

**REAL TIME AI POWERED IMPLEMENTATION PROJECTS**

# **JDNET TECHNOLOGIES CUDDALORE**



**9159395080**



**6369929654**

## **FINAL YEAR PROJECTS**

**BE**

**MECHANICAL ENGINEERING**

**100 %  
PLACEMENT  
ASSISTANCE**

**NO:31, SUBBURAYA CHETTY STREET, THIRUPAPULIYUR,  
CUDDALORE-2 (OPP DARLING ELECTRONICS)**

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# REAL TIME AI POWERED IMPLEMENTATION PROJECTS

## **THERMAL AND ENERGY SYSTEMS**

1. Thermal Performance Analysis of a Solar Air Heater Using Phase Change Materials
2. CFD Investigation of Heat Transfer Enhancement in a Double Pipe Heat Exchanger
3. Design and Optimization of Waste Heat Recovery System in Internal Combustion Engines
4. Energy Efficiency Evaluation of a Hybrid Solar-Wind Power Generation Unit
5. Experimental Analysis of Forced Convection Heat Transfer Using Nanofluids
6. Numerical Simulation of Heat Transfer in Corrugated Plate Heat Exchangers
7. Performance Analysis of a Thermoelectric Cooling System for Automotive Applications
8. CFD-Based Optimization of Heat Sink Design for Electronic Cooling
9. Experimental Investigation of Solar Water Heater Efficiency with Modified Collector Design
10. Energy Optimization in HVAC Systems Using Machine Learning Algorithms
11. Design and Analysis of a Compact Shell and Tube Heat Exchanger Using CFD
12. Computational Study of Thermal Energy Storage Using PCM in Building Applications
13. Exergy Analysis of a Combined Cycle Power Plant for Efficiency Enhancement
14. Design of Solar Desalination System for Coastal Applications

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## **REAL TIME AI POWERED IMPLEMENTATION PROJECTS**

15. Thermal Management in Electric Vehicle Battery Systems Using Phase Change Materials
16. CFD Study of Flow and Heat Transfer in Microchannel Heat Sinks
17. Performance Evaluation of Solar Parabolic Trough Collector Using Hybrid Nanofluids
18. Design and Simulation of a Hybrid Thermoelectric Generator for Waste Heat Recovery
19. Thermal Analysis of Radiator Fin Design Using Computational Techniques
20. Enhancement of Natural Convection Heat Transfer Using Fin Geometry Modifications
21. Numerical Analysis of Turbulent Flow in Heat Exchanger Tubes
22. Performance Analysis of a Thermal Energy Storage Tank Using PCM Layers
23. Experimental Study of Cooling Tower Efficiency Improvement Using Nanofluids
24. Investigation on Thermal Conductivity Enhancement of Composite Insulation Materials
25. Design and Analysis of Solar-Assisted Refrigeration System Using R134a Alternative
26. Computational Fluid Dynamics Analysis of Jet Impingement Cooling Systems
27. Heat Transfer Enhancement Using Twisted Tape Inserts in Circular Tubes
28. Thermodynamic Analysis of Rankine Cycle with Regenerative Feedwater Heating
29. Performance Evaluation of Air Preheater for Industrial Boiler Applications

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## **REAL TIME AI POWERED IMPLEMENTATION PROJECTS**

30. CFD Study on Heat Transfer in Plate Fin Heat Exchangers
31. Design Optimization of Compact Recuperators Using CFD
32. Energy and Exergy Analysis of Solar Chimney Power Plant
33. Numerical Study on the Effect of Nanoparticle Concentration in Solar Collectors
34. Computational Investigation of Thermal Stratification in Storage Tanks
35. Design and Analysis of Thermal Management System for Fuel Cells
36. CFD-Based Performance Prediction of Heat Recovery Steam Generators
37. Experimental Study on the Effect of Fin Spacing in Natural Convection
38. Design of a Hybrid Cooling System for Data Centers Using AI Control
39. CFD Simulation of Combustion Chamber Temperature Distribution
40. Performance Analysis of Regenerative Heat Exchangers Using MATLAB
41. Design and Optimization of a Solar Dryer for Agricultural Applications
42. Numerical Analysis of Gas Flow in Industrial Furnaces
43. Heat Transfer and Flow Analysis in Crossflow Heat Exchangers
44. Thermal Stress Analysis of Gas Turbine Blades Using FEA
45. CFD Study on Thermal Mixing in Nuclear Reactor Coolant Systems
46. Investigation of Thermal Performance in Shell and Coil Heat Exchanger
47. Design and Development of a PCM-Based Cold Storage System
48. Computational Study of Solar Collector Tilt Angle for Maximum Efficiency
49. Thermal Performance Enhancement of Solar Cookers Using Reflective Surfaces

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# REAL TIME AI POWERED IMPLEMENTATION PROJECTS

## **DESIGN, CAD & MANUFACTURING** **ENGINEERING**

1. Design Optimization of Spur Gear Using Finite Element Method
2. Parametric Modeling and Structural Analysis of a Crankshaft Using CATIA and ANSYS
3. Development of CAD-Based Automation System for Product Design
4. Design and Analysis of a Lightweight Bicycle Frame Using Topology Optimization
5. Finite Element Analysis of a Connecting Rod for Weight Reduction
6. Product Design and Ergonomic Evaluation of Hand Tools Using SolidWorks
7. CAD Modeling and Modal Analysis of a Machine Tool Spindle
8. Optimization of Injection Molding Parameters Using Taguchi Method
9. Design of Fixture for CNC Machining Operations Using Creo
10. Analysis of Residual Stress Distribution in 3D-Printed Metal Parts
11. Finite Element Fatigue Analysis of Automotive Suspension Arm
12. Design and Development of a Smart Jigs and Fixtures System
13. CAD-Based Design and Simulation of a Hydraulic Press
14. Optimization of Machining Parameters in Turning Using Response Surface Methodology
15. Design and Finite Element Analysis of a Robotic Arm Link
16. CAD Modeling and CFD Simulation of a Centrifugal Pump Impeller

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17. Design of a Modular Workholding Device for Flexible Manufacturing Systems
18. Fatigue Life Prediction of Mechanical Components Using FEM
19. Multi-Objective Optimization of Mechanical Design Using Genetic Algorithm
20. CAD and Structural Analysis of Industrial Storage Rack
21. Design and FEA of an Automotive Chassis Frame for Weight Reduction
22. Modeling and Simulation of Gear Train System Using MATLAB Simulink
23. CAD-Based Reverse Engineering of a Complex Mechanical Component
24. Finite Element Modeling of Welded Joints for Stress Concentration Analysis
25. Structural Optimization of Cantilever Beams Using ANSYS Workbench
26. Design and Simulation of a Hydraulic Cylinder for Material Handling
27. Investigation of Modal Frequency in Rotating Shafts Using FEM
28. CAD-Based Redesign of Conveyor Belt System for Enhanced Efficiency
29. Finite Element Analysis of Bolted Joints Under Dynamic Loads
30. Design of High-Performance Bearing Housing Using Topology Optimization
31. Finite Element Simulation of Drop Test for Mechanical Enclosures
32. Multi-Body Dynamic Analysis of Suspension Systems Using Adams
33. Design and Analysis of an Adjustable Machine Vice Using CAD/CAE Tools
34. Optimization of Process Parameters in Milling Using ANN Models
35. Design of an Automatic Material Handling Mechanism Using CAD
36. Finite Element Crash Simulation of Automotive Components

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## **REAL TIME AI POWERED IMPLEMENTATION PROJECTS**

37. CAD-Based Design of Sheet Metal Forming Dies Using NX
38. Structural Integrity Analysis of Pressure Vessels Using ANSYS
39. Design Optimization of a Piston for Internal Combustion Engines
40. CAD Modeling and Thermal Analysis of Brake Disc Using ANSYS
41. Development of Additive Manufacturing Process Parameters for Complex Geometry
42. Finite Element Analysis of Welded Structures Using Contact Elements
43. CAD-Based Ergonomic Redesign of Industrial Equipment
44. Fatigue Analysis of Railway Axle Using FEM
45. Design and Development of a Modular Robotic Gripper Using CAD
46. Dynamic Analysis of Gearbox Casing Using Finite Element Method
47. CAD/CAE Modeling of Wind Turbine Blade for Structural Optimization
48. Finite Element Analysis of Rolling Contact Stress in Bearings
49. Design of a Self-Balancing Mechanism Using CAD Simulation
50. Topology Optimization of Structural Brackets Using ANSYS
51. Finite Element Modeling of Metal Forming Processes
52. CAD-Based Design of Industrial Robots Using Modular Kinematics
53. Design of an Automated Conveyor System for Production Line
54. Optimization of Additive Manufacturing Parameters for Surface Finish
55. Modal and Harmonic Analysis of Vibrating Mechanical Components
56. CAD Simulation of Crashworthiness in Automotive Body Structures

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# **REAL TIME AI POWERED IMPLEMENTATION PROJECTS**

## **AUTOMOBILE AND TRANSPORTATION SYSTEMS**

1. Design and Analysis of an Electric Vehicle Chassis Frame Using Finite Element Method
2. Optimization of Aerodynamic Drag in Passenger Cars Using CFD Simulation
3. Structural Crashworthiness Analysis of Vehicle Front Bumper Using ANSYS
4. Thermal Management System Design for Electric Vehicle Batteries
5. Regenerative Braking System Optimization for Hybrid Vehicles
6. Design and Simulation of a Suspension System for Improved Ride Comfort
7. Dynamic Analysis of a Leaf Spring Suspension Using Finite Element Analysis
8. Performance Enhancement of Electric Vehicles Using Lightweight Materials
9. Finite Element Modeling of Automotive Crash Impact Scenarios
10. Design and Optimization of Brake Disc for Improved Heat Dissipation
11. Vibration Analysis of Vehicle Frame Under Dynamic Loading Conditions
12. CFD Simulation of Underbody Airflow to Improve Vehicle Stability
13. Structural Analysis of Alloy Wheels Using Finite Element Method
14. Design and Analysis of a Differential System for Off-Road Vehicles
15. Optimization of Steering Geometry for Enhanced Vehicle Handling
16. Finite Element Fatigue Analysis of Vehicle Control Arms
17. Aerodynamic Simulation of Car Body Using Wind Tunnel and CFD

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18. Design and Development of Energy-Efficient Hybrid Transmission System
19. Computational Study of Exhaust Flow Dynamics in Automobile Mufflers
20. Vibration Reduction in Automotive Engine Mounts Using Rubber Composites
21. Finite Element Analysis of Motorcycle Frame Under Static and Dynamic Loads
22. CFD-Based Design of Air Intake Manifold for Improved Engine Efficiency
23. Optimization of Fuel Injector Parameters Using Computational Techniques
24. Structural Analysis of Roll Cage for Formula Student Car Using ANSYS
25. Thermal Performance Study of Disc Brakes Using CFD and FEA Coupling
26. Multi-Body Dynamic Simulation of Vehicle Suspension Systems
27. Crash Simulation and Occupant Safety Analysis Using Explicit Dynamics
28. CFD Study of Cabin Ventilation and Thermal Comfort in Automobiles
29. Design and Analysis of Active Suspension System Using MATLAB Simulink
30. Optimization of Vehicle Aerodynamics Using Parametric Modeling
31. Finite Element Fatigue Life Prediction of Automotive Crankshaft
32. Brake Pad Material Performance Evaluation Using ANSYS Workbench
33. CFD Analysis of Underhood Airflow Management in Passenger Cars
34. Dynamic Analysis of Automotive Drive Shafts Using FEM
35. Structural Optimization of Vehicle Body Components for Weight Reduction
36. CFD-Based Design of Automotive HVAC Duct Systems
37. Finite Element Analysis of Impact Energy Absorption in Automotive Crash Beams

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38. Performance Analysis of Electric Power Steering System Using MATLAB
39. Design and Optimization of Electric Vehicle Battery Cooling Plates
40. Dynamic Modeling of Vehicle Suspension Using Multi-Body Simulation
41. CFD Simulation of Tire Aerodynamics at High Speed
42. Structural Analysis of Truck Chassis Frame Under Variable Loading
43. Crashworthiness Evaluation of Side-Impact Beams in Passenger Cars
44. Finite Element Fatigue Analysis of Piston and Connecting Rod Assembly
45. CFD-Based Optimization of Aerodynamic Side Mirrors
46. Performance Evaluation of Turbocharger Compressor Using CFD
47. Thermal Analysis of Vehicle Exhaust System Using ANSYS Fluent
48. Design and Analysis of a Composite Drive Shaft for Automotive Applications
49. Vehicle Dynamics Simulation Using MATLAB Simscape for Stability Evaluation
50. Optimization of Fuel Economy Through Aerodynamic Design Modifications
51. Finite Element Analysis of Automotive Brake Pedal Mechanism
52. Multi-Physics Analysis of Battery Pack for Electric Two-Wheelers
53. CFD Simulation of Radiator Cooling Flow in Electric Cars
54. Crash Simulation of Bus Structures for Passenger Safety Enhancement
55. Design and Finite Element Analysis of Torsion Bar Suspension System
56. CFD-Based Flow Analysis of Exhaust Gas Recirculation Systems
57. Structural Analysis of Automotive Subframe Using Finite Element Method

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## **ROBOTICS, MECHATRONICS & AUTOMATION**

1. Design and Development of a Robotic Arm for Industrial Pick-and-Place Applications
2. Dynamic Modeling and Control of a Six-DOF Robotic Manipulator
3. Simulation of Autonomous Mobile Robot Navigation Using ROS and MATLAB
4. Machine Vision-Based Object Detection for Industrial Automation Robots
5. Finite Element Analysis of Robotic Arm Links Under Variable Loads
6. Design and Control of a Pneumatic Gripper System Using PLC
7. Path Planning Optimization for Mobile Robots Using Genetic Algorithms
8. Development of an IoT-Based Robotic System for Remote Monitoring
9. Vibration Analysis of Servo Actuated Robotic Arms
10. Autonomous Navigation System for AGVs Using LiDAR Mapping
11. Finite Element Structural Analysis of Industrial Robot Joints
12. Design and Fabrication of a Line-Following Robot Using Microcontrollers
13. Kinematic and Dynamic Analysis of SCARA Robot Using MATLAB
14. Implementation of Machine Learning-Based Obstacle Avoidance in Robots
15. Simulation of Robotic Arm Motion Using Simulink
16. Design of an Autonomous Surveillance Robot with Obstacle Detection
17. Development of a Smart Material Handling Robot Using IoT
18. Finite Element Modal Analysis of Robotic Base Structure
19. Design of a Drone Frame Using Composite Materials and FEA

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20. Adaptive PID Control for Robotic Manipulators Under Load Variations
21. Real-Time Vision Tracking System for Mobile Robots Using OpenCV
22. Finite Element Study of Robot Arm Deflection and Vibration
23. Design of a Modular Robot for Multi-Task Automation Applications
24. Development of a 3-Axis CNC Machine Using Embedded Controllers
25. Structural Analysis of Robotic Gripper Assembly Using ANSYS
26. Sensor Fusion-Based Position Estimation for Autonomous Robots
27. Design and Kinematic Simulation of a Parallel Robotic Platform
28. Implementation of AI-Based Motion Control for Industrial Robots
29. Finite Element Analysis of a Robotic End Effector Under Gripping Load
30. Development of IoT-Controlled Robotic Arm for Precision Assembly
31. Dynamic Simulation of Biped Robot Walking Gait Using MATLAB
32. Control System Design for 3-DOF Robotic Manipulators
33. Machine Vision-Based Sorting System for Manufacturing Automation
34. FEA and Optimization of Pneumatic Cylinder for Robot Applications
35. Design and Control of a Robotic Welding System
36. Sensor-Based Automation of Conveyor Belt Sorting System
37. Multi-Robot Coordination Using Swarm Intelligence Algorithms
38. Finite Element Analysis of Robotic Wrist Assembly
39. Design and Fabrication of a Quadruped Walking Robot

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40. Path Tracking Control of Mobile Robots Using Neural Networks
41. Simulation of Cooperative Robot Motion Using MATLAB Simulink
42. Development of Robotic Hand Using 3D Printing and Servo Motors
43. Kinematic Analysis of Delta Robot for High-Speed Pick Operations
44. Design and FEA of an Autonomous Underwater Robot Hull
45. PLC-Based Control of Industrial Material Transfer Robots
46. Finite Element Structural Optimization of Robot Linkages
47. AI-Powered Autonomous Navigation System for Industrial AGVs
48. Motion Control of Robotic Manipulators Using PID and Fuzzy Logic
49. Design of an IoT-Based Smart Warehouse Automation Robot
50. Simulation and Control of Robotic Arm Using Simscape Multibody
51. Finite Element Analysis of SCARA Robot Base for Static Deformation
52. Design and Implementation of a Human-Following Robot
53. AI-Driven Predictive Maintenance in Industrial Robotic Systems
54. Simulation of Force-Controlled Gripping Mechanisms Using MATLAB
55. Structural Optimization of Robot Base Using ANSYS Workbench
56. Development of Gesture-Controlled Robotic System Using Sensors
57. Dynamic Load Simulation in Servo-Controlled Robot Arms
58. Machine Vision-Integrated Robotic Inspection System
59. Finite Element Analysis of Flexible Robotic Manipulators

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## **ADVANCED MATERIALS & COMPOSITE STRUCTURES**

1. Mechanical Characterization of Carbon Fiber Reinforced Polymer Composites
2. Finite Element Analysis of Hybrid Composite Beams Under Bending Loads
3. Tensile and Flexural Strength Evaluation of Glass Fiber Reinforced Composites
4. Thermal Conductivity Analysis of Metal Matrix Composites Using FEM
5. Design and Fabrication of Natural Fiber Reinforced Polymer Composites
6. Fatigue Life Prediction of Carbon Epoxy Composite Laminates
7. Vibration Analysis of Composite Beams Using Finite Element Modeling
8. Comparative Study of Synthetic and Natural Composite Materials
9. Analysis of Residual Stresses in Laminated Composite Plates Using ANSYS
10. Thermal Expansion Behavior of Fiber Reinforced Composites Using FEM
11. Experimental Investigation on Hybrid Bamboo-Jute Reinforced Composites
12. Finite Element Analysis of Sandwich Panels for Aerospace Applications
13. Creep and Fatigue Analysis of Polymer Matrix Composites
14. Design Optimization of Composite Leaf Spring for Automotive Applications
15. Failure Analysis of Composite Pressure Vessels Under Internal Pressure
16. Tensile and Impact Testing of Natural Fiber Composites
17. Thermal Fatigue Analysis of Composite Brake Discs
18. Vibration Damping Properties of Hybrid Polymer Composites

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19. Finite Element Study on Delamination in Composite Laminates
20. Mechanical Property Evaluation of Basalt Fiber Reinforced Composites
21. Fracture Mechanics Study of Fiber Reinforced Plastic Composites
22. Thermal Analysis of Glass Epoxy Composites Using ANSYS
23. Finite Element Simulation of Impact Behavior in Composite Plates
24. Experimental Analysis of Kevlar Reinforced Epoxy Laminates
25. Tensile Strength Optimization of Hybrid Composite Materials
26. Moisture Absorption Effect on Natural Fiber Composites
27. Fatigue and Failure Behavior of Glass Carbon Hybrid Composites
28. FEA-Based Stress Distribution Analysis in Composite Leaf Springs
29. Evaluation of Mechanical Properties of Hemp Reinforced Epoxy Composites
30. Damage Analysis in Composite Beams Under Impact Loading
31. Finite Element Modeling of Composite Pressure Vessels Using ANSYS
32. Experimental Characterization of Coconut Coir Reinforced Composites
33. Analysis of Thermal Stability in Fiber Reinforced Composites
34. Structural Optimization of Composite Aircraft Components
35. Fracture Analysis of Laminated Composite Plates Under Mixed Mode Loading
36. FEM Simulation of Creep in Metal Matrix Composites
37. Vibration Analysis of Carbon Epoxy Laminates Using FEA
38. Hybrid Composite Development Using Sisal and Banana Fibers

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39. Failure Mode Analysis of Laminated Composite Beams Using ANSYS
40. Mechanical Behavior of Graphene Reinforced Polymer Composites
41. Finite Element Study of Stress Concentration in Composite Joints
42. Experimental Analysis of Fiber Orientation Effects on Composite Strength
43. Evaluation of Thermo-Mechanical Properties of Hybrid Composites
44. Delamination Detection in Composite Plates Using Simulation Techniques
45. Finite Element Analysis of Composite Propeller Blades
46. Mechanical and Thermal Testing of Nano-Filled Polymer Composites
47. Optimization of Composite Shaft Design Using ANSYS Workbench
48. Damage Progression Modeling in Fiber Reinforced Composites
49. Vibration Response Analysis of Composite Cylindrical Shells
50. Finite Element Simulation of Compression Behavior in Laminated Composites
51. Experimental Evaluation of E-Glass Reinforced Polymer Composites
52. Fatigue Life Estimation of Composite Leaf Springs for Automotive Use
53. Multi-Layered Composite Pressure Vessel Analysis Using FEA
54. Impact Resistance Study of Hybrid Fiber Reinforced Composites
55. Thermal Stress Distribution in Composite Panels Using ANSYS
56. Moisture Diffusion Analysis in Natural Fiber Composites
57. Finite Element Damage Modeling of Composite Laminates Under Impact
58. Study on Interlaminar Shear Strength of Epoxy-Based Composites

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## **FINITE ELEMENT ANALYSIS & ANSYS**

1. Static Structural Analysis of Crane Hook Using ANSYS Workbench
2. Thermal Stress Distribution in Gas Turbine Blades Using ANSYS Fluent
3. Modal Analysis of Cantilever Beam Using ANSYS
4. Fatigue Life Prediction of Automotive Axle Using Finite Element Method
5. CFD Simulation of Airflow Through Automotive Radiator
6. Stress Analysis of Pressure Vessel Using Finite Element Approach
7. Thermal Analysis of Brake Disc Rotor Under Braking Conditions
8. Finite Element Modeling of Gear Tooth Stress Distribution
9. CFD-Based Heat Transfer Analysis in Plate Heat Exchangers
10. Structural Analysis of Industrial Storage Tanks Using ANSYS
11. Thermal-Structural Coupled Analysis of Piston in Diesel Engines
12. Static and Modal Analysis of Propeller Shaft Using FEA
13. CFD Simulation of Laminar and Turbulent Flow in Pipes
14. Finite Element Study on Stress Concentration Around Circular Holes
15. Structural Optimization of Bracket Components Using ANSYS Workbench
16. CFD Analysis of Flow Through Centrifugal Pump Impeller
17. Transient Thermal Analysis of Engine Cylinder Head
18. Vibration Analysis of Machine Foundations Using FEM
19. CFD Simulation of Combustion Chamber Airflow Patterns

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## **REAL TIME AI POWERED IMPLEMENTATION PROJECTS**

20. Nonlinear Stress Analysis of Welded Joints Using FEA
21. Thermal Analysis of Heat Sink Design for Power Electronics Cooling
22. Structural Evaluation of Bridge Decks Under Variable Loads Using ANSYS
23. CFD-Based Flow Optimization in Automotive Intake Systems
24. Finite Element Modeling of Bolted Connections Under Preload
25. Dynamic Simulation of Gear Systems Using FEA
26. Heat Transfer Simulation of Radiator Using ANSYS Fluent
27. Fatigue Analysis of Leaf Spring Under Repeated Loading
28. CFD Study of Boundary Layer Separation Over Airfoil Surfaces
29. Modal and Harmonic Analysis of Machine Components Using FEA
30. Static Analysis of Crane Boom Structure Using ANSYS
31. CFD Simulation of Thermal Distribution in Electric Motor Housing
32. Thermal Stress Analysis of Exhaust Manifold in Automobiles
33. CFD-Based Study of Heat Transfer Enhancement Using Vortex Generators
34. Finite Element Simulation of Creep in High-Temperature Alloys
35. CFD Analysis of Airflow Through HVAC Duct Systems
36. Thermal-Mechanical Fatigue Analysis of Turbine Disc
37. Static and Dynamic Analysis of Pressure Vessels Using ANSYS
38. Finite Element Modeling of Impact Behavior in Structural Frames
39. CFD Simulation of Natural Convection in Enclosures

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40. Stress and Deformation Analysis of Heavy Machine Components
41. Finite Element Thermal Analysis of Cooling Channels in Molds
42. CFD-Based Design Optimization of Nozzles and Diffusers
43. Nonlinear Static Analysis of Structural Beams Using FEA
44. Thermal and Structural Analysis of Solar Collector Components
45. CFD Analysis of Heat Exchanger Tubes with Twisted Tape Inserts
46. Finite Element Evaluation of Vibrations in Turbine Blades
47. Stress Analysis of Pressure Head in Hydraulic Systems
48. CFD Simulation of Flow Distribution in Manifold Systems
49. Thermal Fatigue Analysis of Automotive Cylinder Head
50. Static Structural Evaluation of Bolted Flange Joints
51. CFD Simulation of Flow Over Flat Plate Using Turbulence Models
52. Finite Element Modeling of Sheet Metal Forming Process
53. CFD Analysis of Jet Impingement Cooling on Flat Surfaces
54. Thermal Analysis of Composite Brake Pad Using ANSYS
55. Structural Evaluation of Offshore Wind Turbine Towers
56. Finite Element Crash Simulation of Automotive Frames
57. CFD Study on Drag Reduction in Vehicle Bodies
58. Dynamic Analysis of Vibrations in Rotating Shafts
59. Fatigue Life Assessment of Structural Beams Under Cyclic Loads

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## REAL TIME AI POWERED IMPLEMENTATION PROJECTS

### Connect With Us

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(FOUNDER AND CEO OF JDNET TECHNOLOGIES)

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