engineering.	Design of screw and barrel for pellet injection	2012
Mechanical	Thermal Engineering-Cryogenics	thermal analysis of cryoadsorption cryopanel during cool down and worm up.	2012
Mechanical	Thermal Fluid - Computational	MODELING OF DOWNDRAFT GASIFIER	2014

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Thermal Fluid - Computational	LINEAR STABILITY ANALYSIS OF TAYLOR-COUETTE FLOW	2014
Mechanical	Thermal Fluid - Computational	Thermal analysis and design of clutch cover plate	2014
Mechanical	Thermal Fluid - Computational	CFD ANALYSIS TO DETERMINE TOXIC LEVEL IN UNDERGROUND CAR PARKING AND APPLYING JET FANS TO REMOVE EXCESS HAZARDOUS GASES	2014
Mechanical	Thermal Fluid - Computational	EXPERIMENTAL AND NUMERICAL AERODYNAMIC INVESTIGATION OF CAR	2014
Mechanical	Thermal Fluid - Computational	ANALYSIS OF KLTPS POWER PLANT SHELL AND TUBE HEAT EXCHANGER IN CFD	2014
Mechanical	Thermal Fluid - Computational	TO OPTIMIZE THE DESIGN OF BASKET IN LUNGSTOM AIR PREHEATER	2014
Mechanical	Thermal Fluid - Cryogenics	THEORETICAL STUDY AND EXPERIMENT FOR THERMAL CONDUCTIVITY ASSESSMENT OF DIFFERENT MATERIALS AT CRYOGENIC TEMPERATURES	2014
Mechanical	Thermal Fluid - Cryogenics	THEORETICAL STUDY AND CFD ANALYSIS OF A GM TYPE DOUBLE INLET PULSE TUBE REFRIGERATOR (DIPTR)	2014
Mechanical	Thermal Fluid - Cryogenics	DESIGN, FABRICATION AND TESTING OF PROTOTYPE INTERNAL 80 K HELIUM GAS PURIFICATION SYSTEM FOR HELIUM PLANT	2014
Mechanical	Thermal Fluid - Cryogenics	DESIGN OF LOW HEAT LEAK HELIUM DEWAR	2014
Mechanical	Thermal Fluid - Cryogenics	THREE DIMENSIONS COMPUTATIONAL FLUID DYNAMICS FLOW ANALYSIS OF HIGH SPEED CRYOGENIC TURBOEXPANDER USING NITROGEN AS FLOWING FLUID	2014
Mechanical	Thermal Fluid - Cryogenics	PRESSURE DROP ESTIMATION OF HYDRO FORMED PANELS	2014
Mechanical	Thermal Fluid - Cryogenics	THERMAL DESIGN,OPTIMIZATION AND ANALYSIS OF LIQUID NITROGEN BASED CRYOPUMP FOR LIGO VACUUM SYSTEM.	2014
Mechanical	Thermal Fluid - Cryogenics	EXPERIMENTAL STUDY ON COILED FINNED TUBE TYPE HEAT EXCHANGER	2014
Mechanical	Thermal Fluid - Cryogenics	COMPUTER AIDED DIESIGN AND PERFORMANCE PREDICTION OF CRYOGENIC REGENERATOR FOR STIRLING CYCLE CRYOCOOLER	2014
Mechanical	Thermal Fluid - Cryogenics	DETAILD THEROTICAL STUDY AND COMPARATIVE CFD ANALYSIS OF STIRLING TYPE PULSE TUBE REFRIGERATOR	2014
Mechanical	Thermal Fluid - Cryogenics	DESIGN AND DIFFERENT ASPECTS OF THE LN2 VERTICAL LARGE STORAGE TANK	2014
Mechanical	Thermal Fluid - Cryogenics	EXPERIMENTAL INVESTIGATION ON LIQUID NITROGEN CRYOPROBE	2014

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Thermal Fluid - Heat Transfer	DESIGN, ANALYSIS & PERFORMANCE INVESTIGATION OF HEAT EXTRACTION UNIT USING FINS	2014
Mechanical	Thermal Fluid - Heat Transfer	ENERGY AUDIT OF CAPTIVE POWER PLANT	2014
Mechanical	Thermal Fluid - Heat Transfer	BUNBACK ANALYSIS & CFD SIMULATION OF CORE GRAIN OF SOLID ROCKET PROPELLANT MOTOR	2014
Mechanical	Thermal Fluid - Heat Transfer	THERMAL ANALYSIS OF CYLINDER LINER DESIGN MODIFICATION USING FEA	2014
Mechanical	Thermal Fluid - Heat Transfer	HEAT TRANSFER AUGMENTATION & ANALYSIS OF AIR COOLED IC ENGINE USING FEA	2014
Mechanical	Thermal Fluid - Heat Transfer	IMPROVEMENT OF COOLING EFFECT IN TWO STAGE RECIPROCATING AIR COMPRESSOR FIN THROUGH DIMENSIONAL MODIFICATION	2014
Mechanical	Thermal Fluid - Heat Transfer	ENERGY AND EXERGY ANALYSIS OF ROTARY KILN OF CEMENT INDUSTRIES UNDER VARIOUS OPERATING CONDITIONS	2014
Mechanical	Thermal Fluid - Heat Transfer	DESIGN AND DEVELOPMENT OF STANDALONE DOMESTIC APPLICATION OF HYDROGEN	2014
Mechanical	Thermal Fluid - Heat Transfer	EXPERIMENTAL INVESTIGATION OF HEAT TRANSFER CO-EFFICIENT FOR DROPWISE AND FILMWISE CONDENSATION OF DYE SOLUTIONS	2014
Mechanical	Thermal Fluid - Heat Transfer	EXPERIMENTAL, NUMERICAL ANALYSIS AND DEVELOPMENT OF FLEXIBLE CONDUCTIVE LINK FOR SPACE APPLICATION	2014
Mechanical	Thermal Fluid - Heat Transfer	Optimization of shell and tube heat exchanger using modern optimization techniques	2014
Mechanical	Thermal Fluid - Heat Transfer	NUMERICAL AND EXPERIMENTAL ANALYSIS OF MULTIPLE JET IMPINGEMENT COOLING ON A FLAT MOVING SURFACE	2014
Mechanical	Thermal Fluid - Heat Transfer	Numerical and Experimental study on waste heat recovery using ORC	2014
Mechanical	Thermal Fluid - Heat Transfer	DESIGN OF HIGH PRESSURE WASTE HEAT RECOVERY BOILER DOWNSTREAM OF SPONGE IRON KILN	2014
Mechanical	Thermal Fluid - Heat Transfer	PERFORMANCE ON HEAT PIPE	2014
Mechanical	Thermal Fluid - Heat Transfer	MULTIPHASE FLOW	2014
Mechanical	Thermal Fluid - Heat Transfer	Experimental investigation & performance analysis of double pipe heat exchanger with insert combination of baffles and twisted tape	2014
Mechanical	Thermal Fluid - Heat Transfer	DESIGN AND DEVELOPMENT OF FUEL CELL	2014

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Thermal Fluid - Heat Transfer	PERFORMANCE ENHANCEMENT OF COOLING TOWER ANALYZED BY CFD ANALYSIS.	2014
Mechanical	Thermal Fluid - Heat Transfer	VAPOUR PULL THROUGH WITH COOLANT IN PWR	2014
Mechanical	Thermal Fluid - Heat Transfer	PERFORMANCE ANALYSIS OF BOILER & TURBINE FOR THERMAL POWER PLANTS, AS PER ASME PERFORMANCE TEST & BENCHMARKING OF POWER PLANT	2014
Mechanical	Thermal Fluid - Heat Transfer	DESIGN AND PERFORMANCE ANALYSIS OF THERMOSYPHON BASED REFRIGERATOR	2014
Mechanical	Thermal Fluid - Heat Transfer	MODIFYING OIL PATH TO REDUCE HEAT DISSIPATION IN 2 STAGE BEVEL GEAR BOX AND ITS VALIDATION	2014
Mechanical	Thermal Fluid - Heat Transfer	THE THERORITICAL PERFORMANCE EVALUTION OF AN INDUSTRIAL BOILER: AN ENERGY AND EXERGY ANALYSIS APPROCH	2014
Mechanical	Thermal Fluid - Heat Transfer	CFD ANALYSIS OF COOLING EFFECT ON BLAST FURNACE STAVE OF 3D HOT METAL FLOW	2014
Mechanical	Thermal Fluid - Heat Transfer	EXPERIMENTAL INVESTIGATION OF U TUBE HEAT EXCHANGER USING PLAIN TUBE AND CORRUGATED TUBE	2014
Mechanical	Thermal Fluid - Heat Transfer	EXPERIMENTAL INVESTIGATION OF SHELL AND TUBE HEAT EXCHANGER USING NANO FLUID	2014
Mechanical	Thermal Fluid - Heat Transfer	EXPERIMENTAL INVESTIGATION ON BOILING HEAT TRANSFER	2014
Mechanical	Thermal Fluid - Heat Transfer	ANALYSIS OF CONDENSING HEAT TRANSFER THROUGH HORIZONTAL MINI CHANNEL	2014
Mechanical	Thermal Fluid - Heat Transfer	DESIGN AND ANALYSIS OF RECUPERATOR IN GAS TURBINE POWER PLANT	2014
Mechanical	Thermal Fluid - Heat Transfer	PERFORMANCE EVALUATION OF AIR SIDE HEAT TRANSFER CO-EFFICIENT OF LOUVERED FIN COMPACT HEAT EXCHANGER	2014
Mechanical	Thermal Fluid - Heat Transfer	EXPERIMENTAL STUDIES ON HEAT TRANSFER CHARACTERISTICS FOR CORRUGATED TUBE IN A DOUBLE PIPE HEAT EXHCANGER	2014
Mechanical	Thermal Fluid - Heat Transfer	DESIGN AND ANALYSIS OF MINI CHANNEL HEAT EXCHANGER	2014
Mechanical	Thermal Fluid - Heat Transfer	CFD AND EXPERIMENTAL STUDY OF EFFECT OF BRANCH RESISTANCE ON ONSET OF GAS ENTRAINMENT DURING TRIPLE DISCHARGE FOR SCALE DOWN MODEL OF PHWR HEADER	2014
Mechanical	Thermal Fluid - Heat Transfer	ANALYSIS OF INDUCED DRAFT COOLING TOWER FILL TO IMPROVE EFFICIENCY	2014
Mechanical	Thermal Fluid - Heat Transfer	TWO PHASE FLOW REGIME TRANSITION AND DEVELOPMENT OF FLOW PATTERN MAP IN MINI CHANNEL	2014

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Thermal Fluid - Heat Transfer	PERFORMANCE INVESTIGATION OF AN AUTOMOBILE CAR RADIATOR USING NANO FLUID	2014
Mechanical	Thermal Fluid - Heat Transfer	NUMERICAL AND EXPERIMENTAL INVESTIGATIONS OF ROUND SYNTHETIC JETIN QUISCENTFLOW	2014
Mechanical	Thermal Fluid - Heat Transfer	THERMAL ANALYSIS OF GEOTHERMAL HEAT EXCHANGER	2014
Mechanical	Thermal Fluid - Heat Transfer	TWO PHASE FLOW BOILING HEAT TRANSFER IN SMALL DIAMETER SINGLE HORIZONTAL CHANNEL	2014
Mechanical	Thermal Fluid - Heat Transfer	HEAT TRANSFER ENHANCEMENT BY DIFFERENT SHELL GEOMETRY	2014
Mechanical	Thermal Fluid - IC Engines	PERFORMANCE ANALYSIS OF HYDROGEN (GAS)-GASOLINE FUELLED SPARK IGNITION ENGINE	2014
Mechanical	Thermal Fluid - IC Engines	EXPERIMENTAL INVESTIGATION ON EFFECT OF EGR ON BIODIESEL FUELED HCCI ENGINE USING EXTERNAL FUEL VAPORISER.	2014
Mechanical	Thermal Fluid - IC Engines	EXPERIMENTAL INVESTIGATION ON PERFORMANCE OF HCCI COMBUSTION IN DIESEL ENGINE WITH GASEOUS FUEL.	2014
Mechanical	Thermal Fluid - IC Engines	PARAMETRIC OPTIMIZATION OF S. I. ENGINE USING ETHANOL BLENDED GASOLINE AS FUEL USING RESPONSE SURFACE METHODOLOGY	2014
Mechanical	Thermal Fluid - IC Engines	COMPARATIVE ASSESSMENT OF AERODYNAMIC FORCES GENERATED DUE TO RAIN GUTTER BY CFD AND EXPERIMENTAL METHOD	2014
Mechanical	Thermal Fluid - IC Engines	OPTIMIZATION OF NATURAL GAS MIXTURE DESIGN FOR IMPROVEMENT OF SWIRL MOTION INSIDE CYLINDER TO ENHANCE THE PERFORMANCE	2014
Mechanical	Thermal Fluid - IC Engines	AERODYNAMIC DRAG REDUCTION OF A PASSENGER VEHICLE BY CONTROLLING THE WAKE USING CFD ANALYSIS	2014
Mechanical	Thermal Fluid - IC Engines	PERFORMANCE ANALYSIS OF DIESEL-CNG DUAL FUEL ENGINE	2014
Mechanical	Thermal Fluid - IC Engines	EXPERIMENTAL INVESTIGATION ON PERFORMANCE AND EMISSION OF MAHUA OIL-DIESEL BLEND IN CI ENGINE WITH EGR	2014
Mechanical	Thermal Fluid - IC Engines	DESIGN MODIFICATION IN THE CELL SIZE OF A CATALYTIC CONVERTER	2014
Mechanical	Thermal Fluid - IC Engines	WEIGHT OPTIMIZATION OF IC ENGINE CONNECTING ROD USING FEA	2014
Mechanical	Thermal Fluid - IC Engines	ENHANCEMENT OF HEAT TRANSFER RATE USING NANOPARTICALS IN A RADIATOR	2014
Mechanical	Thermal Fluid - IC Engines	MODIFICATION OF GEAR SHIFTING MECHANISM IN TRACTOR	2014

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Thermal Fluid - IC Engines	ANALYSIS OF A 4-STROKE C.I. ENGINE RUNNING ON USED COOKING OIL	2014
Mechanical	Thermal Fluid - IC Engines	NUMERICAL ANALYSIS OF COMPRESSION RATIO & BIOFUEL SUBSTITUTION IN DIESEL ENGINE AND EXPERIMENTAL VERIFICATION	2014
Mechanical	Thermal Fluid - IC Engines	CFD ANALYSIS OF TWO STROKE SCAVENGING ENGINE	2014
Mechanical	Thermal Fluid - IC Engines	LARGE EDDY SIMULATION OF SWIRL ANNULAR ATOMIZER	2014
Mechanical	Thermal Fluid - IC Engines	EXPERIMENTAL OF DIFFERENT AUTOMOBILE GEAR OIL FOR AUTOMOBILE GEARBOX IN TERMS OF POWER LOSS AND TEMPERATURE DIFFERENCE	2014
Mechanical	Thermal Fluid - IC Engines	AN EXPERIMENTAL INVESTIGATION OF CI ENGINE ON EFFECT OF EGR RATE AND ITS TEMPERATURE ON PERFORMANCE & EXHAUST EMISSION	2014
Mechanical	Thermal Fluid - IC Engines	EFFECT OF MAGNETIC FIELD ON PERFORMANCE AND EMISSION OF DIESEL ENGINE	2014
Mechanical	Thermal Fluid - IC Engines	EXPERIMENTAL INVESTIGATION OF DIESEL ENGINE FOR PERFORMANCE AND EXHAUST EMISSION USING PYROLYSIS OIL WITH DOE METHOD	2014
Mechanical	Thermal Fluid - IC Engines	NUMERICAL ANALYSIS OF DIESEL SPRAYS USING CFD	2014
Mechanical	Thermal Fluid - IC Engines	DESIGN AND DEVELOPMENT OF "GF50I" DIESEL ENGINE TO IMPROVE THE PERFORMANCE	2014
Mechanical	Thermal Fluid - IC Engines	PERFORMANCE INVESTIGATION OF 2 STROKE SINGLE CYLINDER PETROL ENGINE FOR DIFFERENT SPARK PLUGS AND SPARK TIMING	2014
Mechanical	Thermal Fluid - IC Engines	PERFORMANCE AND EMISSION ANALYSIS OF FOUR STROKE DIESEL ENGINE BY USING BIO-DIESEL	2014
Mechanical	Thermal Fluid - IC Engines	PERFORMANCE INVESTIGATION OF INTAKE MANIFOLD GEOMETRY ON 4-STROKE SINGLE CYLINDER DIESEL ENGINE	2014
Mechanical	Thermal Fluid - IC Engines	ANALYSIS OF ENGINE PERFORMANCE AND EMISSION CHARACTERISTICS OF DIESEL ENGINE USING WATER INJECTION IN INTAKE MANIFOLD AND EGR	2014
Mechanical	Thermal Fluid - IC Engines	PERFORMANCE AND EMISSION CHARACTERISTICS OF DIRECT INJECTION DIESEL ENGINE BY WATER EMULSION DIESEL	2014
Mechanical	Thermal Fluid - IC Engines	PERFORMANCE INVESTIGATION ON FOUR STROKE SINGLE CYLINDER PETROL ENGINE FOR DESIGN OF EXPERIMENT METHOD	2014
Mechanical	Thermal Fluid - IC Engines	EXPERIMENTAL ANALYSIS TO STUDY THE EFFECTS OF OXYGEN ENRICHMENT OF BIO-DIESEL AND TO CHECK OVERALL PERFORMANCE OF I.C. ENGINE IN DIFFERENT LOADING CONDITIONS	2014
Mechanical	Thermal Fluid - IC Engines	DEVELOPMENT AND PERFORMANCE ANALYSIS OF HYDRAULIC HYBRID VEHICLE SYSTEM USING 4-STROKE S.I ENGINE.	2014

Main Branch	Theme/Area	Title of Project	Year
Mechanical	Thermal Fluid - IC Engines	Design and Performnce analysis of Hydrogen- Gasoline Two Wheeler	2014
Mechanical	Thermal Fluid - IC Engines	Preformance and experimental analysis of duel fuel technology with using CI engine	2014
Mechanical	Thermal Fluid - IC Engines	Performance analysis of cng fuel vehicle with hydrogen enrichment	2014
Mechanical	Thermal Fluid - IC Engines	DEVELOPMENT AND PERFORMANCE MEASUREMENT OF SINGLE CYLINDER 4S LHR ENGINE	2014
Mechanical	Thermal Fluid - IC Engines	DEVELOPMENT AND PERFORMANCE ANALYSIS OF CNG/GASOLINE FUELLED TWO WHEELER	2014
Mechanical	Thermal Fluid - IC Engines	DEVELOPMENT AND PERFORMANCE ANALYSIS OF HYBRID VEHICLE	2014
Mechanical	Thermal Fluid - IC Engines	Preformance Modification of Sport Utility Vehicle Using CFD .	2014
Mechanical	Thermal Fluid - IC Engines	Performane measurement of battery operated Hybrid two-wheeler using alcohol-gasoline blend	2014
Mechanical	Thermal Fluid - IC Engines	Comfort Control using MR Fluid Damper	2014
Mechanical	Thermal Fluid - IC Engines	COMBINED EFFECT OF LOW HEAT REJECTION AND BIODIESEL FULLED ENGINE.	2014
Mechanical	Thermal Fluid - IC Engines	INVESTIGATION OF EXHAUST EMISSION AND OPTIMIZATION OF CELL SHAPE CATALYTIC CONVERTER USING AU, AG & SS 304	2014
Mechanical	Thermal Fluid - IC Engines	EXPERIMENTAL INVESTIGATION AND PERFORMANCE OF NOZZLE TYPE EXHAUST MANIFOLD IN SINGLE CYLINDER CI ENGINE	2014
Mechanical	Thermal Fluid - IC Engines	PERFORMANCE ANALYSIS OF FOUR STROKE DIESEL ENGINE BY USING BIOGAS AND DIESEL	2014
Mechanical	Thermal Fluid - IC Engines	EXPERIMENTAL INVESTIGATION ON EFFECT OF DEHUMIDIFIED INLET AIR ON THE PERFORMANCE AND EMISSION OF CI ENGINE	2014
Mechanical	Thermal Fluid - IC Engines	AN EXPERIMENTAL INVESTIGATION ON THE PERFORMANCE AND EMISSION PARAMETRES USING WTO-DIESEL BLENDS WITH ADDITIVE IN A DIESEL ENGINE	2014
Mechanical	Thermal Fluid - IC Engines	EFFECT OF HHO GAS ON DIESEL ENGINE BY VARYING INJECTION PRESSURE	2014
Mechanical	Thermal Fluid - IC Engines	FEA BASED STRESS ANALYSIS AND DESIGN OPTIMIZATION OF ENGINE S PISTON	2014
Mechanical	Thermal Fluid - IC Engines	ENHANCEMENT PERFORMANCE OF AUTOMOBILE RADIATOR USING NANO FLUID	2014



Main Branch	Theme/Area	Title of Project	Year
Mechanical	Thermal Fluid - IC Engines	EFFECT OF INJECTION TIMING ON PERFORMANCE AND EMISSION ON SINGLE CYLINDER CI ENGINE RUN BY DIESEL OIL AND COW URINE BLEND.	2014
Mechanical	Thermal Fluid - IC Engines	PERFORMANCE AND EMISSION TESTING ON NATURALLY ASPIRATED CI ENGINE FUELLED WITH DIESEL AND BIODIESEL BLEND WITH NANOADDITIVE	2014
Mechanical	Thermal Fluid - IC Engines	AGRICULTURAL WASTE USED FOR PRODUCTION OF BIOETHENOL FUEL FOR IMPROVING EMISSION AND PERFORMANCE OF IC ENGINE	2014
Mechanical	Thermal Fluid - IC Engines	TO EVALUATE THE PERFORMANCE AND EMISSION CHARACTERISTICS OF HYBRID(DUAL) BIODIESEL DIESEL BLEND ON SINGLE SYLINDER DIESEL ENGINE.	2014
Mechanical	Thermal Fluid - IC Engines	PERFORMANCE ANALYSIS OF HYDROGEN OXYGEN MIXTURE WITH GASOLINE FUEL IN 4-STROKE SINGLE CYLINDER SI ENGINE.	2014
Mechanical	Thermal Fluid - IC Engines	EFFECT OF CHANGE OF AIR PREHEATING ON PERFORMANCE AND EXHAUST EMISSION OF CI ENGINE	2014
Mechanical	Thermal Fluid - IC Engines	ANALYSIS OF VARIANTS IN PROPELLER SHAFT & SCOPE OF IMPROVEMENT IN TERMS OF SERVICEABILITY (HCV)	2014
Mechanical	Thermal Fluid - IC Engines	PERFORMANCE IMPROVEMENT AND EXHAUST EMISSION CONTROL OF IC ENGINE USING MULTIFUEL	2014
Mechanical	Thermal Fluid - IC Engines	AN EXPERIMENTAL STUDY ON IC ENGINE USING COMPRESSED AIR AS ALTERNATE FUEL	2014
Mechanical	Thermal Fluid - IC Engines	OPTIMUM PRODUCTION OF BIODIESEL ANS ITS APPLICATION IN IC ENGINE USING FUEL ADDITIVES	2014
Mechanical	Thermal Fluid - Non-conventional	PERFORMANCE IMPROVEMENT OF MODIFIED OMNIDIRECTIONAL DUCTED WIND MILL	2014
Mechanical	Thermal Fluid - Non-conventional	AN EXPERIMENTAL APPROACH TO UPGRADE THE CALORIFIC VALUE OF BIOGAS	2014
Mechanical	Thermal Fluid - Non-conventional	PYROLYSIS OF BIOMASS RESIDUE ON FIXED BED REACTOR	2014
Mechanical	Thermal Fluid - Non-conventional	DESIGN AND PERFORMANCE ANALYSIS OF SMOKELESS CHULLA	2014
Mechanical	Thermal Fluid - Non-conventional	DEVELOPMENT AND ANALYSIS OF CIRCULATING FLUIDIZED BED GASIFIER	2014
Mechanical	Thermal Fluid - Non-conventional	DESIGN AND INVESTIGATION OF PV THERMAL TECHNOLOGY WITH CPC	2014
Mechanical	Thermal Fluid - Non-conventional	DEVELOPMENT AND EXPERIMENTAL STUDY OF SMALL SCALE BIOGAS PLANT	2014
Mechanical	Thermal Fluid - Non-conventional	CLEANING AND COOLING OF PRODUCER GAS COMES FROM DOWNDRAFT GASIFIER	2014

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Mechanical	Thermal Fluid - Non-conventional	EXPERIMENTAL INVESTIGATION ON THE PERFORMANCE OF WELLS TURBINE	2014
Mechanical	Thermal Fluid - RAC	CFD ANALYSIS OF COLD STORAGE PLANT	2014
Mechanical	Thermal Fluid - RAC	EXERGY ANALYSIS OF HYBRID REFRIGERATION SYSTEM	2014
Mechanical	Thermal Fluid - RAC	THERMAL ANALYSIS OF VACUUM FREEZE DRYING	2014
Mechanical	Thermal Fluid - RAC	ANALYSIS OF THERMAL BALANCING IN AUTOMOBILE CABIN BY USING PHASE CHANGING MATERIALS	2014
Mechanical	Thermal Fluid - RAC	EXPERIMENTAL ANALYSIS OF LIBR ABSORPTION REFRIGERATOR USING CONCENTRIC TYPE SOLAR COLLECTORS	2014
Mechanical	Thermal Fluid - RAC	COMPUTATIONAL INVESTIGATION FOR HIKE OF THERMAL EFFICIENCY OF ADSORPTION REFRIGERATION BY SOLAR RADIATION - COMPUTATIONAL FLUIDE DYNAMICS	2014
Mechanical	Thermal Fluid - RAC	INVESTIGATION ON LIQUIDE AIR CONTACTING DEVICE FOR LIQUIDE DESICCANT AIR CONDITIONING(LDAC)	2014
Mechanical	Thermal Fluid - RAC	INVESTIGATION ON SOLAR LIQUIDE DESICCANT REGENERATION	2014
Mechanical	Thermal Fluid - RAC	EXPERIMENTAL INVESTIGATION OF THERMAL AND VENTILATION PERFORMANCES OF STRATUM VENTILATION	2014
Mechanical	Thermal Fluid - RAC	QUANTIFICATION OF THE AIR FLOW HEAT AND MASS TRANSFER IN COLD STORES CFD MODEL	2014
Mechanical	Thermal Fluid - RAC	FABRICATION AND EXPERIMENTAL ANALYSIS OF THERMOACOUSTIC REFRIGERATOR	2014
Mechanical	Thermal Fluid - RAC	EXPERIMENTAL ANALYSIS OF ZEOLITE BASE SOLAR VAPOUR ADSORPTION REFRIGERATION SYSTEM	2014
Mechanical	Thermal Fluid - RAC	EXPERIMENTAL INVESTIGATION ON VAPOUR COMPRESSION REFRIGERATON SYSTEM USING REFRIGERANT BLEND	2014
Mechanical	Thermal Fluid - RAC	DESIGN AND ENHANCEMENT AND THERMAL COMFORT OF VENTILATION TO MAINTAIN PROPER AIRFLOW PATTERN FOR SPORTS COMPLEX LIKE BADMINTON COURT	2014
Mechanical	Thermal Fluid - RAC	AIR CONDITIONING USING INTERNALLY COOLED LIQUID DESSICANT AIR CONTACTING DEVICE	2014
Mechanical	Thermal Fluid - RAC	PARAMETRIC ANALYSIS OF ABSORPTION COMPRESSION HYBRID REFRIGERATION SYSTEM	2014
Mechanical	Thermal Fluid - RAC	PERFORMANCE EVALUATION OF SPLIT AIR CONDITIONER WORKING WITH ALTERNATE REFRIGERANTS TO R-22	2014
Mechanical	Thermal Fluid - RAC	DESIGN ACND DEVELOPMENT OF LOW TEMPERATURE ORGANIC RANKINE CYCLE	2014
Mechanical	Thermal Fluid - RAC	WASTE HEAT DRIVEN ABSORPTION VAPOUR COMPRESSION CASCADE	2014
Mechanical	Thermal Fluid - Solar Thermal	INVESTIGATION ON SOLAR SINGLE BASIN SOLAR STILL WITH ENERGY ABSORBING MATERIALS:-- EXPERIMENTAL AND SIMULATION ANALYSIS	2014
Mechanical	Thermal Fluid - Solar Thermal	THERMAL ANALYSIS OF WAX MELTING SYSTEM USING SOLAR HEAT PIPE EVACUATED TUBE COLLECTORS	2014
Mechanical	Thermal Fluid - Solar Thermal	Experimental Performance and Investigation of Solar Air Heater Using Double Flow with Multiple Obstacles on Absorber Plate	2014
Mechanical	Thermal Fluid - Solar Thermal	experimental investigation to increase efficiency of double pass solar air heater with combine effect of baffles and metallic wiry sponge.	2014
Mechanical	Thermal Fluid - Solar Thermal	A PERFORMANCE ANALYSIS OF SINGLE EFFECT - SINGLE BASIN DOUBLE SLOPE SOLAR STILL USING DIFFERENT WATER NANOFUIDS	2014
Mechanical	Thermal Fluid - Solar Thermal	A COMPARATIVE PERFORMANCE EVOLUTION TO FIND AN OPTIMUM TILT ANGLE FOR SOLAR FLAT PLAT COLLECTOR USING SINGLE AND DOUBLE LAYER	2014

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Mechanical	Thermal Fluid - Solar Thermal	ANALYSIS AND DESIGN IMPROVEMENT OF SOLAR COOLING SYSTEM FOR PARKED CAR	2014
Mechanical	Thermal Fluid - Solar Thermal	INVESTIGATION ON SOLAR STILL COUPLED WITH EVACUATED GLASS TUBE(EGT) USING WATER AS A SECONARY FLUID	2014
Mechanical	Thermal Fluid - Solar Thermal	THERMAL PERFORMANCE STUDIES OF METAL METRIX COVERED TO BLACK SAND COATED SOLAR WATER HEATER	2014
Mechanical	Thermal Fluid - Solar Thermal	DESIGN OPTIMIZATION AND DEVELOPMENT OF SOLAR THERMAL HEAT RECEIVER SYSTEM WITH PARABOLIC CONCENTRIC COLLECTOR	2014
Mechanical	Thermal Fluid - Solar Thermal	INVESTIGATION ON SOLAR STILL COUPLED WITH EVACUATED GLASS TUBE(EGT) USING AIR AS SECONDARY FLUID	2014
Mechanical	Thermal Fluid - Solar Thermal	A PERFORMANCE EVALUATION OF DOUBLE EFFECT- DOUBLE BASIN SINGLE SLOPE SOLAR STILL USING WATER NANO FLUID	2014
Mechanical	Thermal Fluid - Solar Thermal	A PERFORMANCE EVALUATION OF SPHERICAL BASIN TYPE SOLAR STILL WITH CYLINDRICAL PARABOLIC CONCENTRATOR	2014
Mechanical	Thermal Fluid - Solar Thermal	DEVELOPMENT OF THE SOLAR COOKER WITH SEVERAL ABSORBER POTS	2014
Mechanical	Thermal Fluid - Solar Thermal	EXPERIMENTAL INVESTIGATION OF CLOSE LOOP PULSATING HEAT PIPE WITH INTERCONNECTING CHANNEL FOR SOLAR CELL	2014
Mechanical	Thermal Fluid - Solar Thermal	EXERGY ANALYSIS SMALL CAPACITY LIBR-H2O VAPOUR ABSORPTION SYSTEM	2014
Mechanical	Thermal Fluid - Solar Thermal	PERFORMANCE EVALUATION OF DIRECT ABSORPTION SOLAR FLAT PLAT COLLECTOR USING HEAT TRANSFER FLUID	2014
Mechanical	Thermal Fluid - Solar Thermal	COMPARATIVE PERFORMANCE EVALUATION OF MODIFIED PASSIVE SOLAR STILL	2014
Mechanical	Thermal Fluid - Solar Thermal	PERFORMANCE ENHANCEMENT OF SOLAR PARABOLIC TROUGH COLLECTORS BY USING PASSIVE METHODS FOR INDUSTRIAL PROCESS HEATING	2014
Mechanical	Thermal Fluid - Turbo Machines	STUDY ON GAS TURBINE BLADE	2014
Mechanical	Thermal Fluid - Turbo Machines	DESIGN AND PERFORMANCE ANALYSIS OF IMPINGEMENT COOLING OF BLADE FOR GAS TURBINE	2014
Mechanical	Thermal Fluid - Turbo Machines	EXPERIMENTAL AND ANALYSIS INVESTIGATION FOR IMPROVEMENT THE EFFICIENCY OF INDUCED DRAFT COUNTER FLOW WET COOLING TOWER OF BLOW MOLDING MACHINE	2014
Mechanical	Thermal Fluid - Turbo Machines	COMPUTATIONAL INVESTIGATION OF COLD FLOW IN PUMP COMBUSTOR WITH TAPER EXIT	2014
Mechanical	Thermal(Heat exchanger)	To Increase The Heat Transfer Rate of PHE By Varying its parameters and Achieve Optimized Parameters Through CFD Analysis.	2012

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Mechanical	Thermal.(Heat Transfer )	“Use of Polymeric Composite Materials in Shell and Tube Type Heat Exchangers to Increasing the Performance”	2012
Mechanical	Thermal/Cryogenic	NUMERICAL MODELLING OF FROST FORMATION ON VAPORIZER	2013
Mechanical	Thermal/Cryogenic	AN EXPERIMENTAL AND THEORETICAL INVESTIGATION OF TORREFACTION PROCESS	2013
Mechanical	Thermal/Cryogenic	THRML ANALYSIS ON SUPERCHARGER IMPLEMENTED IN TWO WHEELER AUTOMOBILE	2013
Mechanical	Thermal/Cryogenic	PERFORMANCE & ANALYSIS OF STEAM JET EJECTOR	2013
Mechanical	Thermal/Cryogenic	Thermal Sensitivity study of piston design parameters using finite element analysis	2013
Mechanical	Thermal/Cryogenic	CASTING DEFECTS IDENTIFICATION & SOLUTION BY PRACTICAL & SIMU	2013
Mechanical	Thermal/Cryogenic	DESIGN, ANALYSIS AND OPTIMIZATION OF DOUBLE WALL VACUUM VESSEL	2013
Mechanical	Thermal/Cryogenic	NANO FLUIDS	2013
Mechanical	Thermal/Cryogenic	ANALYSIS OF 1.5 MW DUMMY LOAD IN ION CYCLOTRON HEATING AND CURRENT DRIVE (ICH AND CD) USING THERMAL AND CFX ANALYSIS	2013
Mechanical	Thermal/Cryogenic	MODIFICATIONS IN THE DESIGN OF CELL SHAPE FOR A CATALYTIC CONVERTER	2013
Mechanical	Thermal/Cryogenic	EXP. STUDY & ANALYSIS OF HEAT TRANSFER ENHANCEMENT OF TUBE IN TUBE TYPE H.E USING DELTA WINGLET & NANO FLUID	2013
Mechanical	Thermal/Cryogenic	OPTIMIZATION OF OPERATING PARAMETER,CFD ANALYSIS & PERFROMANCE EVALUATION OF H.E	2013
Mechanical	Thermal/Cryogenic	DESIGN AND PARAMETER EFFECT STUDY ON THERMAL EXPANSION JOINT OF INDUSTRIAL APPLI	2013
Mechanical	Thermal/Cryogenic	CRITICAL ANALYSIS OF FLOW OVER VIBRATING CYLINDER IN CROSS FLOW FIELD BY CFD ANALYSIS	2013
Mechanical	Thermal/Cryogenic	DESIGN AND OPTIMIZATION OF IMPULSE REACTION TURBINE BLADE THROUGH CFD ANALYSIS OF THERMAL POWER PLANT.	2013
Mechanical	Thermal/Solar	COMPUTER AIDED ANALYSIS AND OPTIMIZATION OF HELICAL TURBINE FOR POWER GENERATION USING WATER FLOW	2013
Mechanical	Thermal/Solar	EXERGO ECONOMIC ANALYSIS OF A CAPTIVE POWER PLANT	2013
Mechanical	Thermal/Solar	USE OF DIFFERENT BIOMASS AND CATALYST IN FBG AND EFFECT OF COOLING AND CLEANING OF PRODUCER GAS	2013
Mechanical	Thermal/Solar	SOLAR AIR CONDITIONING	2013
Mechanical	Thermal/Solar	COMPARATIVE STUDY OF CURVED PLATE SOLAR AIR HEATER WITH FLATE PLATE SOLAR AIR HEATER	2013
Mechanical	Thermal/Solar	OPTIMIZATION OF FBC BASED COAL FIRED BOILER	2013
Mechanical	Thermal/Solar	ANALYSIS OF LIQUID DESICCANT REGENERATION USING CONDENSER WASTE HEAT	2013
Mechanical	Thermal/Solar	EXPERIMENTAL EVALUATION OF CONVENTIONAL SOLAR WATER HEATER AND SERPENTINE SOLAR WATER HEATER	2013
Mechanical	Thermal/Solar	EXPERIMENTAL INVESTIGATION ON HEAT TRANSFER ENHANCEMENT AND FRICTION CHARACTERISTICS SOLAR AIR HEATER HAVING ARTIFICIAL ROUGHNESS GEOMETRY.	2013
Mechanical	Thermal/Solar	EXPERIMENTAL AND INVESTIGATION OF CALORIFIC VALUE OF BIOGAS WORKING AS A BIO CNG	2013
Mechanical	Thermal/Solar	SOLAR ENERGY STORAGE SYSTEM	2013
Mechanical	Thermal/Solar	INVESTIGATION ON EVACUATED GLASS TUBE BASED SOLAR COLLECTOR WITH FLAT REFLECTORS	2013
Mechanical	Thermal/Solar	EXPERIMENTAL EVALUATION OF SPIRAL SOLAR WATER HEATER WITH STRAIGHT TUBE SOLAR WATER HEATER	2013

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Mechanical	Thermal/Solar	EXPERIMENTAL INVESTIGATION OF PCM BASED LATENT HEAT STORAGE SYSTEM WITH SOLAR HEAT SOURCES	2013
Mechanical	Thermal/Solar	EXPERIMENTAL AND THERMO ECONOMIC ANALYSIS OF SOLAR AIR CONDITIONING SYSTEM	2013
Mechanical	Thermal/Solar	DESIGN AND ANALYSIS OF COMBINED EFFECT OF SOLAR COOKING AND WATER HEATING SYSTEM	2013
Mechanical	Thermal/Solar	EXPERIMENTAL INVESTIGATION OF DOUBLE PASS SOLAR AIR HEATER BY USING FINS, BAFFLES AND POROUS MEDIA	2013
Mechanical	Thermal/Solar	EFFECT OF THERMAL COATING ON PISTON AND CYLINDER CROWN	2013
Mechanical	Thermal/Solar	PERFORMANCE INVESTIGATION ON SOLAR ASSISTED VAPOUR ABSORPTION REFRIGERATION SYSTEM	2013
Mechanical	Thermal/Solar	DEVELOPMENT AND ANALYSIS OF NOVEL SOLAR DISTILLATION WITH WAVY FIN FOR SMALL FAMILY WATER REQUIREMENT	2013
Mechanical	Thermal/Solar	AIR CONDITIONING OF SMALL ROOM BY USING HEAT OF SOLAR WATER HEATER IN SUMMER	2013
Mechanical	Thermal/Solar	OPTIMIZATION OF BOILER COMBUSTION IN PULVERIZED COAL FIRED BOILER	2013
Mechanical	Thermal/Solar	EXPERIMENTAL ANALYSIS OF ADSORPTION REFRIGERATION SYSTEM USING SOLAR ENERGY	2013
Mechanical	Thermal/Solar	THEORITICAL AND EXPERIMENTAL ANALYSIS OF SOLAR STILL WITH ENERGY STORAGE MATERIALS	2013
Mechanical	Thermal/Solar	THERMAL MANAGEMENT OF NOZZLE OF FUSION DEPOSITION APPLICATIONS	2013
Mechanical	Thermo Acoustic Refrigerator	effect of stack position on temerature difference of thermoacoustic refrigerator	2012
Mechanical	Thermodynamic and Air Conditioning Experiment	EFFICIENCY ASSESMENT OF KEY PSYCHROMETRIC PROCESSES	2012
Mechanical	TPM	TOTAL PRODUCTIVE MAINTENANCE APPROACH TO IMPROVE OVERALL EQUIPMENT EFFECTIVENESS OF PA PLANT	2012
Mechanical	Tribology	Analysis of piston ring wear with the help of neural network	2012
Mechanical	Tribology	Modeling of Al <sub>2</sub> O <sub>3</sub> /Gr particles on wear properties for Aluminium hybrid metal matrix composite	2012
Mechanical	TRIBOLOGY	MODELLING OF WEAR PROPERTIES FOR INCONEL ALLOY	2013
Mechanical	TRIBOLOGY	EFFECT OF SURFACE ROUGHNESS ON WEAR IN PISTON RING OF AN IC ENGINE	2013
Mechanical	TRIBOLOGY	CALCULATION OF OIL FILM THICKNESS	2013
Mechanical	TRIBOLOGY	MODELLING OF WEAR IN PISTON RING OF I C ENGINE	2013
Mechanical	Tribology	INVESTIGATION OF EFFECTS OF NANO LUBRICANTS ON PERFORMANCE OF JOURNAL BEARING	2014
Mechanical	Turbo M/C , Fluid Dynamics	NON-DIMENSIONAL DESIGN AND NUMERICAL ANALYSIS OF CENTRIFUGAL COMPRESSOR FOR SMALL SCALE	2013
Mechanical	Turbo M/C , Fluid Dynamics	COMPUTATIONAL AND EXPERIMENTAL ANALYSIS ON BLADE CASCADE USING WIND TUNNEL	2013
Mechanical	Turbo M/C , Fluid Dynamics	ANALYSE THE EFFECT OF GUIDE VANE ON THE PERFORMANCE OF WELLS TURBINE.	2013
Mechanical	Turbo M/C , Fluid Dynamics	PERFORMANCE ANALYSIS OF CENTRIFUGAL PUMP BY MATHEMATICAL MODEL	2013

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Mechanical	Turbo M/C , Fluid Dynamics	EXPERIMENTAL INVESTIGATION OF EFFECT OF SPLITTER-BLADE ON THE PERFORMANCE OF CENTRIFUGAL PUMP	2013
Mechanical	VRF	c.i. engine fuelled	2012
Mechanical	VSM	An Application of Value Stream Mapping in Automotive Industry	2012
Mechanical	Wear & Friction	Dry Sliding Wear Analysis on Brass Using taguchi Technique	2012
Mechanical	Welding (Production)	Optimization of process parameter for SS304 pipe welding	2012
Mechanical	Welding -Mechanical Properties	Modeling & Simulation of FSW of AA 6082-T6	2012
Mechanical	Wind Energy	AERODYNAMIC PERFORMANCE EVALUATION OF STRAIGHT BLADE VERTICAL AXIS WIND TURBINE	2013
Mechanical	Wind Energy	DEVELOPEMENT OF VERTICAL AXIS WIND TURBINE	2013
Mechanical	Wire Cut EDM	WIREMATHEMATICAL MODELING OF PROCESS PARAMETERS IN WIRE CUT ELECTRICAL DISCHARGE MACHINING OF AISI D3	2012
Mechanical	Zero Head Turbine	theoretical and experiment investigation on zero head turbine for optimum design	2012
Mechanical		Performance and emission test of Allumina coated 4-stroke single cylinder SI Engine using LPG as Fuel	2012
Mechanical		Selection The CNC Machine Using The Axiomatic Principles	2012
Mechanical		ANALYSIS OF EFFECT OF ENERGY EFFICIENT LIMESTONE COATED WIREMESH CATALYTIC CONVERET ON EXHAUST GAS OF SINGLE CYLINDER C.I. ENGINE	2012
Mechanical		characterization of bone material using acoustics for micro machining	2012
Mechanical		Design and Automation of "back plug press fitting" process	2012