Technical Training Program (CL5)

Title: Advanced AutoCAD

Trainer name: **Vijith Kartha**
Number of trainees: **14**
Training level: **CL5 (Evaluate)**

Mode of Instruction: **Online / Offline**
Training Duration: **5 hours**
Assessment Method: **MCQ & Software Test**

Course Prerequisites: -

1. Computer Aided Designing (CAD).
2. Basics of Autodesk AutoCAD LT.

Course Outcomes: -

Upon successful completion of the program, the trainees will be able to:

1. Understand the complete layout/templet of AutoCAD LT.
2. Use & incorporate advanced options, commands & shortcuts in AutoCAD.
3. Make desired user customization in the software to improve one's productivity.
4. Construct complex, multi layered drawings faster & with less errors.

Course Contents

Module - 01

A comprehensive tour of Autodesk AutoCAD LT: Understanding User Interface(UI), Study on various sections such as Viewing, Geometry, Modifying, Precision, Properties, Notes & Labels, Blocks, Layers, Layouts, Dimensions & Printing.

Duration- **2 hours**

Module – 02

Productivity improvement techniques & methods: Working with advanced options/settings, AutoCAD commands & shortcuts, Customization according to User Preferences, Performance boosting, Tips & tricks to improve productivity & reduce drawing mistakes/errors.

Duration- **2 hours**

Module – 03

Practical Exercises: Construction of complex multilayered drawings, evaluation & quick validation of drawings & exporting.

Duration- **1 hour**

Self-Learning Exercise (SLE):

Differences between AutoCAD & AutoCAD LT, Interfacing with other software, AutoCAD Add-ons, LISP & its relevance with AutoCAD.

Reference documents:

1. AutoCAD LT 2013 – User's guide.
2. AutoCAD for Dummies, 18th edition – by Bill Fane.

Assessment method:

1. Pretest will be conducted by the trainer to assess the level of familiarity the trainees have with the subject.
2. Post-test will be conducted for 20 marks. 10 marks shall be allotted for Multiple Choice Questions (MCQ) & remaining 10 marks for AutoCAD Drafting test.

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