

## **Thermal Projects for Mtech & PHD**

- 1> Thermal analysis of finned tube heat exchanger using nano fluids
- 2> Thermal investigation of helical coil heat exchanger using nano fluids.
- 3> Thermal analysis of immersed coil heat exchanger by varying coil materials and electric potential.
- 4> Thermal analysis of Joule Heating using ANSYS CFX
- 5> Thermal Analysis of Car Radiator using ANSYS CFX
- 6> Thermal Analysis of Horizontal Biomass Gasification Reactor
- 7> Thermal Analysis of Micro Channel Condenser
- 8> Numerical Analysis of Finned Tube using ANSYS
- 9> Thermal Analysis of Cooling Tower using Computational Fluid Dynamics
- 10> Thermal Analysis of Geothermal System using ANSYS
- 11> Thermal Analysis of Heat Storage Device using ANSYS
- 12> Study on Effect of Geometrical Parameters of Solar Chimney on Power Generation using ANSYS CFX
- 13> Study on effect of twisted taper insert geometry in heat exchanger
- 14> Thermal Analysis and optimization of cooling fins used in electronic cooling
- 15> Combustion Modelling of Pulsejet engine using ANSYS CFX
- 16> Study of thermal characteristics of EGR cooler used in Automobiles

17> CFD Analysis on Thermal Performance of Shell and Serpentine Heat Exchanger using different nanofluids.

18> CFD Analysis on Thermal Performance of Shell and Tube Heat Exchanger using different nanofluids.

19> Thermal Analysis of Plate heat exchanger using different turbulence models

20> Fluid Flow Analysis of NACA Aerofoil at different altitudes using CFD

21> Performance Analysis of Solar Chimney used for Power Generation

22> Thermal Analysis of IC engine cylinder fins using ANSYS

23> Thermal Characteristics of disk brake cooling subjected to wind load

24> Fluid flow and Stability Analysis of inclined Solar Panel using CFD

25> Fluid flow Analysis of Wind Vertical Axis Wind turbine using ANSYS

