



INFORMATION TECHNOLOGY CENTRE

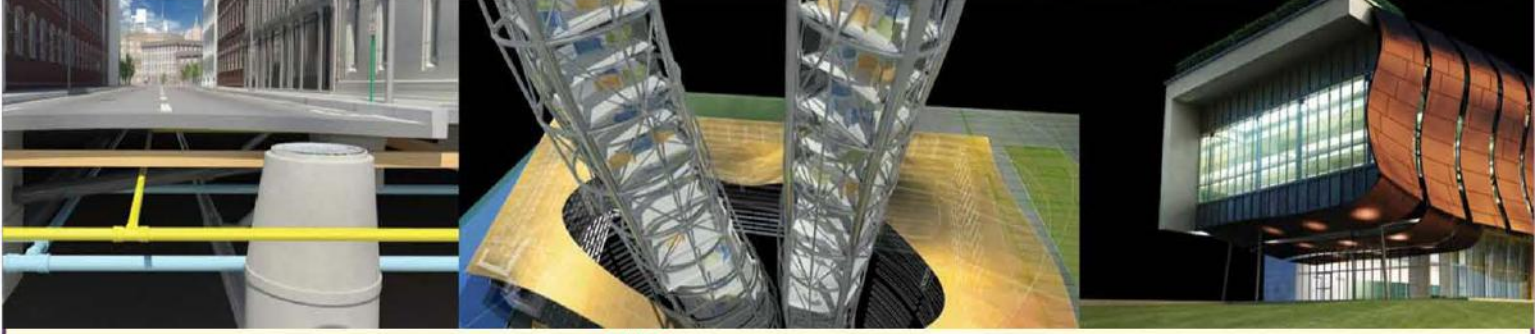
We Create Bright Futures - HERE & NOW

AUTODESK
Authorized Training Center
& Certification

Since : 1988

- 29 Years Prestigious Centre
- Trained >15000 Students in Autodesk Products

98243 72633, 96245 66959
(02692) 237389, 230221



- ✦ AutoCAD
- ✦ AutoCAD Electrical
- ✦ Revit Architecture
- ✦ Inventor Professional
- ✦ 3D Studio Max
- ✦ Maya
- ✦ Multimedia
- ✦ CREO

NEW

- ✦ Fusion 360
- ✦ Revit Structure
- ✦ AutoCAD MEP
- ✦ VFX
- ✦ Solid Works

Introducing
CAM

CNC
Programming
& Operating

Why ITC ?

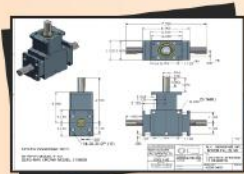
- ૧) વ્યાજબી ફી.
- ૨) અદ્યતન ટેકનોલોજીથી સજ્જ તેમજ સર્ટીફાઇડ, કોમ્પ્યુટર નિષ્ણાંતો દ્વારા ઉદ્યોગીકરણને અનુરૂપ ઉચ્ચ શિક્ષણ આપવાના હેતુથી ચાલતું સેન્ટર
- ૩) જે Designation / Softwareના Courseમાં Admission લેશે, તેનું Domain Knowledge તથા Softwareનો તે કામ માટેનો વપરાશ કરતાં શીખવવામાં આવશે.
- ૪) દરેક વિદ્યાર્થી પર પૂરતું ધ્યાન, રોજ રોજનું પુનરાવર્તન.
- ૫) Attendance અને ભણવાના Syllabusનું રોજ રોજની Cardમાં Entry.
- ૬) સમજણ ન પડી હોય, તેવા Topic માટે Extra ભણાવવા માટેની વ્યવસ્થા.
- ૭) ભણવામાં Project તથા Industrial Trainingનો સમાવેશ.
- ૮) Job માટેના Mock Interviewની વ્યવસ્થા
- ૯) National and International Certificationની તૈયારી
- ૧૦) સાચું, સારું, સંસ્કારવાળું ભણતર આપવા માટેનું વાતાવરણ ઉભું કરી, ભણતરની સાથે સંસ્કાર આપવાના પ્રયત્ન કરાય છે.

Benefits

- Autodesk Certification
- Autodesk Expert Program
- Autodesk Student Project
- Autodesk Portal
- Autodesk Student Expert Program
- Gain an internationally recognized credential that proves your skill level.
- Always get the latest productivity features and learn the best practices in the field.
- Develop the skills you need to make the most of your AutoDESK software.
- Enhance competitive edge and reputation.
- List your name in the AutoDESK Certified Professionals Database.

Development of Design Engineer in an Engineer...

AutoCAD



Drafting

- ♦ Basic & Advanced 2D CAD Drafting
- ♦ 2D Isometric Drawing ♦ New File Tabs
- ♦ Import and export image and CAD drawings
- ♦ Working with ADC (AutoCAD Design Centre)
- ♦ Dimensioning, Printing and Plotting of drawing
- ♦ Working with multiple design environment
- ♦ Intelligent Command Line ♦ Section & Detail Views
- ♦ Working with Parametric Drawing
- ♦ Automatic Command Completion

Exploiting

- ♦ Creation & Editing of 3D Wire frames
- ♦ Surface & Solid Modeling
- ♦ 3D Views & Overview of Rendering
- ♦ Customization of line types & arrowhead
- ♦ Mesh & Mesh Editing ♦ Model Documentation
- ♦ Convert 2D Object to 3D Object

AutoLISP Programming

- ♦ Program Design & Logic Development techniques
- ♦ Data Types, Variables, Language features
- ♦ Looping, Control Structures, Expressions
- ♦ List Handling, String Handling & Entity Handling
- ♦ File Handling (Maintenance of file)
- ♦ Processing of Engineering data

Revit Architecture



- ♦ Overview of AutoCAD & Relevant Commands
- ♦ Adding Walls, Floor, Roof, Door, Windows etc.
- ♦ Adding Linear & Circular Staircase, Railing, Ramp etc.
- ♦ Building an Interior & Exterior Model
- ♦ Creating Section & Perspective Views
- ♦ Using Massing Tools ♦ Using Site Tools
- ♦ Creating Topographic Subregions
- ♦ Building the model, Adding view to a sheet
- ♦ Creating Building components
- ♦ Working with Design options ♦ Displaced Views
- ♦ Building Structure-Column Beam, Brace etc.
- ♦ Lighting & Camera Effects ♦ Rendering the model
- ♦ Creating walk through animation
- ♦ Area analysis - Area setting, area plan
- ♦ Autodesk 360 Online Rendering in Revit

NEW

Revit Structure

- ♦ Linking Revit Models
- ♦ Sharing the Same Revit Model
- ♦ Coordination Monitor
- ♦ Interference Checking

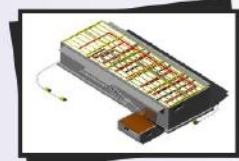
AUTOCAD MEP

- ♦ Autocad MEP ♦ Getting Started
- ♦ Modeling an MEP System
- ♦ Detailing ♦ Construction Documents
- ♦ Electrical Systems
- ♦ Analyzing Systems
- ♦ Content Development

Fusion 360

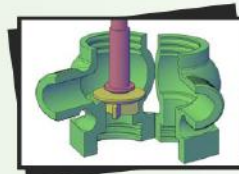
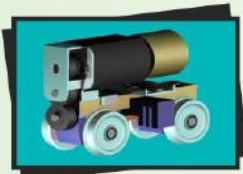
- ♦ Solid Modeling ♦ Surface Modeling
- ♦ Collaboration, data & Process Management
- ♦ Conceptual Design ♦ Machining
- ♦ Mechanical Design ♦ Simulation
- ♦ Visualization & Rendering

AutoCAD Electrical



- ♦ Fundamentals of AutoCAD Electrical
- ♦ Inserting, Trimming & Numbering Wires Ladders
- ♦ Inserting, Editing & Linking schematic Components
- ♦ PLC L/O Module & I/O Address Based tagging
- ♦ Creating Panel Layouts
- ♦ AutoCAD Electrical Templates & Circuit Server Drawing Sets.
- ♦ Point to Point Diagraming & Connector Diagraming
- ♦ Pneumatic, Hydraulic & P & ID Diagrams.
- ♦ Generating Reports-BOM Reports & BOM Tables.
- ♦ Migrating AutoCAD Data. ♦ Source & Destination Signals
- ♦ Add Connector & Wiring
- ♦ Using the Editing Tools & Audit Report
- ♦ Using the Terminal Strip Editor

Inventor Professional



- ♦ Getting Acquainted with Autodesk Inventor
- ♦ Part Assembly, Presentation, Drawing & Sheet Metal files
- ♦ Part Modeling
- ♦ Creating Modifying and Dimensioning sketch
- ♦ Creating extruded and Revolved Features
- ♦ Introduction to Placed Features
- ♦ Hole, Fillet, Chamfer, Shell, Rib, Webs, Coil, Thread, Face Draft
- ♦ Loft, Sweep & Split ♦ Creating Part Drawings
- ♦ Assembly Modeling Fundamentals
- ♦ Presentations ♦ Animating Presentations
- ♦ Working with Parameters
- ♦ Creating Other graphics ♦ Introduction to FEA

Solid Works

- ♦ Sketching and Part Applications
- ♦ Part Modeling
- ♦ Assembly Modeling
- ♦ Fundamentals
- ♦ Presentation
- ♦ Drawing & Sheetmetal Files
- ♦ Stress Analysis
- ♦ Creation of AVI Files
- ♦ Working with Parameters





AUTODESK

MULTIMEDIA

Academy



**Including
Live Project**

- Corel Draw** - Put the power of Corel DRAW Graphics Suite.
- Illustrator** - Create distinctive vector artwork for any project with Adobe Illustrator.
- Photoshop** - Adobe Photoshop is a graphics editing program. It's a professional standard digital picture & photo editing software.
- Flash** - Adobe Flash is the tool to create animations for Website and presentations.
- Dreamweaver** - Adobe Dreamweaver is the industry-leading web design software, is an outstanding visual HTML editor and superb code editor.
- Adobe Premier** - Adobe Premiere is leading video editing software lets you edit faster with true native format support.
- After Effects** - Adobe After Effects software is the industry-leading solution for creating sophisticated motion graphics and cinematic visual effects. Transform moving images for delivery to theaters, living rooms, personal computers, and mobile devices.
- Combustion** - Combustion is typical software used for merging the final renders. and Special Effects.
- 3D Max** - 3D Studio max is used for creating stunning 2D & 3D models. It is useful for Architectural models and for interior designing.
- Maya** - Maya is used for creating professional movie effects. It is used by professionals worldwide for creating 3D animations for gaming as well as movies.

Maya



- ♦ **Modeling** : Character Modeling, NURBS Modeling, Digital Set Creation, Explore Anatomy
- ♦ **Material and Texture** : Shaders, Advanced Texturing, UVW Mapping, Texture Character
- ♦ **Photoshop** : Creating tiled textures and other types of textures for use on your 3d Scene, Introduction to Adobe Photoshop, Creating textures for MAYA, Blending Textures
- ♦ **Lighting & Rendering** : Illuminate Model Using 3d lighting design with advanced illumination features, Traditional Lighting Technique, sReal Time and CG Lights, Different types of Lights, Photometric Lights, Interior and Exterior Lighting.
- ♦ **Dynamics** : Particle Simulation, Fluid Simulation, Paint Effect.
- ♦ **Character Design & Modeling** : Exploring Anatomy Character Modeling, Human, Creature etc. Advanced Modeling Techniques
- ♦ **Rigging And Animation** : Creating Controls and Interface for the Animation Purpose, Character Rigging, K/FK, Skinning Character
- ♦ **Animation** : Animation, Character Animation, Non-Linear Animation, Facial Animation
- ♦ **Maya Unlimited Features** nCloth, Hair, Fur Mentalray And Advance Lighting, Cameras, Rendering Techniques As per 3Ds Max

3D Studio Max



- ♦ **Introduction** - 2d and 3d animation
- ♦ **Transforms**
- ♦ **Geometries** : Use of geometries, Shape Splines
- ♦ **Use of geometries** : AEC, Door, Windows, Railing.
- ♦ **Use of shape tool** : line, circle, Rectangle, Donut, Text, helix, star. Arc
- ♦ **Modifiers** :
 - a) Parametric modifiers - bend, taper, twist, skew Noise.
 - b) Different modifiers - noise, squeeze, skew, wave etc.
 - c) Object space modifiers - lathe, extrude, Twist & Tapper, Skew, Noise, Wave
- ♦ **Surface modeling** : Poly Editing, Patch Editing, Use of loft
- ♦ **Space wraps and particle systems** : spray, snow, Parry, could etc.
- ♦ **Material Editor** : Arc & Design Materials, Architect Materials, Material Editor and Maps, Creating bitmaps for the material and applying methods
- ♦ **Compound object** : Shape merge, Connect, Morph, Boolean
- ♦ **Using lights in max** : Omni, Spot, Target Direct, Sky Lights, Sunlight
- ♦ **Animation concepts and methods** : Walk through, Render Setup

Elementry CREO

- Sketcher
- Part Modeling
- Surface Modeling
- 3D Drawing view (Annotation)
- Assembly Modeling
- 2D / 3D Drawing View
- Formats



Advance CREO

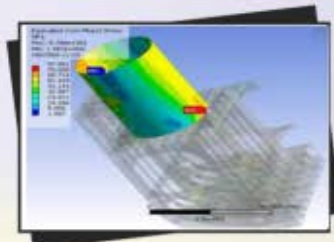
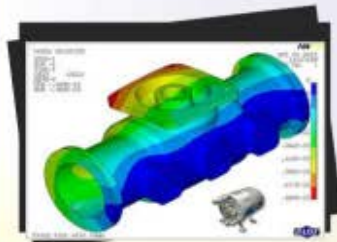
INCLUDE CREO TOPICS

- Sketcher
- Mechanism Design
- Animation
- Sheet Metal Design
- Templates
- Mark - up / Weldment



Elementry ANSYS

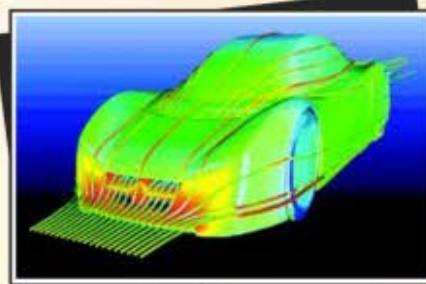
- What is FEA ?
- ANSYS Basics
- ANSYS Workbench
- The GUI
- The database and files
- Exiting ANSYS
- Introduction of ANSYS
- Basics of Meshing with ANSYS
- Nodes & Element types
 - a) Structural Analysis, b) Thermal Analysis
- Linear Static Analysis
- About ANSYS
- Starting ANSYS
- Environment
- Graphics and picking
- Saving Files
- File Types
- On-Linear Static Analysis



Advanced ANSYS

INCLUD ELEMENTY TOPICS

- Model Analysis
- Buckling Analysis
- Dynamic Analysis
 - a). Harmonic Analysis,
 - b). Transient Analysis
- FEM Case Studies
- Industry problems
- Fluid Dynamics
 - a). Fluent
 - b). CFX
 - c). CFD



Advanced Diploma in CAD & CAM

1 Year

Diploma CAD

- AutoCAD 2015
- Revit Architecture OR
- Inventor Professional OR
- CREO

POWER SHAPE

- Introduction
- Wireframe Modeling
- Workplanes
- Solid Modeling
- Surface modeling
- Surface Editing
- Direct Solid Modeling
- Fixing a Solid
- Surfaces for manufacture
- Levels
- Shading & Model analysis
- Modeling exercises

Diploma in CAM

- CNC Courses :
 - CNC Milling
 - CNC Lathe
- CNC Software Courses :
 - DELCAM (POWER SHAPE)
 - DELCAM (POWER MILL)
 - DELCAM (FEATURE CAM)

POWER MILL

- Getting Started
- Machining Set Up in detail
- Area Clearance Strategies
- Finish Machining Strategies
- Leads and Links
- Levels and Sets
- Collision Checking
- Curves Editor
- NC Programs
- Specialist Finishing
- Component Thickness
- Macros & User Menus
- Boundaries
- Editing Toolpaths
- Patterns
- 2D Machining
- Setup Sheets
- Stock Models

FEATURE CAM

- Introduction to FeatureCAM Turning
- FeatureCAM Basic Turn
- How Features are created
- From Dimensions
- From Curves
- Automatic Feature Recognition
- Interactive Feature Recognition
- CAM Software Strategies
- Built in Intelligence



Our Affiliations



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