Corporate Training Services:

AUTODESK PROFESSIONAL CERTIFICATION COURSES:

AutoCAD 2014

The term CAD (Computer Aided Design) applies to a wide range of programs that allow the user to created drawings, plans and designs electronically. AutoCAD is one such program and if main claim to fame is that it is relatively easy to use, it is very comprehensive in its ability to create 2D and some 3D drawings and it is very popular. Seventy percent of the CAD users in the world use AutoCAD.

Course Contents:

2D DRAFTING & ANOTATION	**3D MODELING:**
AutoCAD fundamentals	3d basics
Layers	Solid modeling
Text commands	Surfaces and meshes
Hatching commands	Advanced ucs
Dimension commands	Dynamic view
Block commands	Cameras
Advance line work	Lighting
file management tools	Basic printing and output
External references(xrefs)	Advanced output and pen settings
Attributes	Projects

Autodesk Inventor 2014

Autodesk inventor 2013 sets new standard for ease of use in 3D modeling, providing the most straightforward methods of defining and modifying parts and assemblies. Streamlined creation of advanced and compound shapes, simplified setup of simulation problems, new help and learning tools, faster and easier deployment, installation, and management for IT and CAD managers will enable you to achieve more in less time.

Course Contents:

Introduction	Doccumentation
Inventor Design Philosophy	Inventor Tools Overview
Data and Projects	Exchanging Data with
Sketch Techniques	Other systems
Basic Modeling Techniques	Frame Generator
Advanced Modeling Techniques	Inventor Studio
Sheet Metal	Stress Analysis and Dynamics
Part and Feature Reuse	Simulation
Assembly Design Workflows	Routed Systems
Large assembly strategies	Plastics Design Features illogic
Weldmenl Design	
Functional Design	

Revit Architecture 2014

Add a new dimension to your architectural career. Learn how to produce 2D drawings, 3D models and digital presentations using Revit architecture software. Revit Parametric Technology means you can make a change anywhere in the building projects and it automatically updates the whole project.

Course Contents:

INTRODUCTION:
The Revit Workflow
Configuring Templates and standards
Managing a Revit Projects
Understanding Worksharing
Working with Consultants
Interoperability: working multiplatform

MODELING AND MASSING
Advanced Modeling and Massing
Conceptual Design and Sustainability
Phasing, Groups and design
Visualization

MODELING TECHNIQUES
Walls and curtain walls
Floors, ceilings and roofs
Family Editor
Stairs and Railings
DOCUMENTATION
Detailing Your Design
Documenting Your Design
Annotating Your Design
Presenting Tour Design

CONSTRUCTION AND BEYOND
The Construction Phase
Using Laser Scans in Revit
Revit in Classrooms
Getting Acquainted with the API
BIM in the Cloud

AutoDesk Revit Structure 2014

Autodesk Revit software provides structural engineers and designers with the tools to more accurately design and build efficient building structures. Built to support Building Information Modeling (BIM), Revit helps you use intelligent models to gain project insight through simulation and analysis and predict performance prior to construction. Document designs more accurately using coordinated and consistent information inherent in the intelligent models.

Course Contents:

Revit Structure Introduction
Setting the Project Environment
Starting to Model your Project
Structural columns
Floor slabs and Roof Decks
Walls
Structural Framing
Foundations
Model Documentation
Modeling Rebar
Schedules and Quantities

Working with Sheets
Work sharing
Visualization
Revit Structural Analysis
Project Phases and Design Options
STANDARDS:
Increasing Revit Productivity
FAMILY CREATION:
Beyond the Built-in Librraries
Advanced structural Families

CREO FOR DESIGN ENGINEERS

Creo Provides packages to meet the varied demands of roles outside the design engineering teams who need to participate in product development. These packages combine Creo apps and extensions to deliver the optimal set of capabilities for roles such as analysis, industrial designers and others. Now everyone- CAD experts and causal users alike- can access 2D and 3D design data with easy to use tools that enable them to contribute to product development more effectively and efficiently.

MODULES/TOPICS:

Basic Solid Part Modeling
Basic Assembly creation
Adv Solid Part Modeling
Flexible Modeling
Adv Assembly Design
heet metal Design
Detailing Drawing

CREO FOR ANALYST

This powerful virtual prototyping package provides you a complete range of structural and thermal analysis capabilities, including advanced, nonlinear CAE features. In addition, you can streamline your CAE workflow using direct modeling capabilities that help you prepare models for analysis faster than ever before. You can quickly edit models to de-feature or simplify the geometry with less frustration without waiting for the design engineer to do the task.

MODULES/TOPICS:

Basic Solid part modeling
Basic Assembly Creation
Behavioral Modeling
Mechanism Design
Mechanism Simulation
Structure Analysis (Mechanical)

CREO FOR INDUSTRIAL DESIGNER

This comprehensive CAID package gives you all the design flexibilities and power needed to create beautiful products and stunning photorealistic images. Now you have the utmost in design freedom and flexibility to quickly create complex shapes and high-quality surfaces. With freestyle design capabilities and other powerful surfacing style features you can maximize the aesthetics and present them in the best light. The productivity gains delivered by the Creo Industrial Designer package will accelerate concept design and detailed design processes.

MODULES/TOPICS:

Basic Solid Part Modeling
Basic Assembly Creation
Adv solid Part Modeling
Flexible Modeling Surface Modeling
Freeform Surfacing

CREO FOR PRODUCTION ENGINEERS:

Creo NC and tooling solutions offer powerful tools for machining, prismatic and multi-surface milling, tool design, mold base design, NC sheet metal, computer-aided verification of machined parts, plastic-filling process simulations, manufacturing work instructions and more.

MODULES/TOPICS:

Basic Solid Part Modeling
Basic Assembly Creation
Mol design (Core Cavity)
Manufacturing (NC)