



SKILLS that can get your engineering career growing

**CADD[®]
CENTRE**
Skills Driven. Job Led


Skill India
कौशल भारत - कुशल भारत


N.S.D.C
National
Skill Development
Corporation
Transforming the skill landscape



STRENGTHEN your engineering base with job-ready **TECH SKILLS**



 AUTODESK	 ANSYS	 Bentley <small>Sustaining Infrastructure</small>	 DASSAULT SYSTEMES	SIEMENS
 Microsoft	cādence™	PTC®	 Altair HyperWorks	 SketchUp

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Super specialization is the need of an hour.

Niche skills are increasingly in demand and engineers who empower themselves with in-demand tech skills can go a long way in their career.

CADD Centre offers you a range of technical skill course for different streams of engineering. Each course is constantly updated to meet current industry trends and requirements. Our goal is to ensure that you find a job that you enjoy and get going in your career!



ESSENTIAL COURSES

- 
- Learn essential topics
 - Invest less time & money
 - Learn multiple software tools

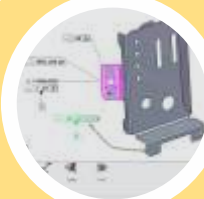


Duration
16 Hours



Courseware Issued
GD&T Essential
e-Book

- GD & T Rules
- ASME Y14.5M-1994
- Size Tolerance
- Form Tolerance
- Orientation Tolerance
- Profile Tolerance
- Location Tolerance
- Runout
- Datum
- Modifiers



AutoCAD Essential

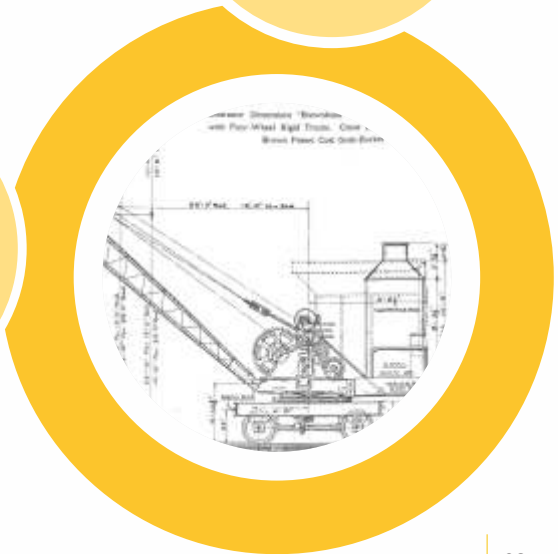
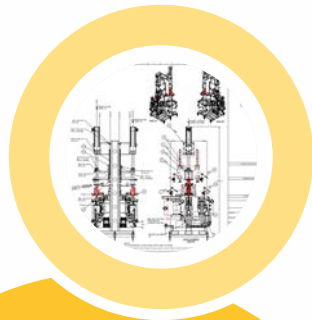
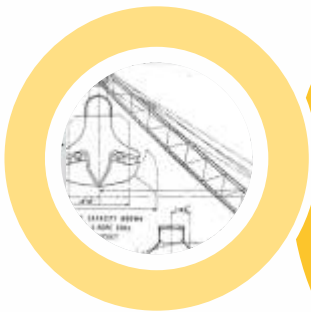


Duration
40 Hours



Courseware Issued
AutoCAD Essential
e-Book

- Drafting – Best Practices
- File Management
- Drawing entities
- Editing Entities
- Object Properties
- Annotation
- Views & Dimensioning
- Symbols & BOM
- Plotting
- Printing Drawing



Creo Essential



Duration
40 Hours



Courseware Issued
Creo Essential
e-Book

- Getting started Creo UI
- Sketches for features
- Part Modeling features
- Feature redefining
- Datum Features
- Family Table & Parameters
- Advanced Assembly
- Surface Modeling
- Drawing Views
- Sheet metal design



NX CAD Essential



Duration
40 Hours



Courseware Issued
NX CAD Essential
e-Book

- NX GUI Explore
- Sketches & Constraints
- Part Features
- Instance geometries
- Datum Creation
- Feature Redesigning
- Assembly design
- Surface Modeling
- Drawing & Detailing
- Sheet metal Design



SolidWorks Essential

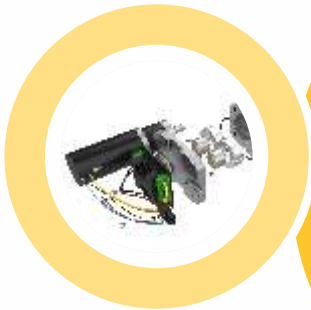


Duration
40 Hours



Courseware Issued
SolidWorks Essential
e-Book

- Getting Started with SolidWorks
- Sketch Entities
- Part Modeling Tools
- Editing & Features
- Engineering Features
- Assembly Design
- Drafting & BOM
- Sheet metal design





Duration
40 Hours



Courseware Issued
CATIA Essential
e-Book

- GUI & Shortcuts
- Sketcher workbench
- Sketch based features
- Dress-up features
- Part workbench
- Assembly constraints
- Wire frame
- Surface modeling
- Sheetmetal design
- Standard Drafting Practices



Ansys Workbench Essential

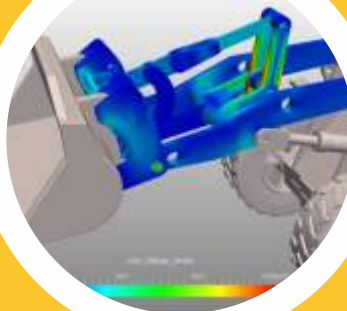


Duration
40 Hours



Courseware Issued
Ansys Workbench Essential
e-Book

- FEA Concepts
- Design models
- Ansys Solver GUI
- FEA Meshing
- Materials & Boundary Conditions
- 1D, 2D & 3D Analysis
- Static Structural Analysis
- Fatigue Study
- Modal Analysis
- Plot and Postprocess



Mastercam Essential



Duration
40 Hours



Courseware Issued
Mastercam Essential
e-Book

- Creating geometries & Projects
- Mill - 2D Hole Marking
- Mill 2D – Basic Operation
- Mill 2D – Advanced operation
- Mill 2D – Creating Dynamic Mill
- Mill 3D – Roughing
- Mill 3D – Finishing
- Hybrid Finishing
- Rastor Finishing



Ansys Fluent Essential

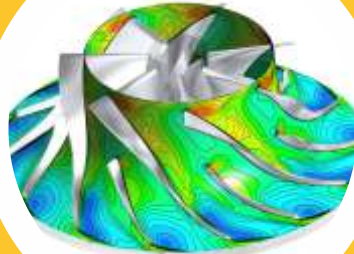


Duration
40 Hours



Courseware Issued
Ansys Fluent Essential
e-Book

- CFD solving workflow
- Flow Mix and Heat Transfer
- Transonic Flow
- Multiple Species Flow
- Turbulence Model
- Periodic Heat Flow
- Radiation and convection
- Turbulent Flow in Heat Exchanger
- Siphoning



Autodesk Inventor Essential



Duration
40 Hours



Courseware Issued
Inventor Essential
e-Book

- Inventor Work Environment
- Creating 2D Entities
- Advanced Sketching
- Modifying Sketch
- Part Modeling
- Part Features
- Solid Editing
- Assemblies Design
- Sheet Metal Design
- Detailing



CATIA Kinematics Essential



Duration
24 Hours



Courseware Issued
CATIA Kinematics
Essential e-Book

- Multiple Joints
- Generating Mechanisms
- Simulating Mechanism
- Sensors
- Trace
- Swept Volume
- Interpreting Analysis Results
- Interference Analysis
- Exporting Interference Results Analysis



Creo Simulate Essential



Duration
40 Hours



Courseware Issued
Creo Simulate
Essential e-Book

- Preparing FEA Model
- Pre-process
- Meshing Techniques
- Structural Static Analysis
- Modal Analysis
- Fatigue Analysis
- Buckling Analysis
- Thermal Analysis
- Assembly Analysis
- Pre-stress analysis



Fusion 360 Essential



Duration
40 Hours



Courseware Issued
Fusion 360
Essential e-Book

- Conceptual Design
- 3D Part Design - Sketcher
- Detailed Component Design
- Assemblies & Free-form Modeling
- Modal Analysis
- Product Documentation & Design Visualization
- Simulation - Static Stress & Modal
- Simulation - Buckling, Thermal Stress
- Design Optimization
- CAM and CNC Manufacturing



HyperMesh Essential

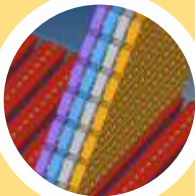


Duration
40 Hours



Courseware Issued
HyperMesh
Essential e-Book

- FEA Meshing
- 1D, 2D & 3D Mesh
- Q1 Mesh
- Shrink wrap mesh
- Tetra Mesh
- Hexa mesh
- Assembly FEM
- Solver Interfacing
- Post-process
- Reports



NX Nastran Essential

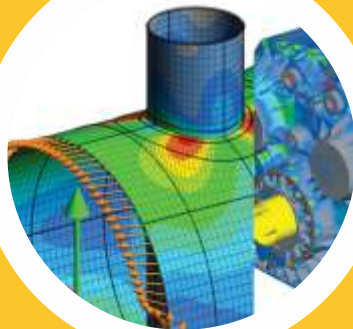
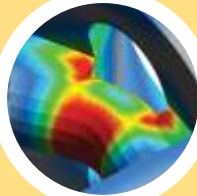


Duration
40 Hours



Courseware Issued
NX Nastran
Essential e-Book

- FEA Concepts
- Model Cleanup
- Geometry Idealization
- Material for FEA
- Meshing in Nastran
- Element and Mesh Attributes
- Linear Static Analysis
- Modal Analysis
- Buckling Analysis



NX CAM Essential

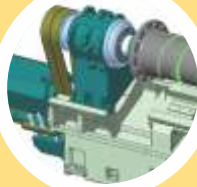


Duration
40 Hours



Courseware Issued
NX CAM
Essential e-Book

- CAM Configuration
- Face Milling Operation
- Planar Milling Operation
- Contour Milling Operation
- Thread Milling Operation
- Z-level Milling Operation
- Variable Contour Operation
- Multi blade milling operation
- Drilling Operation
- Turning Operation



SolidWorks Motion Essential



Duration
40 Hours



Courseware Issued
SolidWorks Motion
Essential e-Book

- Basic Motion
- Kinematic simulation
- Animation
- Multibody dynamics
- Mechanism Verification
- Case Study



Non-Destructive Testing Essential



Duration
40 Hours



Courseware Issued
Non Destructive Testing (NDT)
Essential Reference Guide

- NDT Types
- Radiographic Testing
- Magnetic Particle Testing
- Ultrasonic Testing
- Liquid Penetrant Testing
- Visual Testing
- Welding Inspection



Python for Mechanical Engineers

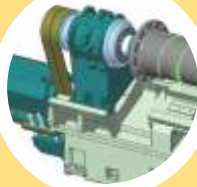


Duration
40 Hours



Courseware Issued
Python Essential
e-Book

- Python Programming Basics
- Decision Making
- Modules & Functions
- List, Tuple, Dictionary
- Strings
- Scientific Calculations
- Matplotlib
- Numpy & Pandas
- Python for Free CAD
- Python for Abacus



MATLAB for Mechanical Engineers



Duration
40 Hours



Courseware Issued
MATLAB
Essential e-Book

- MATLAB Built in functions
- Programming & MatLab Scripts
- SimuLink Modeling
- DC Motor Performance Evaluation
- Multibody Model Anatomy
- Modeling Bodies
- Simulation & Analysis
- Gear Mechanism
- Lead Screw Joint Block Modeling
- Simscape Multibody Library



Drafting Standards Essential - Mechanical



Duration
40 Hours



Courseware Issued
Drafting Standards
Essential e-Book - Mechanical

- Fundamentals of HVAC
- Refrigeration Cycle
- HVAC load calculation
- O general load calculation
- Duct Designing
- Kitchen hood ventilation
- Car parking ventilation
- Chillers/DX system
- District cooling
- Drafting using AutoCAD



Piping and Welding (QA/QC)



Duration
40 Hours



Courseware Issued
Piping & Welding Essential
Reference Guide

- 2D Sketches
- Reference Plane
- Features
- Assemblies
- Advanced Assembly
- Sheet Metal Design
- Surface Modeling
- Detailing
- Freeform Modeling



3D Printing Essential



Duration
16 Hours



Courseware Issued
3D Printing Essential
Reference Guide

- Introduction of 3D Printing
- FDM technology in detail
- Preparation of print ready file-Plasto 200
- STL principles
- Object Placement & Analysis
- Slicer Settings
- Print Settings
- Manual Controls
- Material Properties



Design Visualization Essential



Duration
40 Hours



Courseware Issued
Design Visualization
Essential e-Book

- Geometric Primitives
- Transforming Objects
- Modifiers
- Slate Material Editor
- Photometric Lights
- Particle Systems
- Space warps
- Environment Effects
- Daylight Rendering
- Animation Creation



V-Ray Essential

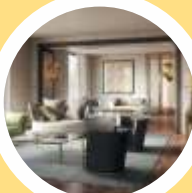


Duration
40 Hours



Courseware Issued
V-Ray Essential e-Book

- V-ray Rendering Engines
- V-ray Image Sampling Techniques
- V-ray Lights
- Global Illumination for Exterior Scenes
- Global Illumination for Interior Scenes
- V-ray Physical Camera
- V-Ray Materials
- V-ray Aerial Perspective
- V-Ray Objects
- V-ray Render Elements



SketchUp Essential



Duration
40 Hours



Courseware Issued
SketchUp
Essential e-Book

- Inference Techniques
- Modeling Entities
- Push/Pull Modification
- Object Editing
- Measurement & Annotation
- Match photo modeling
- Components: General & Dynamic
- Modeling from DWG
- Model visualization
- Model documentation



Revit Architecture Essential



Duration
40 Hours



Courseware Issued
Revit Architecture
Essential e-Book

- Project workflow
- Levels & Grids
- Walls Modeling
- Object Modifying
- Revit Components
- Floors & Roofs
- Curtain wall, Stairs & Ramps
- Dimensions & Constraints
- Annotations & Documentation
- Schedules & Revit Family



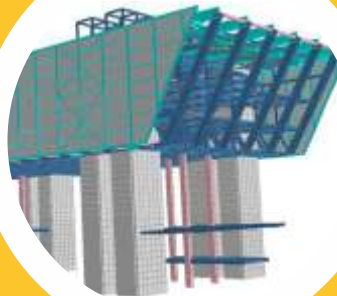
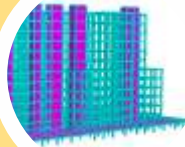


Duration
40 Hours



Courseware Issued
STAAD.Pro
Essential e-Book

- STAAD Editor
- Modeling of Structures
- Objects and Model Editing
- Model Specification
- Loads & load combination
- Structural Analysis
- Wind load analysis
- RC Structure Design
- Steel Structure Design
- Foundation Design



Construction Management using MSP

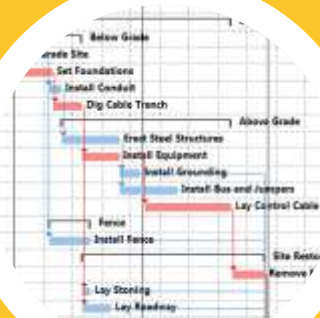


Duration
40 Hours



Courseware Issued
MSP including PPM Concepts
Essential e-Book

- Project management framework-
- Project Initiation & Planning
- Project Execution
- Monitoring and Controlling Process
- MSP road Map
- Task and its relationship
- Work Breakdown Structure
- Resource Analysis & leveling
- Earned Value Analysis
- Multiple Projects & Reports



Max for Engineers/Architects Essential

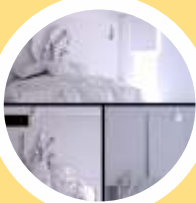


Duration
40 Hours



Courseware Issued
Max for Engineers /
Architects Essential e-Book

- Standard Shapes
- Compound Objects
- AEC Extended Modeling
- Modifiers
- Interior & Exterior Objects
- Materials
- Lights & Cameras
- Rendering
- Animation
- File Management



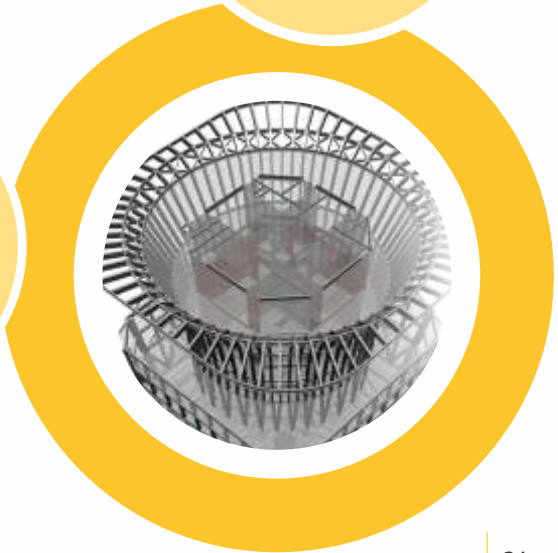
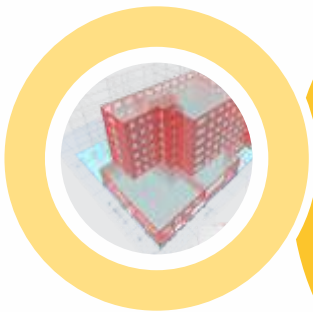


Duration
40 Hours



Courseware Issued
ETABS Essential e-Book

- Modeling of Building Structure
- Object Editing Tools
- Property Specification
- Loads & load combination
- Analysis of Building System
- Concrete Frame Design
- Shear Wall Design
- Steel Frame Design
- Steel Connection & Joist Design
- Detailing & Documentation



MSP with PPM Concepts Essential



Duration
40 Hours



Courseware Issued
MSP with PPM Concepts
Essential e-Book

- Project management framework-
- Project Initiation & Planning
- Project Execution
- Monitoring and Controlling Process
- MSP road Map
- Task and its relationship
- Work Breakdown Structure
- Resource Analysis & leveling
- Earned Value Analysis
- Multiple Projects & Reports



REVIT MEP Essential

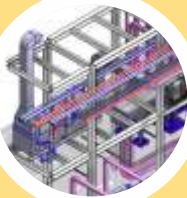


Duration
40 Hours



Courseware Issued
REVIT MEP
Essential e-Book

- Worksharing
- Family Creation
- HVAC Load Analysis
- Setting Up Air Systems
- Duct Work
- Mechanical Piping System
- Lighting Analysis
- Power Distribution System
- Plumbing – Fixtures & Fittings
- Drafting and Detailing



Building Estimation and Costing with Simulation



Duration
40 Hours



Courseware Issued
BECS Essential e-Book

- Reviewing the model
- Exploring your model
- Simulation – Time-liner
- Animate Objects
- Rendering
- Estimation
- Manual Takeoff Tools
- Automatic Takeoff Tools
- Validation & Reports



ProSteel Essential



Duration
40 Hours



Courseware Issued
ProSteel Essential
Reference Guide

- Shapes
- Plates & Element Modification
- Base plate Modeling
- Drill & Bolting
- Static & Dynamic Bracing
- Purlins & Connections
- Structural Elements
- Custom Shape Creation
- Detailing



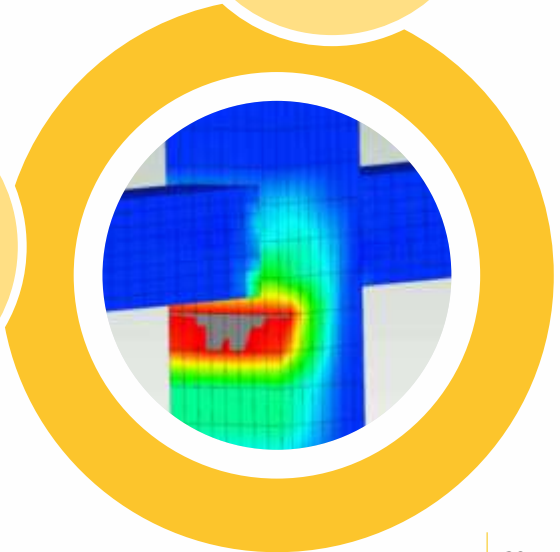
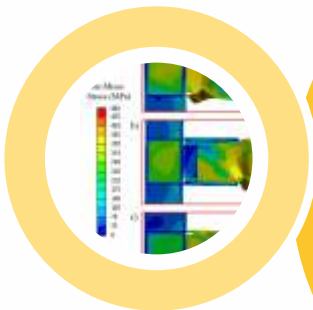


Duration
40 Hours



Courseware Issued
Ansys Civil Essential
Reference Guide

- Modeling in ANSYS
- Loads & Load Combination
- Concrete Design
- Slab Design
- Pre-stress Concrete Design
- Bridge Design
- Retaining Wall Design
- Foundation Design
- Seismic Design
- Steel Design





Duration
40 Hours



Courseware Issued
AECOsims Essential
Reference Guide

- Placing 2D Elements
- Manipulating 2D Elements
- Modeling Elements
- Placing Contents
- Placing Lighting Fixture
- Stairs & Rails Creation
- Placing Elevators
- Roof Creation
- Architecture Master Model



AutoCAD Civil 3D Essential



Duration
40 Hours



Courseware Issued
Computer Aided Land Survey
Essential Reference Guide

- Survey Fundamental
- Working with Point Data
- Survey & LiDAR Survey
- Surface Analysis & Grading
- Alignment Creation
- Corridor Creation
- Junction Design
- Earthwork calculation
- Quantity Takeoff



MicroStation Essential



Duration
40 Hours



Courseware Issued
MicroStation Essential
Reference Guide

- MicroStation manager
- Creating Elements
- Manipulate Tools
- Modify Element
- Group & Region
- Cells & Levels
- Hatch & Pattern
- Isometric Drawing
- Annotation & Dimensioning
- Drafting Outputs



MX Road Essential

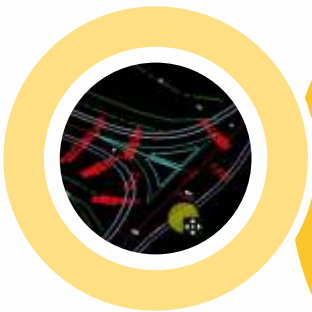


Duration
40 Hours



Courseware Issued
MXROAD Essential
Reference Guide

- Survey inputs and validation
- Model Analysis
- Surface Analysis
- Earthwork calculation
- Alignment creation
- Junction design
- Earthwork design
- Pavement design
- Final Drawing Manager



RCC Detailing Essential

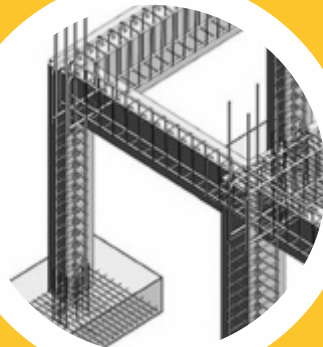


Duration
40 Hours



Courseware Issued
RCC Detailing
Essential
Reference Guide

- Element Creation
- Beam & Column Detailing
- Floor Slab Detailing
- Foundation Detailing
- Staircase detailing
- Retaining Wall Detailing
- Drawing Preparation
- Bar Bending Schedule



Lumion Essential



Duration
40 Hours



Courseware Issued
Lumion Essential
e-Book

- Handling 3D Models
- Creating & Tweaking Lumion Materials
- Realistic Exterior Scene Creation
- Lumion's Library & Controlling 3D models
- Lumion Interior & Exterior Lighting
- Instant Urban Context with OpenStreetMap
- Creating Realistic Visualizations
- Non-photorealistic Visualizations
- Animation Techniques with effects
- Creating Walk-through Visualizations



Revit Structure Essential



Duration
40 Hours



Courseware Issued
Revit Structure
Essential e-Book

- Structural Column
- Structural Beam
- Structural Walls & Floors
- Steel Structures
- Structural Foundation
- Structural Slabs & Openings
- Structural Analysis
- Construction Documents
- Schedule
- Revit Family



AutoCAD Electrical Essential



Duration
40 Hours



Courseware Issued
AutoCAD Electrical
Essential e-Book

- AutoCAD Electrical GUI
- Creating Library Symbol
- Component Tools
- Component Attribute Tools
- Wire Numbers
- PLC
- Conversion Tool
- Panel & Terminals
- Audit & Reports



BIM for Architects Essential



Duration
40 Hours



Courseware Issued
BIM for Architects
Essential e-Book

- Introduction to BIM
- BIM Execution Plan
- Conceptual Modeling
- 3D Modeling
- Analysis
- Collaboration
- Model Checking
- Quantification using Revit



Drafting Standards - Civil



Duration
40 Hours



Courseware Issued
Drafting Standards
Essential e-Book- AEC

- Dimensioning and its standards
- Architectural plan drafting
- Elevation drafting
- Section drafting
- Special drawings
- Structural drawings requirements
- RC Structural Drawings
- Steel Structural Drawings



Drafting Standards - Electrical



Duration
40 Hours



Courseware Issued
Drafting Standards
Essential e-Book- Electrical

- IEC Standards
- Electrical sub-station drawings
- Electrical Plan - Residential & Commercial
- Electronic diagrams
- Integrated circuit schematics
- PCB Layout
- Abbreviations – IS
- IEC role in the IoT





DEEP LEARNING COURSES

- Outcome based - get ready for job
- Job role oriented
- Software/tool focused
- Learn advanced topics

Proficient in AutoCAD for Mechanical Engineers

AutoCAD for Mechanical Engineers

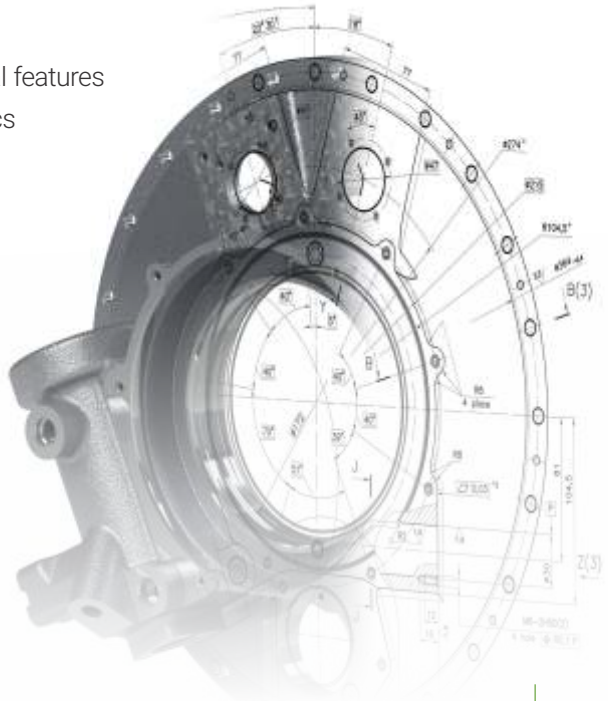


Duration
80 Hours



Courseware Issued
AutoCAD for Mechanical
Engineers e-Book

- Drafting Entities
- Advanced drafting and modifications
- Layer management
- Views & Annotation
- Parametric drawings
- Blocks & Attributes
- X-ref and OLE
- Layout and Plot
- AutoCAD mechanical features
- AutoCAD 3D Technics



Proficient in AutoCAD for Civil Engineers and Architects

AutoCAD for Architects and Civil Engineers

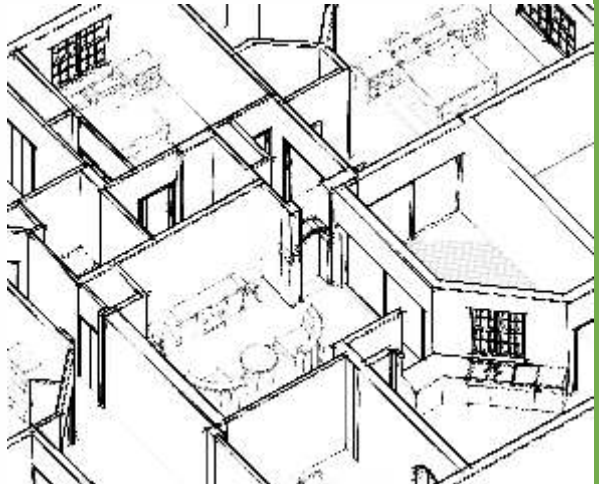


Duration
80 Hours



Courseware Issued
AutoCAD for Architects and
Civil Engineers e-Book

- Drafting Entities
- Layer management
- Views & Annotation
- Parametric drawings
- Blocks & Attributes
- X-ref and OLE
- Layout and Plot
- AutoCAD Architecture features
- AutoCAD 3D Technics
- Advanced drafting and modifications



Proficient in AutoCAD for Electrical & Electronics Engineers

AutoCAD for Electrical and Electronics Engineers

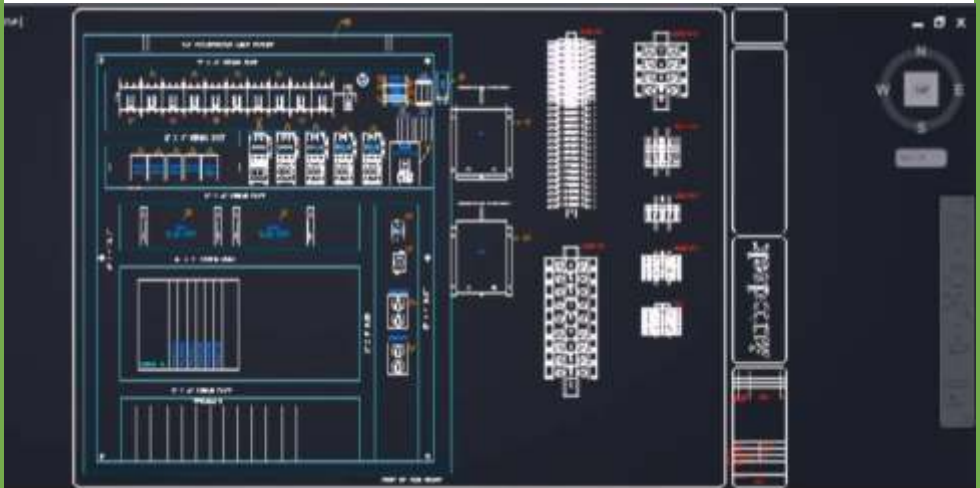


Duration
80 Hours



Courseware Issued
AutoCAD for Electrical and
Electronics Engineers e-Book

- Drafting basic geometry
- Advanced drafting & Modifying
- Blocks & Attributes
- External Ref & OLE
- Layout, plot & publish
- Symbol & Circuit Builder
- Schematic component tools
- Programmable logic controller
- Wires & Wire numbers tools
- Connectors & Panels



Proficient in Creo

Creo



Duration
80 Hours



Courseware Issued
Creo Reference Guide

- Sketch tools
- Part Modeling Features
- Part Editing Features
- Datum Features
- Assembly Modeling
- Advanced Assembly
- Surface Modeling
- Sheet metal design
- Drawing Views
- Dimensions & Annotation



Proficient in SolidWorks

SolidWorks

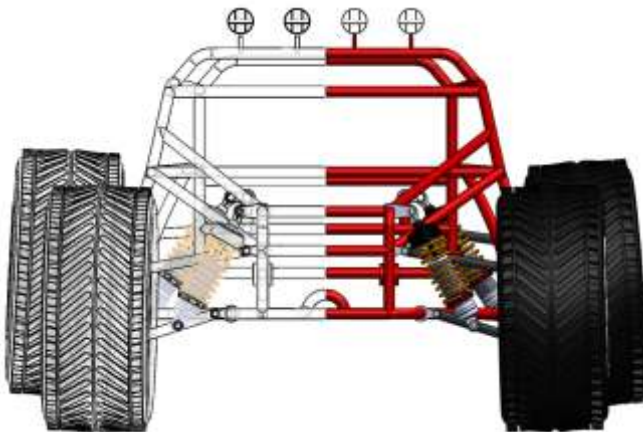


Duration
80 Hours



Courseware Issued
SolidWorks Reference Guide

- Sketch Creation Tools
- Sketch Editing Tools
- Part modeling features
- Part Editing Features
- Assembly Modeling
- Surface Modeling
- Sheet metal design
- Weldment Design
- Drawing Views & Annotations
- Model Visualization



NX CAD

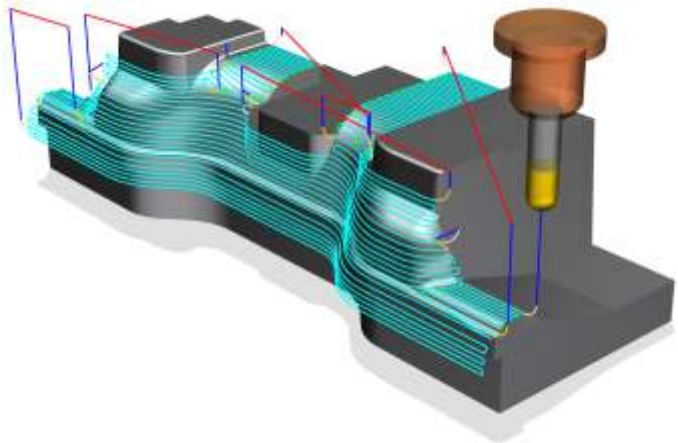


Duration
80 Hours



Courseware Issued
NX CAD Reference Guide

- Sketch Creation & Editing Tools
- Part Modeling Features
- Part Editing Features
- Assembly Modeling
- Advanced Assembly
- Surface Modeling
- Sheet metal design
- Drawing Views
- Dimensions & Annotations
- Rendering



Proficient in CATIA

CATIA



Duration
80 Hours



Courseware Issued
CATIA Reference Guide

- Sketch Creation Tools
- Sketch Editing Tools
- Part Modeling Features
- Advanced part Modeling Features
- Assembly Modeling
- Sheet Metal Design
- Surface Modeling
- Drawing Views
- Dimensions & Annotations
- Drafting Settings & Rendering



NX Nastran



Duration
80 Hours



Courseware Issued
NX Nastran Reference Guide

- Geometry Preparation
- Advanced Idealization
- Materials & Boundary Conditions
- Meshing
- Static Structural Analysis
- Contact analysis
- Assembly FEM
- Response Simulation
- Modal & Buckling analysis
- Thermal & Optimization



Ansys Workbench

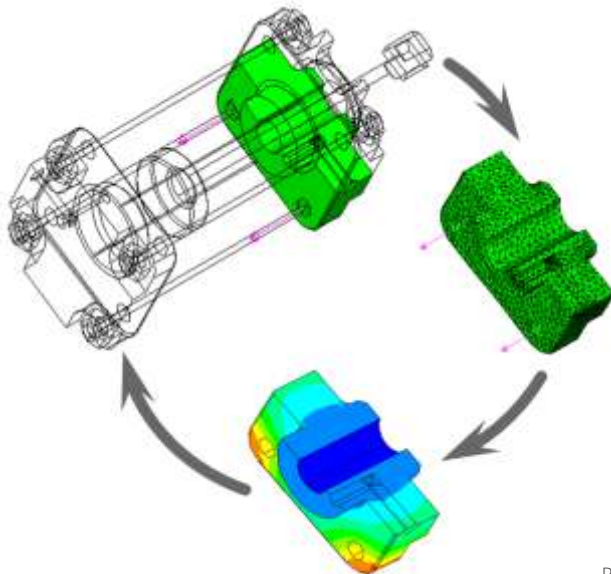


Duration
80 Hours



Courseware Issued
Ansys Workbench
Reference Guide

- Creating 3D Models
- Creating FEA Models
- FEA meshing Technique
- Loads & Boundary Condition
- Materials
- Simple Static Structural Analysis
- Modal & Buckling Analysis
- Fatigue & Thermal Analysis
- Design Parameters



Proficient in Inventor

Autodesk Inventor



Duration
80 Hours



Courseware Issued
Inventor Reference Guide

- 2D Sketches
- Reference Plane
- Features
- Assemblies
- Advanced Assembly
- Sheet Metal Design
- Surface Modeling
- Detailing
- Freeform Modeling



Module 1

NDT (QA/QC)



Duration
96 Hours



Courseware Issued
Non Destructive Testing (NDT)
Reference Guide

- Radiographic Testing
- Magnetic Particle Testing
- Ultrasonic Testing
- Liquid Penetrant Testing
- Visual Testing
- General Safety
- Welding Inspection

Module 2

Piping & Welding



Duration
24 Hours



Courseware Issued
Piping & Welding Reference Guide

- 2D Sketches
- Reference Plane
- Features
- Assemblies
- Advanced Assembly
- Sheet Metal Design
- Surface Modeling
- Detailing
- Freeform Modeling



Proficient in Revit Architecture

Revit Architecture

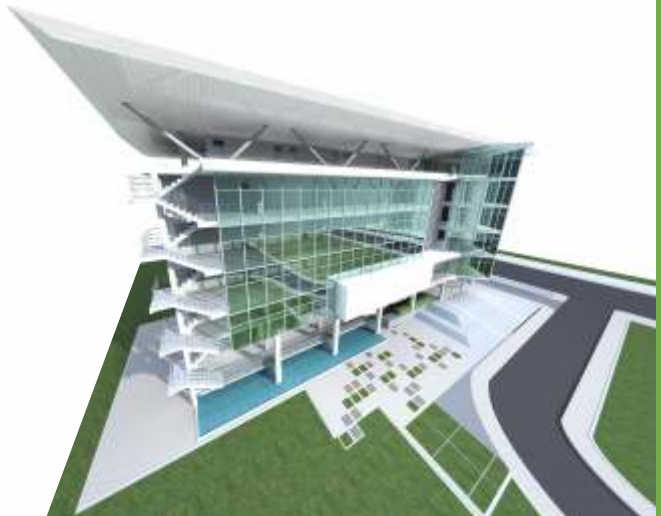


Duration
80 Hours



Courseware Issued
Revit Architecture
Reference Guide

- Levels and Grids
- Walls & Complex Walls
- Joineries & Furniture
- Create Floors & Roofs
- Curtain Walls & Stairs
- Conceptual Energy Analysis
- Documentation & Schedules
- Visualization
- Site Design & Family Creation
- Link Projects & Collaboration



Proficient in STAAD.Pro

STAAD.Pro



Duration
80 Hours



Courseware Issued
STAAD.Pro
Reference Guide

- Modeling of Structures
- Assigning Properties
- Loads & Load combinations
- Bridge Deck Design
- Static Linear Analysis
- Response Spectrum & Time History Analysis
- P-Delta & Buckling Analysis
- RC Beam, Column Design
- Design of Steel Structures
- Foundation Design



Proficient in ETABS

ETABS

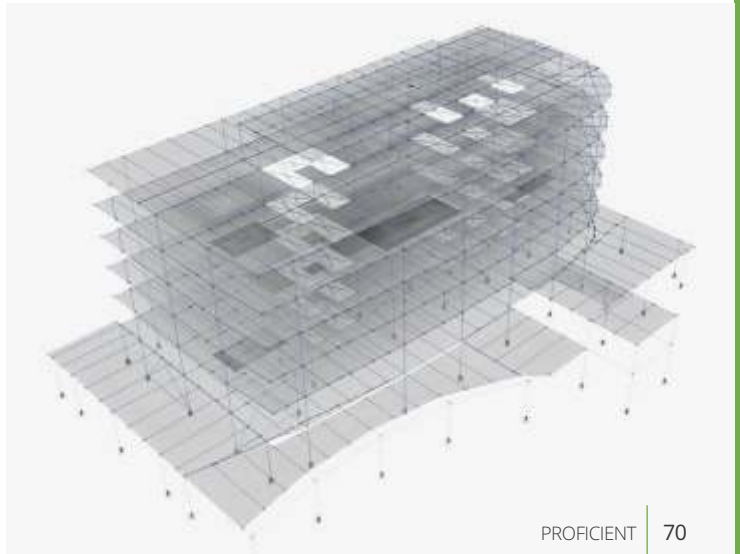


Duration
80 Hours



Courseware Issued
ETABS Reference Guide

- Modeling of Building Systems
- Property Specification
- Loads & Load Combinations
- RC Structure Design
- Steel Structure Design
- Static Linear Analysis
- Response Spectrum Analysis
- Push-over Analysis
- Time-History Analysis
- Detailing & Documentation



Proficient in Revit MEP

Revit MEP

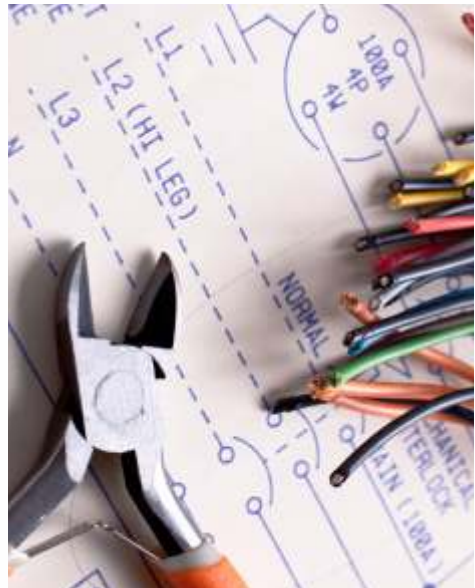


Duration
80 Hours



Courseware Issued
Revit MEP Reference Guide

- Work sharing
- Family Creation
- Symbols & Annotations
- Mechanical Design
- Mechanical System & Duct Work
- Mechanical Piping System
- Electrical Design
- Fire Alarm Model
- Plumbing Design
- Drafting & Detailing



Proficient in 3ds Max

3ds Max



Duration
80 Hours



Courseware Issued
Max for Engineers / Architects
Reference Guide

- Shapes & Geometries
- Particle Systems & Space Warps
- Modifiers
- Interior Modeling
- Exterior Modeling
- Mechanical Product Modeling
- Working with Materials
- Lights & Camera
- Advanced Rendering
- Animation & Walkthrough



AECOsim Building Designer

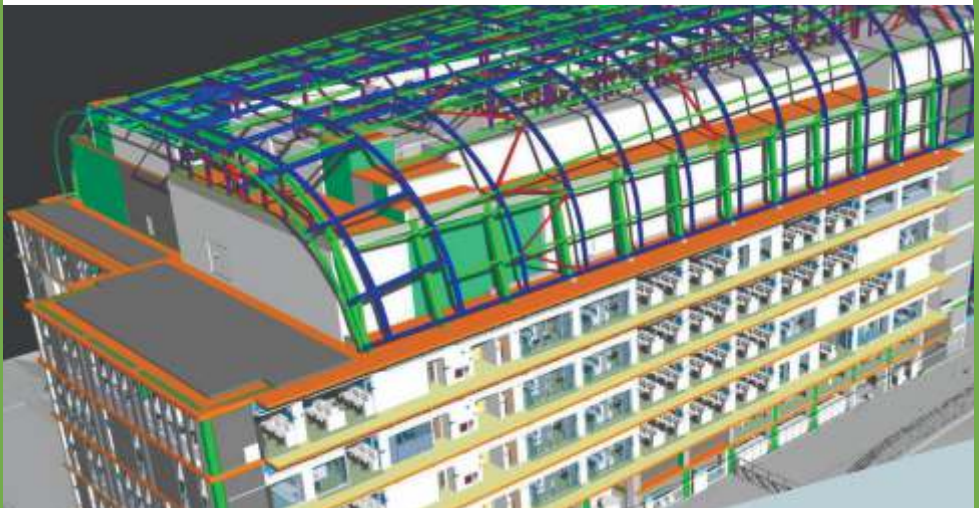


Duration
80 Hours



Courseware Issued
AECOsim Building Designer
Reference Guide

- Modeling & Manipulating 2D Elements
- Conceptual Mass Modeling
- Modeling Elements
- Placing Contents
- Stairs & Railings
- Roof Creation
- Creating an Architecture Model
- Rendering
- Integrated Structural Modeling
- Creating UCF and PCF



Proficient in MX Road

MX Road



Duration
80 Hours



Courseware Issued
MX Road Reference Guide

- Survey inputs and validation
- Model & Surface analysis
- Earthwork calculation
- Alignment creation
- Carriageway & Junction design
- Shoulder & Earthwork design
- Pavement design
- Road re-design & rehabilitation
- Testing a Design
- Dynamic reports



Proficient in AutoCAD Civil 3D

AutoCAD Civil 3D



Duration
80 Hours



Courseware Issued
AutoCAD Civil 3D Reference Guide

- Concept of Computer Aided Land Survey
- Working with Point Data
- Survey & LiDAR Survey
- Surface Analysis & Grading
- Alignment Creation
- Corridor Creation
- Intersection Design
- Roundabout Design
- Quantity Takeoff
- Pipe Layout



Proficient in Primavera for Construction Management

Module 1

PPM Concepts



Duration
24 Hours



Courseware Issued
PPM Concepts Reference Guide

- Project Management Framework
- Organization Structure
- Project Initiation
- Project Planning
- Project Execution
- Monitoring & Controlling
- Closing Process Group

Module 2

Primavera for Construction Management



Duration
40 Hours



Courseware Issued
Primavera Reference Guide

- Work Breakdown Structure
- Activities & Relationships
- Scheduling
- Constraints & Codes
- Roles & Resources
- Resource Analysis & Levelling
- Updating Project Progress
- Tracking Project Progress
- Issues & Thresholds
- UDF & Reports



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