Course Title: MECHANICAL CAD – SOLID WORK   Course Code: DS 106

Course Background / Summary:

This is a basic-level course that focuses on how to use Solid Works. Solid Works is a mechanical design automation software that builds parametric models of parts and assemblies and drawings.

Course Objectives:

- Introduce Solid Works as Mechanical CAD software.
- Build parametric models of parts
- Assemble the parts
- Draw parts and assemblies

Target Audience:

- Design Engineers
- R&D Staffs

Course Duration: 3 Days

Course Contents	
1.0 Introduction to CAD and Parametric Solid Modeling	7.0 Multibody Parts
2.0 Solid Works Lessons	8.0 3D Sketching
3.0 Revolve and Sweeps	9.0 Assembly Mates
4.0 Lofts	10.0 Feature Works
5.0 Pattern features	11.0 Advanced Design & Drawings
6.0 Fillets	12.0 E - Drawing

ENGINEERING DESIGN