

CAD & CAM Analysis.

B.E / M-TECH PROJECT LIST- Design basis

1. Nozzle design and separation margin evaluation for reliability of turbine blade
2. Design of interface structure of wind tower
3. Design and Analysis of bleed in steam turbine casing
4. Skin instabilities in honeycomb structures of an air craft wing
5. Beacon light analysis in fuselage structure of an aircraft
6. Load analysis and multi body dynamics analysis of connecting rod in single cylinder 4 stroke engine
7. Failure analysis of steam turbine rotor due to low flow conditions
8. Bus body analysis for different loading condition
9. Design and analysis floor beam in aircraft structure
10. Design and analysis of dumping truck floor bed
11. Static & Dynamic Analysis of Impeller & Shaft of submersible pump Pump & Compressor Domain
12. Design & Static analysis of WING BOX(J-Nose Panel, Honey comb structures) structure of an air craft-
Air Craft Domain
13. Design & Analysis of Intermediate shaft in Power transmission system of a car - Automotive Domain
14. Structural & CFD analysis of Air release & vacuum break valves(-Valve Domain
15. Design of interface structure of wind tower
16. Design and analysis of bleed in steam turbine casing
17. Skin instabilities in honeycomb structures of an air craft wing
18. Beacon light analysis in fuselage structure of an aircraft

19. Development of air release valve / anti vacuum valve (combination valve) for high pressure hydro power plants
20. Load analysis and multi body dynamics analysis of connecting rod in single cylinder 4 stroke engine
21. Failure analysis of steam turbine rotor due to low flow conditions
22. Static and dynamic analysis of bus body.

B.E / M-TECH PROJECT LIST-THERMAL

- 1.THERMAL STRESS ANALYSIS IN STEAM TURBINE ROTOR
2. Study of Steady State Thermal Analysis of Steam Turbine Casing
3. THERMAL ANALYSIS OF ENERGY AND EXERGY OF BACK PRESSURE STEAM TURBINE IN SUGAR COGENERATION PLANT
4. TRANSIENT THERMAL ANALYSIS OF A STEAM TURBINE ROTOR
5. Design and Analysis of HP steam turbine casing for Transient state condition
6. Calculation of Thermal Stress and Fatigue Life of 1000 MW Steam Turbine Rotor
7. Static and Thermal Analysis of Turbine Blade of Turbocharger
8. Thermal and Dynamic Analysis of Bearing Assembly for Small Size Steam Turbine
9. NON-STATIONARY TEMPERATURE STRESSES IN THE INDUSTRIAL STEAM TURBINE ROTOR
10. Thermal analysis of the steam boiler for the sterilization plant at Pepper Marketing Board
11. Thermal analysis of closed feedwater heaters in nuclear power plants

12. Thermal Analysis of SI-Engine using Simplified Finite Element Model
13. STRUCTURAL AND THERMAL ANALYSIS OF AUTOMOTIVE DISC BRAKE ROTOR
14. Heat Transfer Analysis of Automotive Headlamp Using CFD Methodology
15. Transient Analysis of Disk Brake By using Ansys Software
16. Computational Analysis of Different Nanofluids effect on Convective Heat Transfer Enhancement of Double Tube Helical Heat Exchanger.
17. Flow Analysis and Characteristics Comparison of Double Pipe Heat Exchanger Using Enhanced Tubes.
18. Investigation of Thermal Resistance of Diamond Shaped Pin Fin by CFD.
19. Three dimensional numerical analysis of unglazed solar water heater for enhancement in thermal performance.
20. CFD Analysis of Solar Hot Water Heater with Integrated Storage System.
21. CFD Analysis of Convective Flow in a Solar Domestic Hot Water Storage Tank.
23. CFD Analysis of Conical Nozzle for Mach 3 at Various Angles of Divergence with Fluent Software.
24. Numerical Analysis To Optimize The Heat Transfer Rate Of Tube-In-Tube Helical Coil Heat Exchanger