

**Field:** Computer Aided Design/Drafting

**Software Tool:** *AutoDesk Mechanical Desktop 2006, Assembly, surface & Hybrid Modelling*

**Course Duration:** 40 hours (20 days)

**Course outline and day-wise break up:**

| <b>Days</b> | <b>Topics to be covered</b>  |
|-------------|--|
| Day1        | ▪ AutoDesk Mechanical Desktop designer overview                        |
| Day2,3      | ▪ Sketching and constraining profiles and/paths                        |
| Day4,5      | ▪ Dimensioning   |
| Day6,7      | ▪ Solid generation, Work Features, Exercise                            |
| Day8,9      | ▪ Creating & combining sketched features                               |
| Day10,11    | ▪ Placed Features, Finishing parts with placed features                |
| Day12       | ▪ Exercise   |
| Day13, 14   | ▪ Drawing Generation   |
| Day 15      | ▪ Controlling parts with design variables                              |
| Day16       | ▪ Introduction to assembly modelling, Assembling parts, Combining part |
| Day17       | ▪ Assembly with external reference, editing assembly constraints       |
| Day18,19    | ▪ Creating & editing surfaces  |
| Day 20      | ▪ Hybrid modelling   |