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## DESIGN AND LAYER, LINE, SURFACE LEVEL ANALYSIS

- VIKATMECH001** Thermal analysis of various duct cross sections M-modified
- VIKATMECH002** M-modified analysis of car chassis using ansys
- VIKATMECH003** Car crash analysis Thermal deformations
- VIKATMECH004** Modal analysis of a thermal power plant cooling tower M-modified
- VIKATMECH005** Design And Analysis Of A Leaf Spring different materials
- VIKATMECH006** Vibration analysis of a rotary compressor M-modified
- VIKATMECH007** Modeling And Analysis Of Domestic Wind Mill Turbine Blade Modified
- VIKATMECH008** Harmonic analysis of a rotary compressor mounting plate using FEA
- VIKATMECH009** Modeling And Analysis Of Jet Wind Turbine Blade
- VIKATMECH010** Design And Analysis Of M-modified Fins
- VIKATMECH011** Design and analysis of bearings high effective life  
Design And Analysis Of A Disc Brake friction reduced
- VIKATMECH012** Design And Analysis Of A Drum Brake friction reduced
- VIKATMECH013** Design And Analysis Of A Connecting Rod With Different Materials
- VIKATMECH014** Thermal Analysis Of An Oil Sump M-modified

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- VIKATMECH015** Results of Thermal Analysis on Fiber Reinforced Plastic Matrix Composite Materials
- VIKATMECH016** Design and structural and modal analysis of friction clutch plate by changing circle diameter
- VIKATMECH017** Design And Analysis Of Shock Absorber Piston modified
- VIKATMECH018** Modeling And Analysis Of Fins Of Two Stage Reciprocating Compressor
- VIKATMECH019** Design and Analysis of Helical spring different coil size in single spring suspension systems
- VIKATMECH020** Aerodynamic Design And Analysis Of using CFT for high efficient Nose Cone section
- VIKATMECH021** Design and Analysis of High strengthen Crane hook Modified
- VIKATMECH022** Design and Analysis of wind turbine with Fabrication/ Modified analysis output
- VIKATMECH023** Design and Analysis of piston(thermal & Structure )
- VIKATMECH024** Speed brake e-power generate component analysis
- VIKATMECH025** Stress & deflection analysis of horizontal pressure vessel with different dished end using fem
- VIKATMECH026** Investigation of thermal field in friction surfacing
- VIKATMECH027** Analyzing the internal cooling system of industrial gas turbine using ansys

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- VIKATMECH028** Design and analysis of engine inlet manifold
- VIKATMECH029** Computational study on super critical airfoil
- VIKATMECH030** Optimization flow analysis of supersonic nozzle using “cfd”
- VIKATMECH031** Design & analysis considerations of connecting rod, piston & gudgeon pin in reciprocating air compressor
- VIKATMECH032** Design & cfd analysis of steam generator old title – coupled field analysis of steam generator)
- VIKATMECH033** Designing of piston and analysis with different materials subjected to thermal analysis
- VIKATMECH034** Boiler burner and fuel firing system M-modified
- VIKATMECH035** Thermal analysis of combustion outer case for turbo engine
- VIKATMECH036** Design analysis of casing engine M-modified
- VIKATMECH037** Design and analysis of solar panel supporting structure in wind effect Shape
- VIKATMECH038** Design and analysis of flywheel in petrol engine
- VIKATMECH039** Designing of analysis piston M-modified
- VIKATMECH040** Design and analysis for cylinder fins M-modified
- VIKATMECH041** Design and analysis of connecting rod using different materials with shape
- VIKATMECH042** Design and analysis of cylinder and cylinder head of 6 -stroke si engine for weight reduction

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- VIKATMECH043** Harmonic analysis of friction material of a clutch plate
- VIKATMECH044** Finite element analysis of micro end mill and simulation of burr formation in machining
- VIKATMECH045** Fatigue analysis of welded joint by varying weld bead size
- VIKATMECH046** Investigation of thermal field in friction surfacing coating
- VIKATMECH047** Friction stir welding of dissimilar materials statistical analysis of the welding data
- VIKATMECH048** Calculation of coefficient of discharge of orifice plate and flow nozzle using cfd analysis
- VIKATMECH049** Design of an pelton turbine bucket using finite element analysis
- VIKATMECH050** Design and analysis of multi layer pressure vessel for marine
- VIKATMECH051** Design of an axial flow turbocharger using finite element analysis
- VIKATMECH052** Finite element analysis to determine damping properties of high strength aluminum a356 alloy composite
- VIKATMECH053** Fatigue analysis of welded joint by varying weld bead size and speed
- VIKATMECH054** Calculation of coefficient of discharge of orifice plate and flow nozzle using cfd analysis
- VIKATMECH055** Friction stir welding of dissimilar materials statistical analysis of the welding data

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- VIKATMECH056** Rotational movement and feed motion of face mill cutter M-Modified
- VIKATMECH057** Structural and thermal analysis of cylindrical milling cutter M-modified
- VIKATMECH058** Surface-drilling and structural analysis of dth drill bit M-modified
- VIKATMECH059** Structural and thermal analysis of single point cutting tool M-modified
- VIKATMECH060** Transient thermal analysis of cylinder fins Air cap
- VIKATMECH061** Spot Weld Model For Automotive FEM Crash Simulations Limits
- VIKATMECH062** Investigation of thermal field in friction surfacing M-modified
- VIKATMECH063** Design and Analysis of Collective Bell Control Used For Helicopte
- VIKATMECH064** Design and Analysis of Aircraft Fuselage Semimonocoque Structure
- VIKATMECH065** Design and Analysis of Aircraft Truss Using Ansys
- VIKATMECH066** Design Of Helicopter's Co-Axial Rotar Using Catia V5
- VIKATMECH067** Structural and vibration analysis of delaminated composite beams
- VIKATMECH068** Stress analysis of functionally graded discs under mechanical and thermal loads
- VIKATMECH069** Shape optimization and dynamic analysis of mechanical loader arm
- VIKATMECH070** Optimization of high speed turning parameters of super alloy inconel 718 m aterial using taguchi technique

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- VIKATMECH071** Minimization of sink mark defects in injection molding process  
Optimization of a composite drive shaft used in automobiles
- VIKATMECH072** Mechanical properties of friction Stir butt-welded al7475& plate
- VIKATMECH073** Influence of cutting parameters on thrust force and torque in drilling
- VIKATMECH074** Impact of misalignment's on root stresses of hypoid gear sets M-modified
- VIKATMECH075** Finite element analysis of the effect of motorcycle helmet materials against impact velocity
- VIKATMECH076** Failure analysis of single bolted joints under various loads in composite materials
- VIKATMECH077** Analysis Effect of Tyre overload and inflation pressure on rolling loss (resistance) and fuel consumption concepts of automobile cars
- VIKATMECH078** Effect of orientation angle of elliptical hole in thermoplastic composite plate at different loads
- VIKATMECH079** Dynamic analysis of cracks in composite material properties modified
- VIKATMECH080** Design and optimization of axial flow compressor M-modified
- VIKATMECH081** Composite material analysis of axial flow fans shape modified
- VIKATMECH082** Fatigue analysis and design optimization of excavator bucket
- VIKATMECH083** Design and analysis of honey comb structures with different cases

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- VIKATMECH084** Design and analysis of a free standing i beam jib crane
- VIKATMECH085** Design and analysis of automotive shackle
- VIKATMECH086** Design And Analysis Of Rear Wheel Hub & Steering Knuckle
- VIKATMECH087** Design And Impact Analysis On A Frameless Chassis Construction Of Volvo Bus For Different Speeds
- VIKATMECH088** Coupled Field Analysis Of A Chimney Used In Cement Industry
- VIKATMECH089** Design And Analysis Of An Alloy Wheel
- VIKATMECH090** Product Development By Reverse Engineering By Using Repeat.
- VIKATMECH091** Design And Weight Optimization Of A Oil Pan
- VIKATMECH092** Design And Analysis Of Washing Machine Drum
- VIKATMECH093** Design And Analysis Of Crank Shaft
- VIKATMECH094** Design And Analysis Of Piston Using Composite Materials Like Al-Mg
- VIKATMECH095** Design And Analysis Of A Ventilated And Slotted Disc Brake
- VIKATMECH096** Design And Analysis Of A Flange Coupling In Power Transmission
- VIKATMECH097** Design And Analysis Of A Automobile Frame
- VIKATMECH098** Structural analysis of a flat bed trailer
- VIKATMECH099** Optimum design and analysis of composite drive shaft

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- VIKATMECH100** Static and dynamic analysis of a refrigerator compressor crank shaft
- VIKATMECH101** Static and thermal analysis of a cylinder head
- VIKATMECH102** Modal and static analysis of a muffler guard
- VIKATMECH103** Design and analysis of a swinging jaw plates of a single toggle jaw crusher
- VIKATMECH104** Modeling And Analysis Of An Automobile Radiator
- VIKATMECH105** Modeling And Analysis Of Camshaft Using Composite Materials
- VIKATMECH106** Modeling And Analysis Of Pelton Wheel Bucket
- VIKATMECH107** Modeling And Analysis Of Scissor Jack
- VIKATMECH108** Structural and vibration analysis of delaminated composite beams
- VIKATMECH109** Design and analysis of rail wheel
- VIKATMECH110** Design And Analysis Of A Gas Turbine Rotor Blade
- VIKATMECH111** Design And Analysis Of A Marine Propeller
- VIKATMECH112** Design And Simulation Of A DTH Drill Bit
- VIKATMECH113** Design And Analysis Of An RC Engine
- VIKATMECH114** Modeling And Analysis Of A Differential Gear Mechanism

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## Design and Dynamic Simulation Mechanism Models 1-1500

- VIKATMECH115** Design and dynamic simulation and Analysis for Couplings mechanism
- VIKATMECH116** Design and dynamic simulation and Analysis for Clutches
- VIKATMECH117** Design and dynamic simulation and Analysis for Two way clutches,
- VIKATMECH118** Design and dynamic simulation and Analysis for One way clutches
- VIKATMECH119** Design and dynamic simulation and Analysis for Reverse clutches
- VIKATMECH120** Design and dynamic simulation and Analysis for Overrunning clutches
- VIKATMECH121** Design and dynamic simulation and Analysis for Spur gears
- VIKATMECH122** Design and dynamic simulation and Analysis for Bevel gears
- VIKATMECH123** Design and dynamic simulation and Analysis for Worm gears
- VIKATMECH124** Design and dynamic simulation and Analysis for Pin gears
- VIKATMECH125** Design and dynamic simulation and Analysis for Face gears
- VIKATMECH126** Design and dynamic simulation and Analysis for Archimedean spiral gears
- VIKATMECH127** Design and dynamic simulation and Analysis for Friction drives
- VIKATMECH128** Design and dynamic simulation and Analysis for Chain drives
- VIKATMECH129** Design and dynamic simulation and Analysis for Bar drives

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- VIKATMECH130** Design and dynamic simulation and Analysis for Cam drives
- VIKATMECH131** Design and dynamic simulation and Analysis for Belt drives
- VIKATMECH132** Design and dynamic simulation and Analysis for Transmission to two parallel shafts with adjustable axle distance
- VIKATMECH133** Design and dynamic simulation and Analysis for Transmission to two coaxial shafts
- VIKATMECH134** Design and dynamic simulation and Analysis for Rotation limitation
- VIKATMECH135** Design and dynamic simulation and Analysis for Car differentials
- VIKATMECH136** Design and dynamic simulation and Analysis for Variators (continuously variable transmission)
- VIKATMECH137** Design and dynamic simulation and Analysis for Mechanisms for gear shifting
- VIKATMECH138** Design and dynamic simulation and Analysis for Transmission of continuous rotation
- VIKATMECH139** Design and dynamic simulation and Analysis for kinematics of motion transmission
- VIKATMECH140** Design and simulation Analysis for dynamic of transmission

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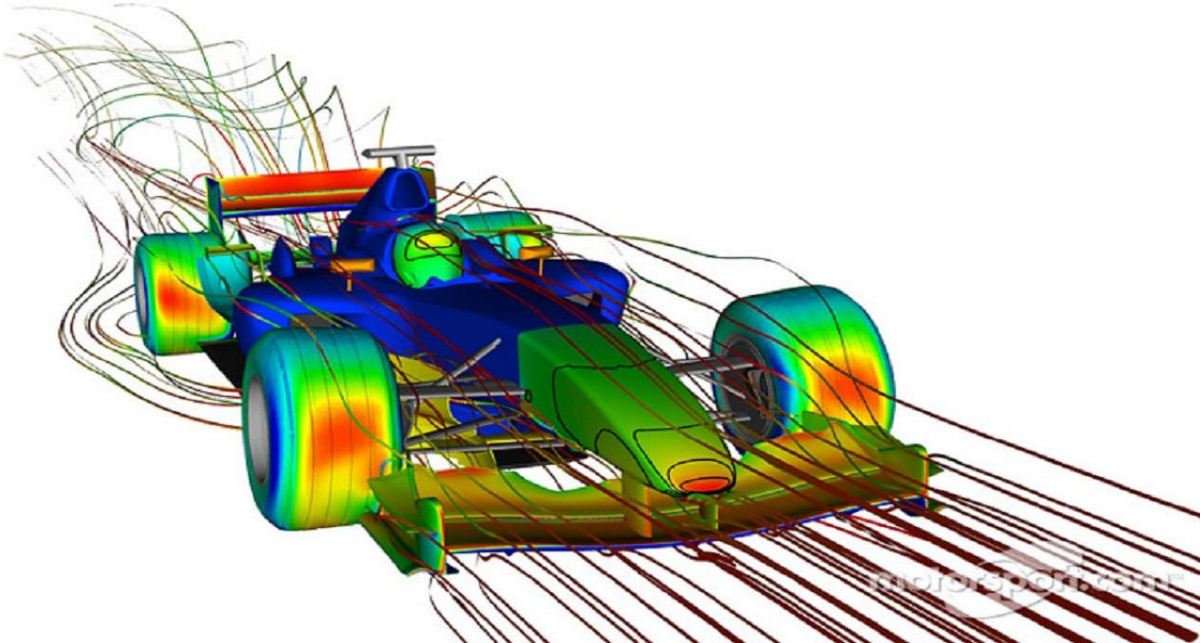
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