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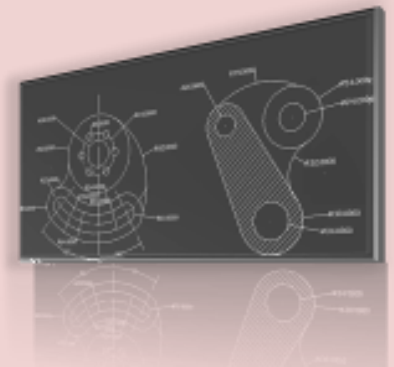
CATALOG 2010



**LEARN DRAFTING FOR MECHANICAL , CIVIL &
ELECTRICAL USING :**

**AUTOCAD
60 Hr.**

- Fundamentals of drafting, introduction of AutoCAD.
- Graphical user interface (GUI) of AutoCAD.
- Toolbars and menus, command window.
- Workspace, customizing the toolbars
- Start organize and save a drawing
- Restore or recover a drawing file, maintain standards in drawing
- Control the drawing views
- Selection of work process: single view drawing, multi view drawing, sheet set
- Create and modify object, use of precision tools.
- Block and attributes.
- Create and managing layers
- Hatches, notes, tables, dimensions and tolerances.
- Slide and script.
- Share data between drawing and applications, : external and Circular reference.
- Link and embed data (OLE)
- Cad standard checker, Batchstandard checker.
- Clipping the AutoCAD entities.
- Accelerator keys , grips
- Electronic transmit
- AUTOCAD design center, tool palette.
- Plot and publishing your drawing
- Layout management , view port
- Page setup, plot, and plotter wizard.



LEARN 3D CAD DESIGN USING :

**PRO - ENGINEER
100 Hr.**

- Fundamentals of Pro-E & its GUI.
- Data management and design conferencing
- Sketcher fundamentals, configuration of sketcher.
- Geometry creation and manipulation selection filters.
- Dimensioning and constraining sketched entities.
- Part design concept, planning your design.
- Parent child relation, configuring part environment.
- Base feature, Datum feature engineering features.
- Edit feature, construction and advance feature.
- Tweak features, user defined feature.
- Simplified representation, modifying the part.
- Part accuracy resolving features failure.
- Pro/assembly fundamentals, managing and creating quilts.
- Advance surface feature, ribbon surface.
- Flattening, bending and trimming quilts.
- Free from surface, creating solid from surface.
- Sheet metal fundamentals, design rules
- Designing for sheet metal, prepare part for manufacturing.
- Pro/drafting fundamentals, creating a drawing
- Assembly and multi sheet drawing , model views
- Dimensioning and detailing of the metal.
- Table report and Bom ballan, 2-D drafting.
- Markup-up and overlays , comparing and merging drawing
- Photo render fundamentals
- Appearance, light, environment, room, images
- Data exchange fundamentals.
- DXF, IGES, Step, Para solid, STL etc. file format.
- Redefining imported attributes, cleaning up imported geometry.



LEARN 3D CAD DESIGN USING :

**CATIA V5
100 Hr.**

- CATIA user interface
- Parametric modeling
- Manipulating objects
- Creating sketches
- Sketched features
- Placed features
- Transformation features
- Dress up features • Modifying parts
- Design table and external file
- Management
- Assembling components
- Positioning components using constraints
- Editing parts in assembly
- Exploding the assembly
- Creating wire frame geometry
- Creating basic and advanced surfaces
- Drawing view generation
- Editing view layout and properties
- Bill of Materials, Balloons.
- Wire frame and surface, advance surfaces geometry.
- Sheet Metal.
- Automatic dimensioning of a part
- Finalizing the drawing and printing • Dress up on 20 views
- Real time rendering
- CATIA V4 integration
- Data exchange



LEARN 3D CAD DESIGN USING :

**SOLID EDGE
100 Hr.**

- Solid Edge overview, environment
- Creating document and using templates
- Optimizing Solid Edge display performance , user assistance
- Viewing and orienting the model
- Drawing profiles , blocks, annotation,
- Drawing relationship and design modification.
- Instill sketch , intent zone, free sketch and free form,
- Feature modeling, reference element, treatment feature.
- Inserting part copies, direct editing, family of parts
- Feature construction procedure, constructing element procedure
- Feature editing procedure, simplify procedure.
- Format and inspection.
- Surface modeling in solid edge.
- Assembly fundamentals top-down and bottom up approach.
- Assembly layout, virtual component.
- Non-graphics part, explosion procedure.
- Analyzing assembly and detecting collision
- Assembly presentation
- Drafting fundamental, drawing standards
- Drawing sheet procedure, drawing view procedure.
- Dimensioning procedure, annotation procedure
- Displaying procedure, geometric tolerance
- Managing document and data, part, list, whole table.
- Sheet metal fundamental, flange, bend, deformation.
- Dimple, louver, bend, conversion
- Working with foreign data , file format
- Inspect the geometry of model, editing



LEARN STRUCTURE DESIGN & ANALYSYS USING :

STAAD.PRO
80 Hr.

- Classification of structures.
- Structure geometry and coordinate system
- How to generate joints and members
- How to assign structural Boundary Conditions
- Grouping and renumbering of joint and members numbers
- How to generate loads and load combinations
- Linear static analysis.
- Finite element information
- How to generate elements and elements mesh.
- How to generate elements loads
- Report generation.
- Print specifications.
- R.C.C. design as per IS800.
- Interactive design methods.



LEARN 3D ANIMATION , 3D PRODUCT DESIGN 3DS MAX 80 Hr.
GAME DEVELOPMENT & SPECIAL EFFECT USING :

3DS Max is a professional 3D animation rendering and modeling software package used mostly by game developers, design visualization specialists, and visual effects artists. Learn tips to create rich, complex design virtualizations, realistic game characters, or 3D film effects.



FEATURES :

- 3D Modeling
- Toon shading
- Material & Textures
- Lights & Rendering
- Animated logos for beautiful websites.
- Advertising Cartoon films.
- Training Programs Corporate presentations.
- Morphing.
- Game Texture
- Sound addition.
- Character animation.
- Special effects in films.

LEARN PROJECT PLANNING & MANAGEMENT :

CONCEPT 20 Hr.

- Instructions to Project Planning and Management
- What is a project?
- What is project management?
- Project management context
- Processes of a project management
- Initiation
- Planning
- Execution
- Controlling
- Closure
- Knowledge areas in a project
- Time management
- Cost management
- Scope management
- Quality management
- Risk management
- Human resources management
- Procurement management
- Integration management
- Communication Management



LEARN PROJECT PLANNING & MANAGEMENT :

MSP 30 Hr.

- Activities, Calendars - Definition,
- Sequencing & estimate duration
- How to develop- a schedule plan and / control
- Network analysis -CPM, PERT, PDM
- How to prepare Work Breakdown Structure (WBS)
- How to update WBS
- Constraints
- How to manage cost in a project
- How to do Resource Planning and Cost Estimation
- How to prepare Resource Sheet
- How to apply resource to each activity
- How to define Resource Pool and to allocate resources
- Filters and Grouping
- How Material Resources are being allocated
- Analyzing resources by leveling the resource using crashing, Stretching & splitting
- Earned Value Analysis
- Method of developing different types of reports according to Industrial needs
- Scheduling in multiple projects
- Customization



LEARN PROJECT PLANNING & MANAGEMENT :

PRIMAVERA
40 Hr.

- Introduction to project , planning and management,
- Introduction to project planning and management,
- Project management process Purpose of planning,
- Milestone chart, Primavera features, Introduction to P3 software,
- Play with P3 software Project plan, Adding a new project,
- Project overview ,Starting a project,
- Problem Introduction to planning logic -I,
- Play with P3 software Day calendar ,Hour calendar,
- Weekly and monthly calendar,
- Problem - day calendar Problem - hour calendar,
- Introduction to planning logic - II Understanding relationship,
- Adding relationship, Scheduling, Constraints, Pert view,
- Adding relationship in pert view ,Problem Activity code,
- organizing activity, WBS (Work Breakdown structure) ,
- organizing WBS codes, filters, ;layout, problem Defining resources,
- assigning resources, resource curve, cost account, estimating cost,
- and problem. Resource histogram , resource table, problem Resource leveling,
- custom data items, problem Activity types, fragments, format, Problem- Project
- Group, project codes, and problem. Setting target, recording Progresses,
- progress spotlight, earned value analysis, store period performance,
- problem Reports, graphics, problem Report writer, global change, Problem Project unitizes,
- check in / checkout projects, Auto cost rule, MPX conversion, Problem, Problem solving,
- page set up Problem solving, working with hyperlink, insert object Format Bars,
- timescale settings, print Creating multiple project no -1
- Creating multiple project no -2Express revision part – 2 Final test Exclusive ideas about primavera.



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NO.	COURSE NAME	COURSE CONTAIN	DUR.	FEES(Rs)
1	2D DRAFTING FOR MECHANICAL CIVIL & ELECTRICLE	AUTOCAD 2007 LT	60 Hr.	3000/-
2	3D CAD DESIGNING (ANY ONE SOFTWARE)	PRO-E / CATIA/ SOLID EDGE	100 Hr.	8500/-
3	CIVIL STRUCTURE DESIGN & ANALYSYS	STAAD.PRO	80 Hr.	8500/-
4	PROJECT PLANNING & MANAGEMENT – I	CONCEPT + MSP	50 Hr.	4500/-
5	PROJECT PLANNING & MANAGEMENT – II	CONCEPT + PRIMAVERA	60 Hr.	8500/-
6	PROJECT PLANNING & MANAGEMENT – III	CONCEPT + MSP + PRIMAVERA	100 Hr.	10500/-
7	DIPLOMA IN CAD/CAE	AUTOCAD + PRO-E/CATIA/ SOLID EDGE (ANY TWO S/W)	240 Hr.	15000/-
8	DIPLOMA IN MCAD	AUTOCAD + PRO-E + CATIA + SOLID EDGE + MSP + CONCEPT + PRIMAVERA	480 Hr.	32000/-
9	DIPLOMA IN CIVIL CAD	AUTOCAD + STAAD.PRO + MSP + PPM+ PRIMAVERA+3DS MAX	240 Hr.	20000/-