

## CHENNAI-PONDICHERRY

### INNOVATIVE TITLES 2020-2021

#### CAD/CAM

1. Design and thermal analysis of coated and uncoated exhaust manifold.
2. Inter laboratory tests on polymer thermal analysis
3. thermal analysis of glass fiber reinforced polymer rebars
4. An analysis of thermal auto fret age process with heat treatment
5. Quantification of iron in aluminium-silicon foundry alloys via thermal analysis
6. Cast iron melting and solidification studies by advanced thermal analysis
7. Three-Phase Linear Motor Heat Transfer Analysis Using the Finite-Element Method
8. analysis of creep effects on the residual stress in scs-6ti-6al-4v composites using fem
9. Thermal Interfaces by Higher-Order Poly tope FEM
10. Thermal and Ballistic Dynamic Analyses for Gun Ceramic Nozzles
11. Thermo-Mechanical Model and Thermal Analysis of Hollow Cylinder Planetary Roller Screw Mechanism
12. Thermal mechanical analysis of novel Ceramic-TSOP using nonlinear finite element method
13. Electro-deposition of graphene nano platelets on CPU cooler—experimental and numerical investigation
14. Development of solver system for FEM analysis of solder joints
15. Response of composite plates with random material properties using FEM and Monte Carlo simulation
16. Effect of ZnO-PCL Nano composite Thickness on Attenuation in a Rectangular Waveguide at Microwave Frequency using FEM
17. Vibration Analysis of Multiple Delaminated Composite Beams
18. Mechanical performance of Buckminster fullerene-reinforced composite with interface defects using finite element method through homogenization techniques
19. Thermo elastic Vibration Analysis of Laminated Doubly Curved Shallow Panels Using Non-Linear FEM
20. Stress Intensity Factors around Two Coaxial Cylindrical Cracks in Composite Materials
21. Visco-plastic analysis of adhesively bonded joints in composite materials
22. Numerical and Analytical Approaches for Calculating the Effective Thermo-Mechanical Properties of Three-Phase Composites
23. Homogenization of partial de bond effect on the effective thermal conductivities of FRP composite using finite element analysis
24. Vibration Analysis of a Rotating FGM Thermo elastic Ax symmetric Circular Disk Using FEM
25. Free vibration analysis of Stiffened Laminated Plate using FEM
26. FEM analysis on the deformation and failure of fiber reinforced metallic glass matrix composite
27. Harmonic analysis of stiffened functionally graded plate using FEM
28. Multi scale 3D mixed FEM analysis of historical masonry constructions
29. Design of composite structures reinforced curvilinear fibers using FEM
30. Analysis of microstructure damage in carbon epoxy composites using FEM
31. Transient thermal conduction in rectangular fiber reinforced composite laminate
32. Analysis of Stress Control on 33-kV Non-ceramic Insulators Using Finite-element Method
33. Finite Element Analysis of Thermal Buckling of Rectangular Laminated Composite Plates with Circular Cut-Out

### CHENNAI-PONDICHERRY

34. Testing of mechanical properties of thick-walled carbon fiber composite for FEM simulations
35. Multi scale composite FEM modeling
36. Investigation on buckling response of the aircraft's wing using finite-element method
37. Thermal and static analysis on IC Engine Piston using FEA
38. Design and analysis of cam shaft
39. Thermal analysis of Al6063 & SiC with Various compositions
40. Design and analysis of car bumper using ABS plastic and Polyether Amide
41. Design and analysis of Piston by composites (Al & Mg)
42. Evaluation of heat transfer rate and their effects in spherical pressure vessel
43. Design and analysis of connecting rod using composites Al & SiC
44. Design and comparative analysis of Engine Valve
45. Analysis of Automobile Frame
46. Design and analysis of two wheeler rim in composites Al and flyash
47. Design and analysis of Helical gear
48. Design and analysis of side plate of hydraulic press brake
49. Design and analysis of multi section fin
50. Design and analysis of Composite leaf spring
51. Design and analysis of vehicle front axle

### CAE – STRUCTURAL

1. 3D modeling and analysis of micro gas turbine compressor blade
2. 3d thermal analysis of liquid propellant rocket with bell nozzle
3. Analysis of a thin and thick walled pressure vessel for different materials
4. Analysis of adhesively bonded single lap riveted joint using SOFTWARE
5. Analysis of Cam shaft using composite material
6. Analysis of Composite material For Al-Magnesium Analysis
7. Analysis of connecting rod using composite material.
8. Analysis of crane hook with different cross section.
9. Analysis of Eddy Current Braking
10. Analysis of Electricity production mechanical system
11. Analysis of Electro Mechanical Ladder.
12. Analysis of failure mechanism of 90° pipe elbow with in-plane and out-of plane loading
13. Analysis of FRP composite cylinders
14. Analysis of Graphite Reinforced Aluminum Piston.
15. Analysis of helical coil compression spring for three wheeler automotive front suspension
16. Analysis of Impeller using Aluminum Composite
17. Analysis of manual bending condenser tube.
18. Analysis of Noise Reduction in Rotor Blade by Using Composite Material
19. Analysis of piston using AL-SiC-TiB<sub>2</sub> Metal matrix composite.
20. Analysis of Roll Bending Of Half Ring of Gas Turbine.
21. Analysis of Spur Gear -Al-Si-SiC-Mg.
22. Analysis of triangular air compressor with common combustion chamber
23. Analysis of windmill blade by using composite material
24. Comparative analysis of tractor trolley axle by using FEA (by considering change in materials existing shape and size)

**CHENNAI-PONDICHERRY**

25. Design & Analysis of Auto Tilting Mechanism in CAR
26. Design & Analysis of Coil Spring with different materials
27. Design & analysis of composite gearwheel
28. Design & Analysis of Composite Leaf Spring
29. Design & Analysis of Connecting Rod using Aluminum silicon carbide
30. Design & analysis of domestic wind mill blades
31. Design & Analysis of Hybrid Magnetic Bearing
32. Design & analysis of mechanical locking system for fuel flap
33. Design & Analysis of Piston by using Composite Materials Aluminum & magnesium
34. Design & Analysis of Piston by using Composite Materials Aluminum & magnesium
35. Design & Analysis of Poppet valve using composite
36. Design & Analysis of Quick Lifting Jack with Gear Arrangement
37. Design & Analysis of Reverse Differential Locking System
38. Design & Analysis of Screw Engine
39. Design & Analysis of Special Purpose Lifting Equipment
40. Design & Analysis of Splines Elimination of Starter Motor Shaft
41. Design & Analysis of Sterling Engine
42. Design & Analysis of Super charging an Engine using Vehicle Suspension
43. Design & Analysis of Support Platform for small form factor PC in ruggedness testing environment
44. Design & Analysis of Vacuum Assisted Wall Climber
45. Design & Analysis of Vacuum Assisted Wall Climber
46. Design & Analysis of a Circular and Square Shaped Piston Head.
47. Design and analysis of a hydraulic die ejector for a powder metallurgy component
48. Design and Analysis of a Pushrod Suspension System for a Formula Racing Car.
49. Design and Analysis of Aluminum & Copper Connecting rod
50. Design and analysis of automobile frame
51. Design and analysis of cam shaft.
52. Design and analysis of composite brake pedal: an ergonomic approach
53. Design and Analysis of Composite Helical Gear
54. Design and analysis of composite helical gear
55. Design and analysis of composite over bridge coupling
56. Design and Analysis of Connecting Rod Using Al-Sic.
57. Design and Analysis of connecting rod using Aluminum alloy 7068 t6, t6511
58. Design and Analysis of connecting rod using different materials.
59. Design and Analysis of crane hook assembly
60. Design and Analysis of disappearing car door
61. Design and Analysis of Dumped Body
62. Design and Analysis of Electromagnetic Engine
63. Design and Analysis of electromagnetic suspension system
64. Design and Analysis of helical spring with shock absorber
65. Design and Analysis of I.C engine piston and piston-ring using SOFTWARE and software
66. Design and Analysis of Industrial Pneumatic Trolley
67. Design and Analysis of Jet Wind Turbine Blades
68. Design and Analysis of Piston by Composite Materials
69. Design and Analysis of rocker arm using composite material
70. Design and Analysis of scissor jack
71. Design and Analysis of Side Plate of Hydraulic Press Brake Using Software.
72. Design and Analysis of Sports Utility Vehicles Chassis and Its Passenger Cabin Cavity.

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73. Design and Analysis of the Windmill by the Composite Material
74. Design and Analysis of three axis hydraulic modern trailer
75. Design and Analysis of wind car
76. Design and finite element analysis of scissor lift using SOFTWARE
77. Design and material optimization of leaf spring using FEA.
78. Design and Optimization of Scissor Jack.
79. Design and stress analysis of four-post rollover protective structure of agricultural-wheeled tractor
80. Design and Structural Analysis of Heavy Duty Vehicle Front Axle.
81. Design modification and justification of Propeller shaft using SOFTWARE.
82. Design, Animation & Analysis of Agricultural Chipper
83. Design, Animation & Analysis of Hybrid Air Engine
84. Design, Animation & Analysis of Shredding, Chipping and Murching
85. Design, Animation & Analysis of Suspension Steering System
86. Design, modeling and analysis of a 3 stage Epicyclic planetary reduction gear unit of a flight vehicle
87. Dynamic balancing of rotor
88. Experiment In Laser Cutting Machining In Aluminum Silicon Composite Material.
89. Experiment In Laser Cutting Machining In Aluminums Silicon Composite Material.
90. Experimental Investigation and Analysis of Piston by Using Hybrid Metal Matrix.
91. Failure Analysis and optimization of Planner machine horizontal Mechanism
92. Fatigue analysis of aluminum alloy wheel under radial load
93. FEM analysis of dynamic flexural behavior of composite sandwich beams with foam core.
94. Finite element analysis and natural frequency optimization of engine bracket
95. Finite element analysis and optimization of piston using CAE tools
96. Finite Element Analysis of Bus Body Structure
97. Finite Element Analysis of connecting rod using material and structural parametric condition.
98. Finite Element Analysis of Knuckle Joint Pin.
99. Finite Element Analysis of normal and vented disc brake rotor
100. Finite Element Analysis of Nozzle for Vertical Pressure Vessel.
101. Finite Element Analysis of optimized compound cylinder.
102. Finite Element Analysis of spur gear by varying material.
103. Finite Element Analysis of the classic bicycle wheel
104. Force Analysis of Metal Sheet in Bending Operation on Sheet Bending Machine.
105. Heat Insulation Analysis of an Aluminum Honey comb Sandwich Structure.
106. Impact Analysis on Front Sub Frame System Using Composite Material
107. Increasing the operating life of two wheeler suspension using SOFTWARE.
108. Material and shape optimization of crane hook using FEA.
109. Material optimization analysis of leaf spring using SOFTWARE.
110. Modeling & Analysis of Leaf spring under dynamic load condition for Tata sumo
111. Modeling & Analysis of Motorized Screw Jack
112. Modeling & Analysis of Suspension Steering System
113. Modeling & Analysis Solar Assisted Air Dryer
114. Modeling & Structural Analysis of Piston by using Mg-Sic
115. Modeling & structural analysis of rear axle casing of tractor
116. Modeling and analysis of a motorcycle wheel rim
117. Modeling and analysis of automobile chassis brackets
118. Modeling and analysis of bicycle frame
119. Modeling and Analysis of drum brake
120. Modeling and Analysis of Screw Engine

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121. Modeling and Analysis of Water Tank Stand.
122. Modeling and simulation of sing learn robot
123. Modeling and squeal analysis of brake disc rotor using SOFTWARE
124. Modeling and Stress Analysis of Composite Material for Spur Gear under Static Loading Condition.
125. Modeling and structural analysis on flight wing by using SOFTWARE
126. Modeling, Analysis of Tri Axial Tipper(different angle)
127. Multipurpose Agricultural Machinery Dynamic Analysis forShaft
128. PerformanceofFEAAnalysisandComparisonbetweenBonded,Riveted&HybridJoint
129. Productivity Improvement by automatic lifting
130. Redesign of bead extruder head assembly(Analysis)
131. SelectionandanalysisofthelandinggearforunmannedaerialvehicleforSAEaerodesignseries
132. Single Acting Piston Pump Using Oscillating Motion.
133. Static and Dynamic Analysis of Composite Rotor Blade.
134. Static and dynamic analysis of spur gear using different non-metallic materials.
135. Static and vibration analysis of shock absorber.
136. Static and Vibration Analyzing Shock Absorber Power Generation Using Piezo Electric
137. Stress analysis of mechanisms for trolley-cum-wheelchair
138. Stress analysis of seat backrest of car
139. Stress Analysis of Washing Machine Drum
140. Structural analysis of an exhaust manifold of a multi cylinder engine
141. StructuralAnalysisofAutomotiveChassisFrameandDesignModificationforWeightReduction.
142. Structural Analysis of Car alloy wheel using Aluminum and magnesium Alloys.
143. Structural analysis of heavy vehicle chassis using honeycomb structure
144. Structural Analysis of Leaf Spring Using Composite Material.
145. Structural Analysis of Rivet Joint
146. Structural Analysis of Steering Yoke fan Automobile.
147. Structural and Material optimization of house hold chairs using SOFTWARE.
148. Structural and Thermal analysis of Disk Brake rotor disk.
149. Studies on Friction Stir WeldingAA2024&AA6061
150. Study and analysis o fair craft fusel age body structure by using composite material
151. Study of wear behavior of aluminum based composite fabricated by stir casting technique
152. Thermal &Static Analysis on Ic Engine Piston Using FEA.
153. Thermal Analysis on Composite Materials
154. Transient analysis of disk brake by using software
155. Tri biological analysis on Disc Brake Pad
156. Vertical material handling system
157. Vibration analysis of engine mounting bracket.
158. Vibration analysis of leaf spring
159. Vibration and Crash Analysis of Car Body Using SOFTWARE.
160. Wear rate analysis of Nano coated cutting tools
161. Weight Reduction and Analysis of Trolley Axle Using Software

**CAE- THERMAL**

1. 3D thermal analysis of liquid propellant rocket with bell nozzle
2. Analysis of Heat Pipe for face mill cutter
3. Analysis of Nano fluid in Heat Exchanger
4. Analysis of Square and Circular Perforated Fin Arrays by Forced Convection.

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5. Calculating heat transfer rate of cylinder fin body by varying geometry and material
6. Design & Analysis of Fins with Various Configurations
7. Enhanced thermal conductivity of epoxy matrix composites filled with boron nitride particles

**M-BOTS**

## CHENNAI-PONDICHERRY

8. Evaluation of Heat Transfer Rate and Their Effects in Spherical Pressure Vessels Subjected to Internal Pressure.
9. Heat Insulation Analysis of an Aluminum Honey comb Sandwich Structure.
10. Steady-state thermal stress analysis of gear box casing by finite element method
11. Thermal analysis Al 6063 and Sic with various compositions.
12. Thermal Analysis of Al6063 & Sic with various compositions
13. Thermal analysis of an exhaust manifold of a multi cylinder engine
14. Thermal analysis of composite piston
15. Thermal analysis of cylinder head gasket
16. Thermal analysis of Disk Brake rotor disk.
17. Thermal analysis of heat pipe and its applications
18. Thermal analysis of Manganese Bakelite composites
19. Thermal analysis of steam turbine
20. Thermal and structural analysis of vented and normal disc brake rotors

## CFD ANALYSIS

1. Aero dynamic flow control studies of a wall jet using Triple Deck Theory (TDT)
2. Aero dynamic design for cars
3. Aerodynamics of the New concept & Helps in Reducing the Design Cycle
4. Analysis of buffeting of aircraft wing using FEM
5. Analysis of Impeller using Aluminum Composite (CFD)
6. Analysis Of Thermal Distribution In Radiator Using CFD
7. CFD Analysis for a Mini Heat Exchanger
8. CFD Analysis for Centrifuge Casting.
9. CFD Analysis for Circular 3D Nozzle.
10. CFD Analysis for flow through Chimney
11. CFD Analysis for Intake and Exhaust Manifold.
12. CFD Analysis for Nozzle with Grooves Design & Analysis of Pressure Vessels as per ASME FEA
13. CFD Analysis for Silencer with different shapes of Perforations.
14. CFD Analysis for T-Joint
15. CFD analysis of a Helical baffled Shell and Tube Heat Exchanger
16. CFD analysis of aerodynamic drags reduction and improves fuel economy
17. CFD analysis of aerodynamics drags reduction and improves fuel economy.
18. CFD Analysis of aerofoil in a single seat car
19. CFD analysis of airfoil. Iterate for different angle of attack. Investigate multi-element designs.
20. CFD analysis of an RC aircraft wing
21. CFD Analysis of Automobile Radiator
22. CFD Analysis of Automobile Radiator
23. CFD Analysis of Cooling from Exhaust Using Vortex Tube
24. CFD analysis of enhancement of heat transfer coefficient by using permeable fins.
25. CFD Analysis of Enhancement of heat transfer coefficient by using permeable fins (Natural Convection)
26. CFD Analysis Of Fin With Hole And Without hole
27. CFD Analysis of Flow through Venture of a Carburetor
28. CFD Analysis of Modified Vortex Tube Refrigeration in Automobiles
29. CFD Analysis of Power Plant Vent Silencer.

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30. CFD analysis of rocket nozzle
31. CFD analysis of rocket nozzle
32. CFD Analysis of Screw Shaft Engine
33. CFD analysis of thrust vectoring nozzle
34. CFD design study of a circulation control inlet guide vane of an aerofoil
35. CFD on different passages over a plate coil evaporator for 40 liter storage type water cooler
36. CFD Optimization of Compressor blade for axial spacing.
37. CFD Simulation of Centrifugal Pump Impeller Using SOFTWARE
38. CFD simulation of injection mixer for CNG engines
39. CFD Simulations to Examine Natural Ventilation of a class room in a building
40. CFD studies on flow over wing with and without de-icing
41. Computational analysis for heat transfer through fins with different types of notches
42. Computational analysis of Catalytic converter-CFD
43. Computational analysis of centrifugal compressor with grooves on casing
44. Computational analysis of intake manifold design of diesel engine for light commercial vehicle.
45. Computational analysis of intake manifold in Diesel engine CFD
46. Computational fluid dynamics (CFD) analysis of intermediate pressure steam turbine
47. Computational fluid dynamics approach for prediction of cyclone separator pressure drop
48. Computational study of turbo fan inlets.
49. Conceptual design for two seater single engine airplane
50. Design & Analysis of Aero spike nozzle for an air augmented rocket engine
51. Design & CFD Analysis of Modified Screw Engine
52. Design & CFD simulation of Axial Flow compressor
53. Design & CFD simulation of Ramjet
54. Design & CFD simulation of Scram jet Engine.
55. Design & CFD simulation of wind tunnel
56. Design and Analysis Of A Ceramic Heat-Exchanger Using Cfd Simulations
57. Design and Analysis of a high thrust parabolic nozzle using method of characteristic and CFD.
58. Design And Analysis of Aero spike Nozzle For Air Augmented Rocket
59. Design and Analysis of oscillating ball throwing machine
60. Design and Analysis of scramjet combustion chamber.
61. Design and development of one kg unmanned aerial vehicle.
62. Design of a high performance swept wing using CFD
63. Design of a jet powered UAV.
64. Design of cross flow injection system to enhance mixing in a supersonic flow
65. Design of helmet for bicyclist racer for minimum drag using CFD simulation. Just start with 2D simulations. Will be difficult to code for 3D.
66. Design Optimization (CFD) of Aircraft Wings.
67. Drag reduction of an air craft after body using passive devices Experimental and numerical studies
68. Effect of twisted-tape inserts on heat transfer in a tube
69. Effects of leading edge blowing on transonic flow over open cavity
70. Experimental evaluation of a MAV wing using subsonic wind tunnel
71. Experimental Investigation of Flow Mal distribution in Microchannels.
72. Experimental studies on mixing in concurrent cold jets.
73. FEA Structural analysis of a high performance wing.
74. Flow analysis through a car body to estimate the drag characteristics by using CFD.



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75. Flow Simulation on Nose cone Re-entry vehicle-CFD.
76. Fluid flow and temperature distribution in radiators use in automobiles
77. Fluid structure interaction studied at wing body junction
78. Investigation on the effect of splitter plate to enhance characteristics of flow around cylinder.
79. Load Estimation of a Helicopter blade using CFD
80. Measuring Lift & Drag Forces for a Flow Over Formula 1 Cars Rear Wing
81. Modeling and analysis of car wash on the go.
82. Modeling, Animation & CFD Analysis of wash on the go
83. Nodal analysis of a control surface using FEM.
84. Numerical evaluation of flow over blunt body with mass addition in a hypersonic flow.
85. Numerical optimization of airfoils for a high performance low speed aircraft.
86. Performance Analysis of Centrifugal Impeller of Various Designs and Validation of Results by CFD
87. Performance Evaluation of Heat-Sink With Pin-Fins of Varying Configurations Using Cfd Simulations
88. Predicting performance of radial flow type impeller of centrifugal pump using CFD
89. Shell And Tube Heat Exchanger Design Using CFD Tools
90. Shock boundary layer interaction studies using CFD
91. To conduct the performance on chiller unit by using Nanofluid cooled condenser
92. Understanding the flow physics of Cascade blades
93. Using Lumped vortex element (LVM) method to predict the aerodynamic performance of an airfoil
94. Validation of plate heat exchanger design using CFD
95. Winglet Design validation- CFD

**INDUSTRIAL PRODUCT IMPROVEMENT**

1. Productivity improvement by Turn Table drilling special Purpose Machine
2. Productivity improvement by Horizontal Slotting Special Purpose Machine
3. Productivity improvement by Vertical Punching Special Purpose Machine
4. Productivity improvement by Horizontal Milling Special Purpose Machine
5. Productivity improvement by Automatic Holding Special Purpose Machine
6. Productivity improvement by Robotic clamping method
7. Productivity improvement by Vertical Milling Special Purpose Machine
8. Productivity improvement by Heavy loaded Component Automatic Clamp Special Purpose Machine
9. Productivity improvement by automatic inspection machine
10. Productivity improvement by Horizontal Clearance Checking Special Purpose Machine
11. Productivity improvement by automatic cutting machine
12. Productivity improvement by Vertical Clearance Checking Special Purpose Machine
13. Productivity improvement by mistake proof method
14. Productivity improvement by automatic lifting
15. Productivity improvement by Horizontal Drilling Special Purpose Machine
16. Productivity improvement by Horizontal Turning Special Purpose Machine
17. Productivity improvement by Horizontal Punching Special Purpose Machine
18. Productivity improvement by Horizontal Reaming Special Purpose Machine
19. Productivity improvement by Automatic threading machine
20. Productivity improvement by automatic component forming machine
21. Productivity improvement by pool proof method

## CHENNAI-PONDICHERRY

22. ProductivityimprovementbyPrecisionComponentAutomaticClampSpecialPurpose Machine
23. Productivityimprovement byVertical DrillingSpecial PurposeMachine
24. Productivityimprovement byautomaticconveyor
25. Productivityimprovement byVertical TurningSpecial PurposeMachine
26. Productivityimprovement byNumber Stamping Special PurposeMachine
27. Productivityimprovement byVertical ReamingSpecial PurposeMachine
28. Productivityimprovement byAutomatic Grindingmachine
29. Powerful tool to improveproductivity
30. Productivityimprovement byautomatic weightQCmachine

## DESIGN,MODELINGANDANIMATION

1. DesignofHybridAirEngine
2. Design&Animation ofWind Mill with DiffuserChamber&Tail
3. Design&Animation ofTilting Three Wheelerwith a HybridSystem
4. Design&Animation ofStep ClimberwithLevelingUnit
5. Design&Animation forMulti-PurposeAgro machine
6. DesignandanimationofSolarWaterPurifierUsingThermalMethodParabolicDiscType
7. Design &Animation of Joystick Controlled Car Mechanism for PhysicallyHandicappedPerson
8. DesignofPumpedStorage Micro Hydro Power Plant
9. Design&Animation ofAuto PneumaticDiscBreakingSystem
10. Design&Animation ofElectroMagnetic Suspension
11. Design&AnimationofButtonOperatedElectroMagneticGearShiftingSystemforTwo Wheeler
12. Design&Animation of Auto IndexingGearCutting Attachmentfor PneumaticShapingM/C
13. Design&Animation ofCompressedAirEngine
14. Design&Animation of rubber tappingmachine
15. Design&Animation ofAssistiveLimb technologyFor Physically.Challenged People
16. Design&AnimationofRailwayAccidentAvoidingSystem(LevelCrosier&FireAlarm)
17. Design&Animation ofRemote ControlledBombDetectingRobot
18. Design&Animation ofSolarAir CoolerCum Heater
19. Design&Animation ofPendulumBased Water PumpingSystem
20. Design&Animation ofHybridTwoWheeler
21. Designandanimation ofmultipurpose liveroperatedhandicappedwheel chair
22. Designandanimation offour In 1 AirConditioner
23. Designandanimationof PowerGenerationfrom StaircaseUsing Rack &Pinionmechanism
24. Design&Animation ofRefrigeration UsingExhaust Heatfrom Engine
25. Design&Animation ofElectroMagneticEngine
26. Modelinganimation ofself-balancingvehicle
27. Modelinganimation ofViolent elephant controllingmechanism
28. Modelinganimation of Cricket ball shooterfor armatures
29. Modelinganimation ofFlappingwinguav bionicbird model
30. Modelinganimation ofSmart blind stick wheel base
31. Modelinganimation of Calendarmachine
32. Design&Animation of 2-Jaw ParallelGripper
33. Modelinganimation ofcoin separator

**CHENNAI-PONDICHERRY**

34. Modeling animation of Coconut tree climbing robot
35. Modeling animation of Multipurpose pneumatic crushing machine
36. Modeling animation of biomass Gasifier with power generation
37. Modeling animation of Dual side water pumping system by using scotch yoke mechanism
38. Modeling animation of a low cost surface finishing machine
39. Modeling animation of Airborne wind turbine energy system
40. Modeling animation of Pneumatic brick handling machine
41. Modeling animation of Fruit ripening for farmers
42. Modeling animation of Scale removal device for borewell piper and hoses
43. Modeling animation of Stroke therapy chair
44. Modeling animation of Coconut grater and milk extraction machine
45. Modeling animation of Tilt and roll bed
46. Modeling animation of Pneumatic automatic gear changer-
47. Modeling animation of Gradoputer-hovercraft
48. Modeling animation of standing wheel chair
49. Modeling animation of Swing electricity generation system
50. Modeling animation of Stewarts platform
51. Modeling animation of rotating vice in milling machine
52. Modeling animation of Brick handling machine
53. Design & Animation of Petrol Engine with Water Injection
54. Design for Sterling Engine
55. Design & Animation of Water Fuel Engine with Power Generation
56. Design & Animation of Dual Power Generation System for Automobile (Thermo Electric + Exhaust Gas)
57. Design & Animation of Foot Step Power Generation
58. Animation of vehicle safety system under driver fatigue
59. Animation of Water Fuel Engine (Petrol & Hydrogen)
60. Design & Animation of Three Axis Modern Trailer (Pneumatic)
61. Modeling & Animation of Compressed air vehicle
62. Modeling & Animation of 3-Axis Modern Pneumatic Trailer
63. Modeling & Animation of Square Hole Drilling Machine
64. Modeling & Animation of Six Axis Material Handling System
65. Modeling & Animation of Hub less cycle
66. Modeling & Animation of Under Water Robot
67. Modeling & Animation of Performance Analysis in flat finned automatic radiator using Nano fluid
68. Modeling & Animation of High Performance Vehicle
69. Modeling & Animation of Low Cost Sugarcane Harvester
70. Modeling & Animation of Electro Magnetic Gear Transmission for two wheeler
71. Modeling & Animation of Wind and Solar Energy Vehicle
72. Modeling & Animation of Activated Carbon Manufacturing Plant
73. Design & Animation of firefighting robot
74. Modeling & Animation of Pneumatic Injection Molding Machine
75. Modeling & Animation of Chain Hooks Separator & Pressing machine
76. Modeling & Animation of Tamble cycle using renewable & regeneration of electricity cycle
77. Modeling & Animation of Pneumatic Classroom Board Cleaner
78. Modeling & Animation of Automatic Pneumatic Emergency Exit
79. Modeling & Animation of Bicycle Powered Refrigerator

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80. **Modeling & Animation of Generation of Electricity from Ocean Waves using Rack & Pinion Mechanism**
81. **Animation of Pneumatic Powered Bicycle**
82. **Animation of Salt water converted into purified drinking water by using Pedal power**
83. **Modeling & Animation of Pedal / Motor Operated Paddy Thresher**
84. **Modeling & Animation of Score Stove**
85. **Modeling & Animation of Pedal Operated Vertical Hacksaw Machine**
86. **Modeling & Animation of Intelligent Active Suspension system for two wheeler**
87. **Modeling & Animation of Refrigeration using free energy motor**
88. **Modeling & Animation of Osmotic Power Plant**
89. **Modeling & Animation of Electro-Hydraulic composite Brake System**
90. **Modeling & Animation of Automatic Hydraulic Lifting of Four Wheeler**
91. **Modeling & Animation of Automated Gear Transmission for Two Wheeler**
92. **Modeling & Animation of Green power using wind solar & water**
93. **Modeling & Animation of Water Cooler cum Air Conditioner**
94. **Modeling & Animation of Pedal Powered Water Pump**
95. **Modeling and Animation Portable smoke exhaust system**
96. **Modeling & Animation of Coconut Dehiscing Machine**
97. **Modeling & Animation of Automatic Tire pressure Inflation System**
98. **Modeling & Animation of KERS in bicycle**
99. **Model & Animation of Spiral Punching machine using cam Shaft**
100. **Modeling & Animation of Anti-lock Braking System**
101. **Model & Animation of Pneumatic Multi Axis Welding Machine**
102. **Model & Animation of Gear Cutting Attachment for Lathe**
103. **Modeling & Animation of Areca nut Climbing and Cutting Machine**
104. **Model & Animation Automatic open well cleaning machine**
105. **Design and animation of Pneumatic belt conveyor**
106. **Design and animation of hydraulic vice**
107. **Design and animation of automatic guided vehicle**
108. **Design and animation of Bio-Diesel Extraction from Waste Plastic Material**
109. **Modeling and Animation of Tri Axial Tipper**
110. **Modeling & Animation of Shell and Tube Heat Exchanger**
111. **Modeling and animation of Efficycle**

**CHENNAI-PONDICHERRY**

112. Modeling animation of double acting hacksaw using scotch yack mechanism
113. Modeling animation of solar power aircraft
114. Modeling animation of the janson mechanism
115. Modeling animation of automatic bed cum wheel chair and report
116. Modeling animation of slow speed retraction hump
117. Modeling animation of friction testing machine
118. Modeling animation of automated pet feeder
119. Modeling analysis of foldable helmet and casing
120. Modeling animation of pepper thresher machine
121. Modeling animation of electrode flux remover
122. Modeling animation of Waste oil burning power generation system report
123. Modeling animation of Automatic tool retrieval system
124. Modeling animation of Energy harvesting shock absorber using mechanical motion rectifier
125. Modeling animation of automated hybrid drilling machine
126. Modeling animation of Automatic pneumatic vice & jack with drilling operation
127. Modeling animation of semi-automatic plant trimmer
128. Modeling animation of Solar operated automatic seed sowing machine
129. Modeling animation of Drainage cleaning machine
130. Modeling animation of Semi-automated stair climbing wheelchair
131. Modeling animation of Worm & worm gear for a 8 actuated control valve
132. Design & Animation of Differential Locking System
133. Design & Animation of Highway Wind Turbine
134. Design & Animation of Belt Drive with A Clamping System
135. Design & Animation of Four Wheel Steering Mechanism Link and Liver Mechanism
136. Modeling & Animation of Solar Powered Pesticide Spraying Machine
137. Modeling & Animation of Pneumatic Tree Climbing Machine
138. Design & Animation of Multi engine (Triangular) air compressor
139. Modeling & Animation of Cycle with Propeller Shaft
140. Design & Animation of Multi-functional Windmill
141. Design & Animation of Multi Nut Tighter Cum Loosener
142. Modeling & Animation of Solar Refrigeration System (TEG)
143. Modeling and Animation of Coconut Tree Climbing Machine
144. Modeling and Animation of Child Retrieval Machine
145. Modeling & Animation of Thermo Electric Cooling Jacket
146. Modeling & Animation of Quad Processing Machine
147. Modeling & Animation of Automatic Spray Painting Machine
148. Modeling & Animation of Highway Wind Turbine
149. Modeling & Animation of Remote Controlled oil Skimmer Robot for Marine Application
150. Modeling & Animation of Turbocharger with Zero Turbo Lag
151. Modeling & Animation of Intelligent Braking System
152. Modeling & Animation of Friction Stir Welding Machine
153. Modeling & Animation of Diesel Automatic Two Wheeler
154. Modeling & Animation of Electro Magnetic Braking System
155. Modeling & Animation of Ginger feeding & Cutting
156. Modeling & Animation of Automatic Pneumatic Stamping Equipment
157. Modeling & Animation of Hydraulic Pipe Bending Machine
158. Modeling & Animation of Pneumatic Tricycle with Modification

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159. Modeling & Animation of Mono-Wheel Bike
160. Modeling & Animation of Automatic Core Dipping Process Using Robot
161. Modeling & Animation of Automatic Sheet metal cutter by pneumatic actuator
162. Modeling animation of Automatic portable groundnut planting machine
163. Design of radiation finned bonnet fixture
164. Modeling animation of Modified crash guard
165. Modeling animation of Self-propelled cutter suction dredger with bow thruster
166. Modeling animation of Laterite stone cutting & shaping machine
167. Modeling animation of Plastic recycling machine
168. Modeling animation of Automatic dish wash dryer
169. Modeling animation of Segway bike
170. Rotary smart car parking system
171. Aeroplane control system
172. Modeling animation of Floating wind turbine
173. Modeling animation of Desiccant wheel refrigeration system
174. Modeling animation of Tree climbing machine
175. Modeling animation of Electric scooter powered by wind & Piezoelectric solar power
176. Modeling animation of Automobile clutch for four wheeler
177. Modeling animation of Smart bike
178. Modeling animation of Exo-skeleton
179. Modeling animation of Four wheel steering mechanism & 90 degree turning
180. Modeling animation of Swivel seat
181. Modeling animation of banana fiber extracting machine
182. Modeling animation of Integrated automatic jacks for four wheeler
183. Modeling animation of Automatic citrus fruit juicer
184. Modeling animation of Dual axis solar power tracking
185. Modeling animation of Solar hover bike
186. Modeling animation of Solar powered tea leaf cutting machine
187. Modeling animation of Development of two wheel drive motor cycle
188. Modeling animation of non-connectional door based power generation system
189. Modeling animation of Coconut Dehusking machine
190. Modeling animation of Dual hacksaw with scotch mechanism
191. Modeling animation of coin sorting machine
192. Modeling animation of Manual powered car
193. Modeling animation of banana fiber extracting machine
194. Modeling animation of solar operated grass cutting machine
195. Modeling animation of pedal dish washing machine
196. Modeling animation of Pneumatic conveyor
197. Modeling animation of Hill station braking system
198. Modeling animation of mechanical spider
199. Modeling animation of Pedal operated drilling machine
200. Modeling animation of waste oil burr system with power generation
201. Modeling animation of Automatic idly batter filling mechanism
202. Modeling animation of Heat transfer enhancement of spray cooling using fins
203. Modeling animation of Disaster escaping module
204. Modeling animation of Variable volume engine-auto clutch Squid jet propulsion
205. Modeling animation of Automatic steering control system for automobile Treadmill bicycle
206. Modeling animation of pedal powered washing machine
207. Modeling animation of three in one air conditioner

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- 208. Modelinganimation of reusablesand powergeneration**
- 209. Modelinganimation ofAutomatic helmetlockingsystem**

**M-BOTS**