

LABORATORY WORK SHEET

Name of the Student :	contract to No. Monte of the contract of the c				
		Roll Number			
Course Code: AME D03	Semester First sem Course Name: Fngineering graphis	1 . 0 5 = 1			
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Exercise Number :	Week Number :	Date :			
DAY TO DAY EVALUATION:					

Marks Pr	Aim /	Algorithm / Procedure	Source Code	Program Execution	Viva - Voce	Total
	Preparation	Performance in the Lab	Calculations and Graphs	Results and Error Analysis		
Max. Marks	4	4	4	4	4	20
Obtained	1°7 . 1°2	, e		a v		

Signature of Faculty

START WRITING FROM HERE:

1. Getting started Exercises

1.1 Introduction to AUTOCAD

Auto(AD is a widely-used computer-aided design (CAD) by AutoDesk. It has developed application software industry standard for drafting and desingning an early 1980s. Auto CAD provides inception in th its a versatile platform for creating and editing 20 and models, making it an essential tool drawings and 3 D various fields architecture, such as engineering, in and more. construction, manufacturing

- is install Auto CAD
- in Purpose and application

- iii) Interface and tools
- iv) Precession and accuracy
- v) 20 and 30 modelling
- vi) (ollaboration and sharing
- vii) Customization
- viii) Industry Usage
- ix) Versions and Licensing

1.2 Commands

The main purpose of using commands and shortcuts in Auto(AD) boils down to increased productivity. They allow you to execute functions more quickly, as you don't need to search through the entire Auto(AD) interface for the right tool. You can just type the command, and the function window appears.

- in Basic Drawing Commands
- in Editing Commands.
- iii) Dimensioning Commands.
- iv) Advanced and Miscellaneous Commands.
- · Basic Drawing Commands
- -> Line (LINE): Praws straight line segments between two points
- -> (ircle (circle): creates circles by specifying a center point and radius.
- -> Rectangle (RECTANALE): Construct) rectangles by defining two opposing corners.

- Such as specifying start, and angle.
- · Editing Commands
- Frase (ERAJE): Deletes selected objects from the drawing.
- -> Copy (copy): (opies objects to a specified location.
- → Move (Move) ! Relocates selected objects to a different position.
- → Irim (TRIM): (uts selected objects at the cutting edges defined by other objects.
- boundaries of other objects.
 - · Dimensioning Commands.
- -> Line Dimension (DIMLINEAR): Adds linear dimensions to objs.
- -> Aligned Dimension (DIMALIGNED): (reates dimensions aligned with an angle of the object
- -> Radial Dimension (DITIRADIUS): Add radius dimensions to arcs and circles.
- → Diameter Dimension (DIMPIAMETER): Creates diameter
 dimensions tor circles.
 - · Advanced and Miscellaneous Commands
- Hatch (HATCH): Fills enclosed area with a pattern or gradient
- -s offset (OFFSET): (reares paralled copies of objects at a Specifical distance.

ROLL NUMBER:

- > Block (Block): Defines reusable blocks (collection of objects)
 in the drawing.
- Insert (INSERT): Inserts predefined blocks into the drawing.
- → Viewport (uports): Manages Viewports for layouts and plotting in paper space.
- -> Layer (LATER): Manages layers for organizing and controlling object visibility.