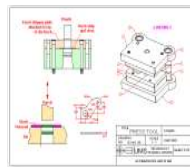


Advanced Diploma in CAD / CAM / CAE

AutoCAD, Pro/ENGINEER / Unigraphics / CATIA /
Solidworks, CNC Milling & Ansys

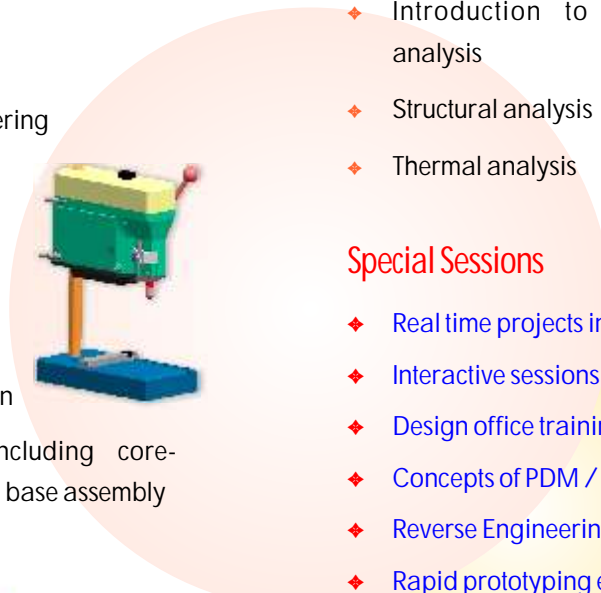
Engineering Drawing

- ◆ Review of engineering drawing concepts
- ◆ Free hand sketching practice
- ◆ 2D drafting using AutoCAD
- ◆ Fits & tolerances
- ◆ Geometric dimensioning & tolerancing
- ◆ Reading-industrial drawings



CAD

- ◆ 3D modeling covering
- ◆ Part modeling
- ◆ Assembly
- ◆ Drafting
- ◆ Surfaces
- ◆ Sheet metal Design
- ◆ Mold design including core-activity split, mold base assembly



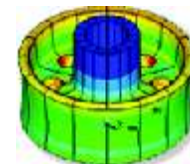
CAM

- ◆ Review of manufacturing processes
- ◆ CNC programming & operation of CNC Milling machine (VMC)
- ◆ CAM programming
- ◆ Machining of a project in CNC



CAE

- ◆ Introduction to finite element analysis
- ◆ Structural analysis
- ◆ Thermal analysis



Special Sessions

- ◆ Real time projects in the above areas
- ◆ Interactive sessions to build communication skills
- ◆ Design office training
- ◆ Concepts of PDM / PLM
- ◆ Reverse Engineering
- ◆ Rapid prototyping etc.,



Duration

Full Time - 6 Months