CADD ET0085

WEEK 3 – LESSON INSTRUCTIONS AUTOCAD 2020

Objectives:

To comprehend basic 2D-AutoCAD 2020 and draw efficiently Part 3.

Topics:

1. Introduction to **Dynamic Text** settings, insertion & placement
2. Introduction & Creation of **Layers:** New, Colour, Linetype, Linetype scale, current, lock, freeze, thaw, on & off layers.
3. **Exercise 3:** Drawing Practice

Before continuing Lesson 3 on Setting Text & Layers, Basic 8 settings, Creating the 6 frequently used toolbars, must be done as shown below and utilises knowledge on all the DRAW & MODIFY commands learnt in Week 1 & 2:

Basic Settings in AutoCAD 2020 (8 Settings)

1. Read BB→ Learning Resources→ LAB:
   i. UNIT 1 (Read completely & Practice & set all the 8 settings):
      - Page 44 to 58
      - It's important to complete all 8 settings before commencing on any AutoCAD drawings as it helps to complete drawing efficiently

Creating Frequently used Toolbars

1. Read BB→ Learning Resources→ LAB:
   i. UNIT 1A (Read completely. Practice & create Frequently used toolbars using AutoCAD 2020) especially:
      - Page 19 to 26 to learn how to insert frequently used toolbars efficiently. Complete this insertion of frequently toolbars in your Notebook. The frequently used toolbars will appear subsequently even when you logout and then login again later.
      - Page 27 to learn how to save & open files
      - Page 40 to 43 to learn keyboard shortcuts
      - All these methods helps to draw efficiently

2D AutoCAD DRAW Commands

1. Read BB→ Learning Resources→ LAB:
   i. UNIT 2 (Read Practice Topic on DRAW Commands) especially:
   ii. Page 59 to 83 to learn & practice the DRAW commands learnt in Week 1 & 2.
   iii. Videos on Draw commands are available as shown in the link Introduction to AutoCAD 2020 at the beginning of Week 1 HBL lesson. Google or find in utube the AutoCAD 2020 DRAW commands for more information.

2D AutoCAD Modify Commands

1. Read BB➔ Learning Resources➔ LAB:
i. UNIT 3 (Read & Practice Topic on MODIFY Commands) especially:
ii. Page 84 to 104 to learn & practice MODIFY commands learnt in Week 1 & 2.
i. Videos on Modify commands are available as shown in the link Introduction to AutoCAD 2020 at the beginning of Week 1 HBL lesson. Google or find in utube the AutoCAD 2020 MODIFY commands for more information.

Introduction to Dynamic Text

1. Read BB➔ Learning Resources➔ LAB:
ii. UNIT 1 (Read & Practice Setting of Text Style on Page 50)
iii. UNIT 2 (Read & Practice Multiline Text and Dynamic Text commands on Page 81 & 82
iv. Videos on Text commands are available as shown in the link Introduction to AutoCAD 2020 at the beginning of Week 1 HBL lesson. Google or find in utube the AutoCAD 2020 MULTILINE TEXT and DYNAMIC TEXT commands for more information.

Introduction & Creation of Layers

1. Read BB➔ Learning Resources➔ LAB:
i. UNIT 1 (Read & Practice Setting of Layer between Page 55 & 58)
ii. UNIT 4 (Read & learn Layers between Page 111 & 112)
iii. Videos on Layer setting & commands are available as shown in the link Introduction to AutoCAD 2020 at the beginning of Week 1 HBL lesson. Google or find in utube the AutoCAD 2020 LAYER setting & commands for more information.
iv.

Exercise 3: Drawing Practice

2. Read BB➔ Learning Resources➔ LAB:
i. UNIT 6 (Exercises for Practice using AutoCAD) especially:
- Page 137 to 138 (Exercise 3): Practice & Learn how to draw object including text insertion and layers in Exercise 3. Practice inserting Text and Layers in Exercise 2 as well.
- Ignore drawing the dimensions as it's not covered yet.
- Save in File Name: ADMISSION NO-FULL NAME-EXERCISE 3 (All capital letters)
  Submission requirement in Week 5 or according to lecturer's instruction. Submission through BB➔GROUP➔CLASS➔GROUP DISCUSSION BOARD➔Post submission in Thread= EXERCISE 3➔File Name: P2012345-TAN AH KOW-EXERCISE 3
- This Exercise 3 helps to re-enforced your comprehension of AutoCAD 2020 introduction, setting and application of Basic Draw, Modify and text and techniques to insert commands.

END OF WEEK 3 LESSON