

## ● CAD COURSE

CAD-203 MASTER'S DIPLOMA IN ADVANCED CAD (2D & 3D)

**OBJECTIVE:** To understand drawing and create drafting and model in most editable and industry procedure.

**DURATION - 50 DAYS**

- Including basics
- DFMA & FMEA concepts in drawing and manufacturing
- Materials knowledge-Treatments & finishing process
- Complex parts with more views, sections and detailed views
- NPD with reference drawing
- Assembly and advance models
- Complex shaped casting models
- Fillet errors
- Alternations & Correction
- Product knowledge
- Manufacturing processes existing and to develop
- Manufacturability
- Assembly approach (top down or bottom up)
- Mechanism (Wiper motor, Gear)
- Tolerance checking (Stack up analysis)
- Concepts - Slider switch - motor, brush box mould
- Final projects (Industrial)

