



AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH (AIUB)

**Department of CSE
Computer Aided Design and Drafting**

Section: L

Experiment No: # 02

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Id: 22-49172-3

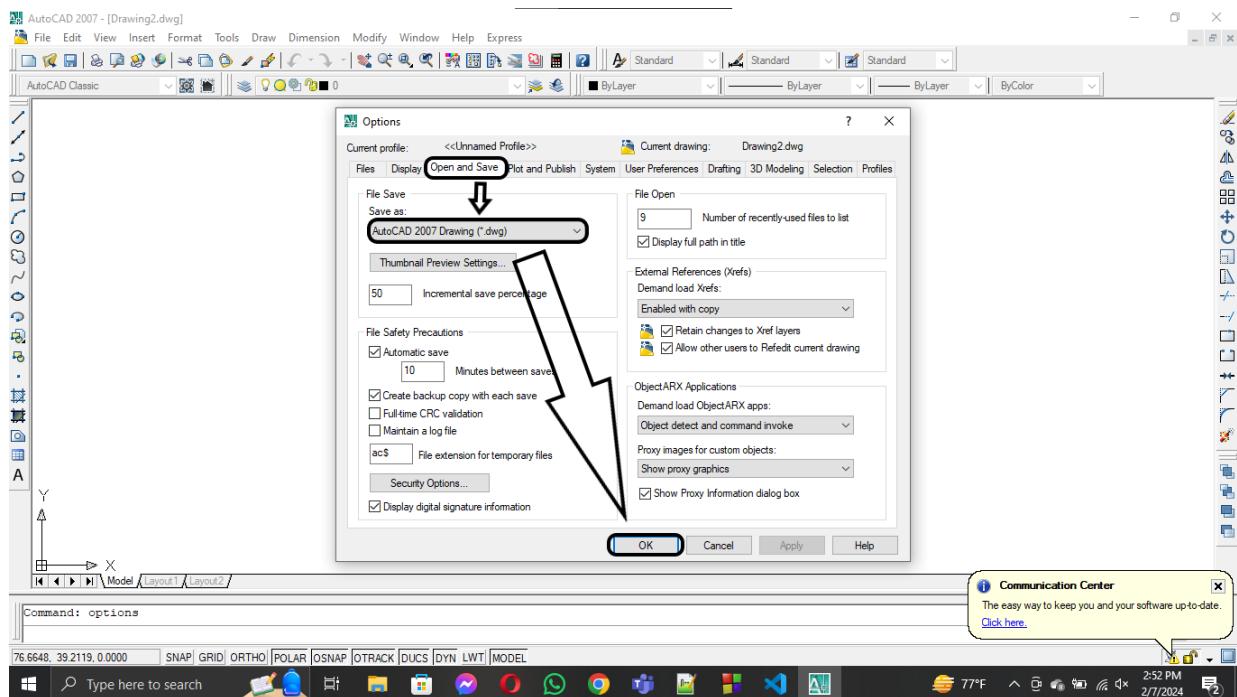
Supervised by: MD. RAKIBUL ISLAM CHOWDHURY

Name of Experiment: Familiarization with different toolbars and command of AutoCAD software.

AutoCAD Comments:

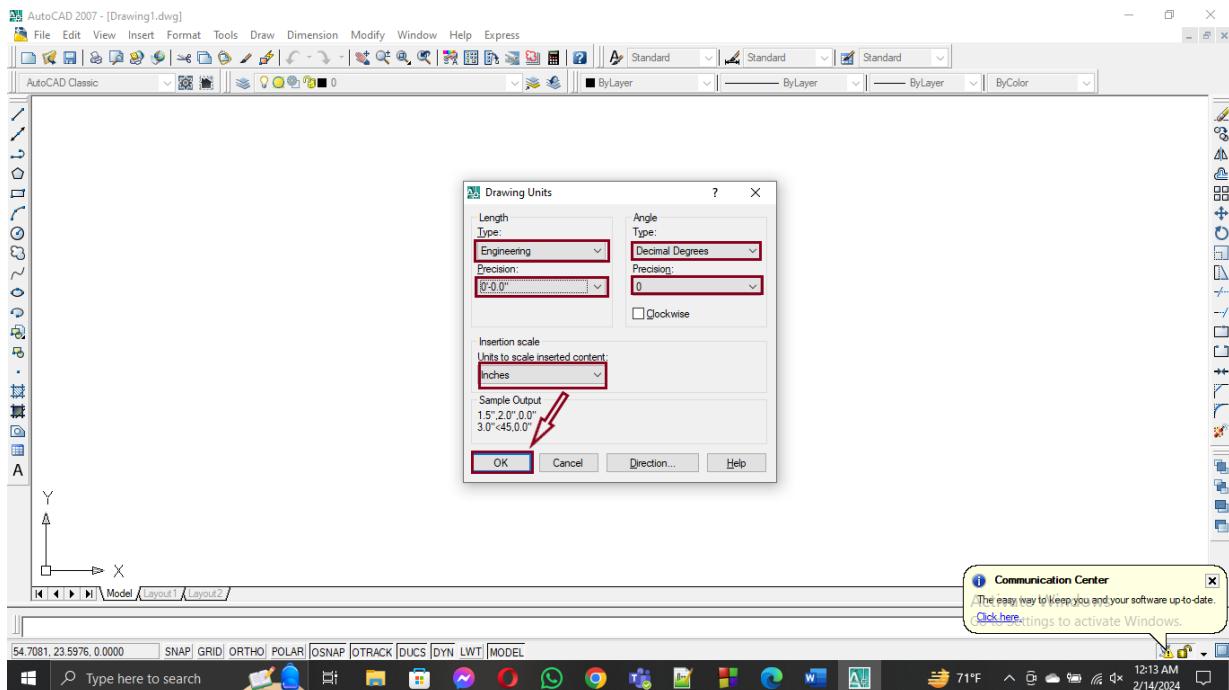
1. How To Save File In AutoCAD :

Type options >> Enter Key >> Open and Save >> **Save as: AutoCAD 2007 Drawing (*.dwg)>> OK**



2. How To Setup Units In AutoCAD :

Type units>> Enter Key >> Type : Engineering, Decimal Degrees >> Precision : 0' - 0.0" , 0 >> Scale : Inches >> OK



3. How To Draw A Line In AutoCAD:

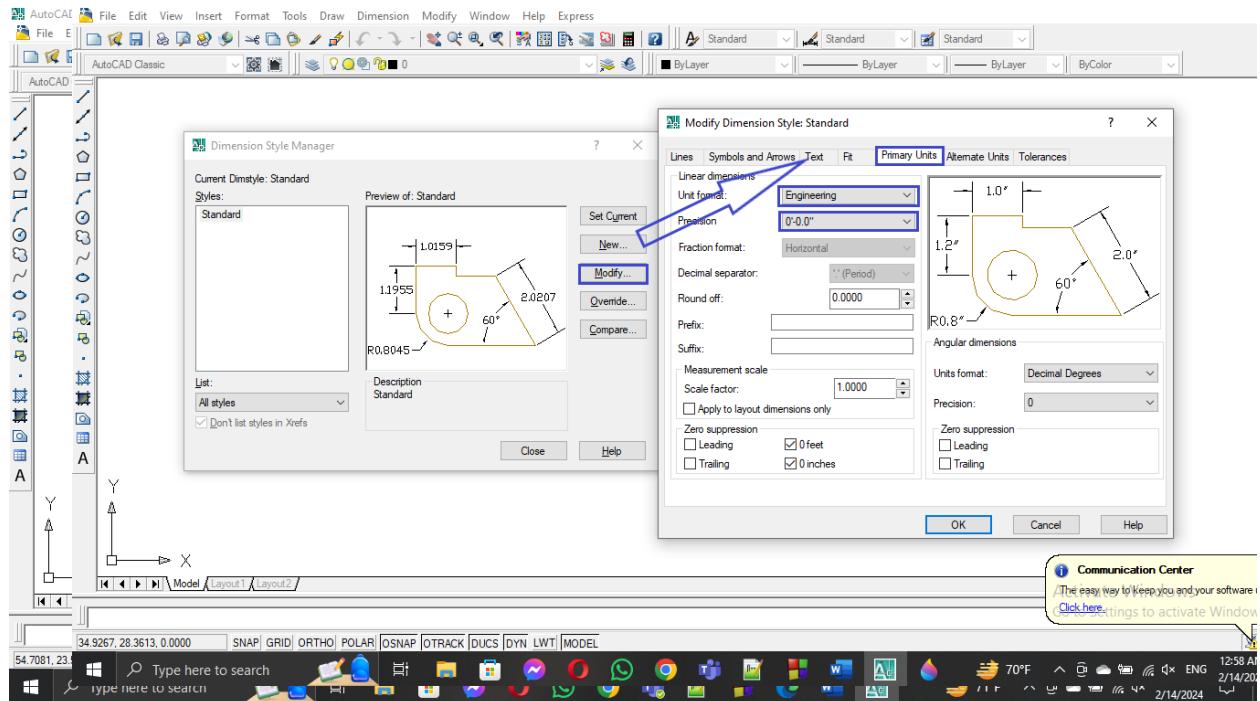
Type L >> Press Enter Key >> Left Click >> Put the Crosshair in the Right side and specify the Distance >> Press Enter Key >> Press Esc(Exit from Line) .

4. How To Regenerate In AutoCAD:

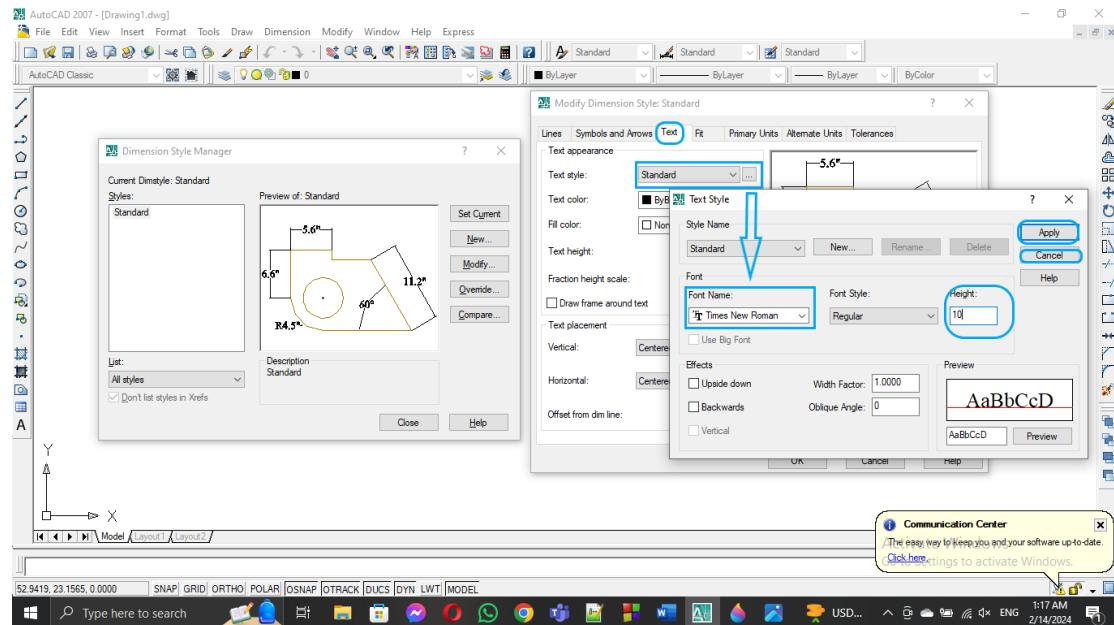
Type **regen** >> Press Enter Key

5. How To Dimension Style Setting In AutoCAD :

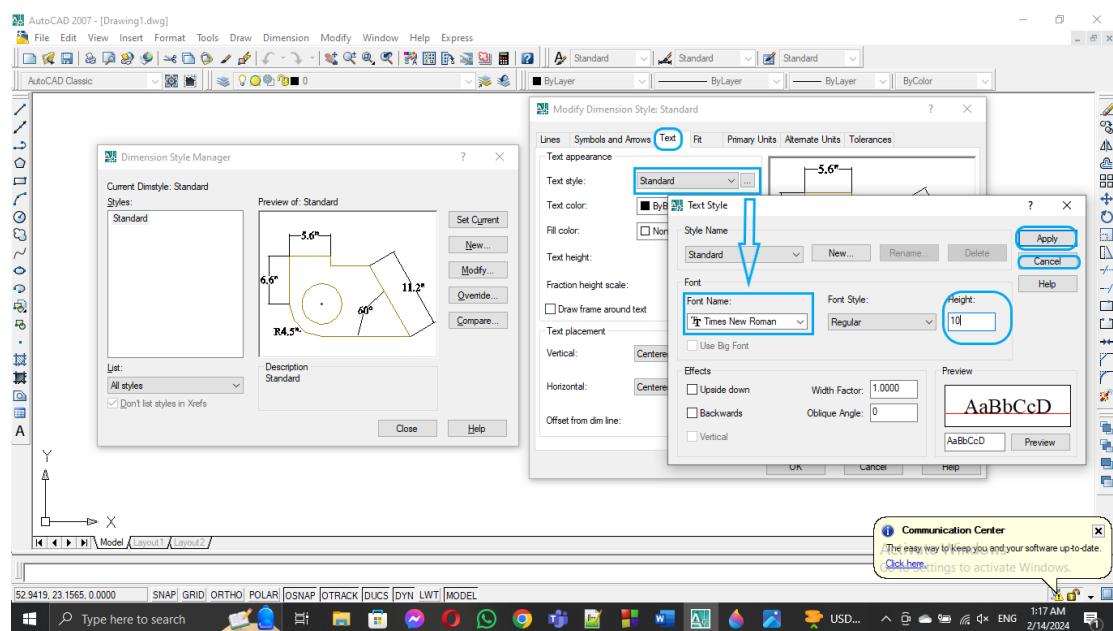
1. Type **dimsty** >> Enter Key >> modify >> Primary Units >> **Unit format : Engineering** >> **Precision : 0' – 0.0"**



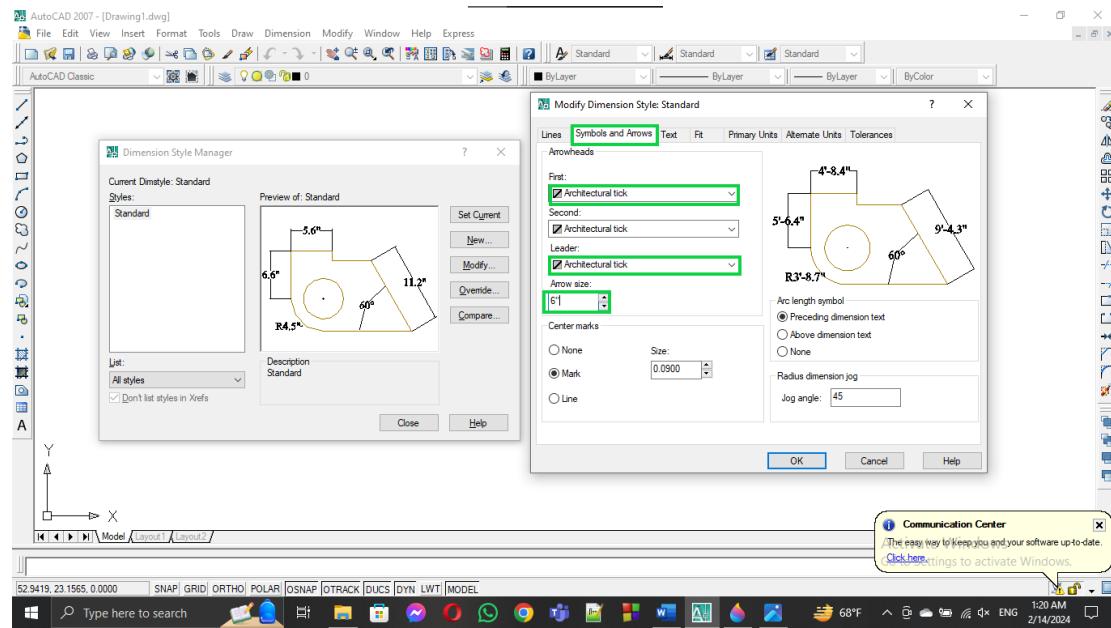
2. Text >> Text Style : ... >> modify >> Font Name : Times New Roman >> Height : 10" >> Apply >> Close



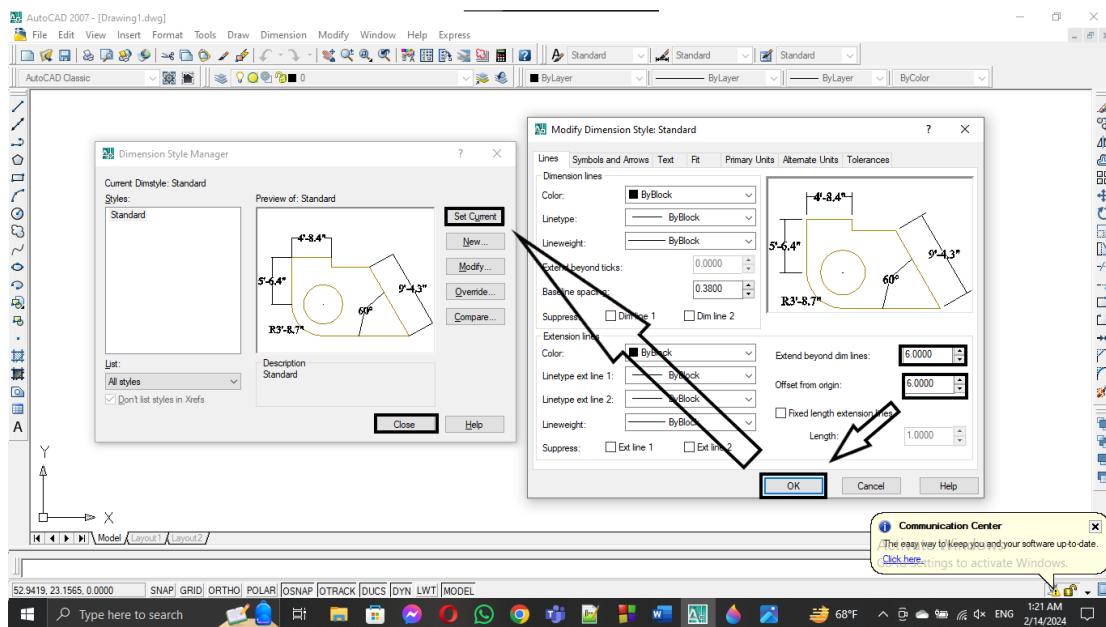
3. Text >> Text Height : 10"



4. Symbol and arrows >>First : Arch. Tick >> Leader : Arch. Tick >>ArrowSize: 6"



5. Lines >> Extend Beyond : 6" >>Offset from Origin : 6" >> OK >> set Current >> Close



6. How To Calculate Line Length In AutoCAD :

For Linear Line : Type dimlinear >> Click On First Point >> Click On Second Point >> Place the dimension line above the main line

For NonLinear Line : Type dimaligned >> Click On First Point >> Click On Second Point >> Place the dimension line above the main line

7. How To Calculate Angle Between Two Lines In AutoCAD :

Type dimangular >> Click On First Point >> Click On Second Point >> Place the dimension line Between two lines .

8. How To do off set operation In AutoCAD :

Type O >> Enter Key >> Specify distance >> Enter Key >> Select Object >> Click on the Side where you want to off set.

9. Type tr >> Enter Key >> Enter Key