AutoCAD 2D Advanced – Course Outline and Schedule

Prerequisite: Working knowledge of AutoCAD 2D

Suitable for: Those who already know 2D basics, and wish to go deeper into 2D– title blocks, scales, deeper block knowledge, adding table or excel data to drawings, isometric drawings. Helpful for strengthening AutoCAD knowledge within team for documentation, presentation, team drawing flow.

Course Description
In larger teams, a new challenge occurs. Different members of the team would need to reuse components or objects which has been drawn before. This course would help them to organize all the different information in a standardized way across the organization. It will also help create participants create templates, where other members of the organization could follow and use, instead of creating a new and non-uniform drawing each time.

Target Audience: Those who already have a 2D knowledge of AutoCAD – Draughtsman, Assistant Engineers and Engineers in the field of Mechanical, Civil, Road, Transport, Oil and Gas, Manufacturing, Industrial, Chemical and Petroleum. Product Engineers. Architects and Interior Designers who wish to go on to 3D to enhance their skills.

Learning Objectives:
Upon Completion of this course, students will be able to create proper drawing standards and templates for their team. They would be also be able to create proper databases for them to manage many different drawings and components so that it could be shared across teams.

Methodology
Life practical hands-on sessions 70% and 305 Theory. Students will have mastered with confidence subject matter, to be able to independently pursue subject matter by the end of class.

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DAY 1

Time	Subjects
9.00 -10.30 am	1. Introduction 2. Run through of previous 2D Learnings
10.30 -12.00 pm	3. Drawing Objects • Revision Objects • Wipeout clouds
12.00 -1.00 pm	Lunch
1.00 - 3.00 pm	4. Creating Title Blocks • Starting from scratch and creating title blocks • Creating Layouts
3.00 - 5.00 pm	5. Layouts and views • Modifying Layouts and Using Page Setups • Creating Layout Viewports • Working with Layout Viewports

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Day 2

Time	Subject
9.00 – 12.30 pm	6. AutoCAD Reusable content (AutoCAD Design Centre • Reusable content from different files • Customized toolbars • Importing blocks and layers from different files 7. Using Blocks and Attributes • Adding extra data to blocks 8. Working with Tables • Extracting Attributes to Tables • Exporting and Importing Tables • Creating Tables Linked to External Data
12.30 — 2.30 pm	Lunch
2.30 —5.00 pm	9. Isometric drawing • Understanding angles • Understanding the 3D views • Drawing 3D looking objects

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