

Experiment Details

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| Department Name | Civil & Environmental Engineering |
| Class | S.Y. B.Tech. |
| Semester | 3 |
| Subject Name | Computer Aided Design Laboratory |
| Experiment No. | 1 |
| Experiment Name | Basic Commands for Auto CAD |

Version History

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| --- | --- | --- | --- | --- |
| Sr. No. | Version Number | Created By | Approved By | Date |
| 1 | 1.1 | Tanmay S Kalekar | Shailesh Mohite | 22/10/2020 |
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**AIM:**

To study the basic commands for Auto CAD

**THEORY:**

AutoCAD is a commercial computer-aided design & drafting software application. To be quick and fast it’s better to know the basic commands required for any drawing.

**PRE TEST:**

1. Presently which is the latest version of AutoCAD software ?
2. 2015
3. 2017
4. 2019
5. **2020**
6. AutoCAD was first released in the year:
7. **1982**
8. 1962
9. 1985
10. 1966
11. Which of the following is not a polygon ?
12. **Circle**
13. Square
14. Rectangle
15. Hexagon
16. AutoCAD is used to draw only 2D drawings.
17. True
18. **False**
19. Which mode allows the user to draw 90 degree straight lines ?
20. Osnap
21. **Ortho**
22. Linear
23. Polar Tracking

**PROCEDURE:**

1. **L Enter (Line):-** A line can be one segment or a series of connected segments. Each segment is an individual object. You can specify the length.
2. **C Enter (Circle):-** You can specify radius or diameter.
3. **Rec Enter (Rectangle):-** A rectangle is a closed rectangular shape. It is one object not 4 lines. You can specify the length, width, area. Square is also drawn by using this command.
4. **Pol Enter (Polygon):-** A polygon is an object with multiple sides of equal length. You may specify from 3 to 1024 sides.
5. **Po Enter (Point):-** A point is an object that has no dimensions & only has location. A point can be represented by various designs as available in the software.
6. **Tr Enter (Trim):-** It is used to trim an object to a cutting edge.
7. **M Enter (Move):-** It is used to move object from their current location to new location.
8. **Co Enter (Copy):-** The copy command creates duplicate set of the objects selected

**POST TEST:**

1. L command is used to draw :
2. Circle
3. Square
4. **Line**
5. Rectangle
6. Pol (Polygon) Command is used to draw only 5 sides object.
7. True
8. **False**
9. Rect is a command for Rectangle.
10. True
11. **False**
12. Which of the following command is used to copy ?
13. c
14. **co**
15. cp
16. None of the Above
17. Commands in AutoCAD are not case sensitive. (i.e. upper case & lower case letters doesn’t matter.)
18. **True**
19. False

**REFERENCES:**