



# IFS ACADEMY

Training For The Future!!

## Advanced Diploma in CAD/CAM

(Duration: 4 Months)

(With 100% Placement Assistance)

### Course Curriculum

➤ **Basics of Engineering Drawing**

Projections, Limits, Fits & Tolerances, Drawing Reading, Different Standards, Manufacturing Processes, Machining Operations, GD&T.

➤ **Basics of NC Part Programming**

NC part programming, Training and Machining Centers, Other CNC Machines, General Programming Features, Cycles, Axes Movements, Tool Path Compensation, Preparatory Functions, Manual Part Programming for Lathe & Milling.

**Note:** Select any two courses between Sr. No. 1 to 3 as mentioned below.

1. PTC Authorised Training Center (In-Finite Solutions ATC) Program

**Creo (Creo 2.0) for Design Engineers (80 Hrs.)**

2. Dassault Systemes Authorised Certified Education Program

**CATIA V5 Mechanical Designer (80 Hrs.)**

3. SIEMENS PLM Software Authorised Training Program

**NX CAD for Design Engineers (80 Hrs.)**

➤ **Lathe Design & Toolpaths using Mastercam (40 Hrs.)**

➤ **Soft Skills Training**

Résumé writing, Aptitude Test, Technical Test, Group Discussion Techniques, Interview techniques, Communication & Presentation Skills, Personality Development.



(In-Finite Solutions ATC) 1

**Note: For in depth contents of the above programs, please refer our individual Modular and Authorised course curriculums.**

***Deliverables:***

- Technical sessions from industrial and academic professionals on topics of basics of engineering drawing and NC part programming.
- Seminars and guidance from industrial professionals on soft skills training.
- **Creo for Design Engineers:** Soft copy of study material, Creo Student License for 1 year, PTC Authorised Certificate of Completion, Online access to PTC University website.
- **CATIA V5 Mechanical Designer:** Soft copy of Training Manual, Dassault Systemes Certificate of Training, and Online access to Companion Learning Space for DS Study Material.
- **NX CAD for Design Engineers:** Soft copy of Training Manual, SIEMENS PLM Software Authorised Certificate of Completion.
- **Lathe Design & Toolpaths using Mastercam:** Soft copy of study material, Mastercam Certificate of Completion
- **Exposure to live case studies and projects.**

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