

Topic

1. **Introduction**
CAD DESK, AutoCAD, GUI, Commands, use of mouse and keyboard, File extensions, Limits (**LI**), units (**UN**), selection, Views
2. **2D Drafting**
Drawing Toolbar –Point (**Po**), Co-ordinate systems (PCS [**@L<A**]; RCS [**@x, y**], ACS [**x, y**]), Line (**L**), Construction Line (**XL**), Polyline (**PL**) [2D & 3D], Ray (**RAY**), Point style manager (**DDPTYPE**)
3. Circle (**C**), Ellipse (**EL**), Arc (**A**), Polygon (**POL**), Rectangle (**REC**)
4. Spline (**SPL**), Divide (**DIV**), Measure (**MEA**), Donut (**DO**), Wipeout (**WI**), Hatch (**H**), Gradient (**GRA**), Boundary (**BO**)
5. Drafting –Infer Setting Toolbar constraint (**INFE**), Snap (**F9**), Grid (**F7**), Ortho (**F8**), Polar (**F10**), Object Snap (**F3**), 3D object Snap (**F4**), Object Track (**F11**), Dynamic UCS (**F6**), Dynamic Input (**F12**), Line weight, Quick property, selection cycle
6. Modifying Toolbar –Move (**M**), Rotate (**RO**), Scale (**SC**), Erase (**E**), Copy (**CO**), Mirror (**MI**), Trim (**TR**), Extend (**EX**), Explode (**X**), Stretch (**S**), Offset (**O**), Array (**AR**), Fillet (**F**), Chamfer (**CHA**)
7. Edit – Polyline (**PE**), Spline (**SPE**), Hatch (**HE**), Array, lengthen (**LEN**), Join (**J**), Break (**BR**)
8. Annotation –Single line text (**DT**), multi-line text (**T**), Dimensions (**Qdim**), multileader (**MLD**), Table (**TB**)
9. Styles Managers– Text Style (**ST**), Dimension style (**D**), Multileader style (**MLS**), Table Style (**TS**)
10. Layer –Layer Property manager (**LA**), Layer Isolation (**LAISO**), Layer Unisolation (**LAUNISO**)
Block– Make Block (**B**), Insert Block (**I**), Dynamic Input, Block Attribute
11. Properties – Object Color, Line weight (**LW**), Line type (**LT**), List (**LI**), Match Property (**MA**), Filter (**FI**) Group – Make group (**G**), Ungroup (**UNG**), Group edit
12. Palettes – Tool palettes (**TP**), Design Center (**DC**)
13. Parametric – Geometric and Dimensional Constraints
14. Express Tools – Auto Numbered, Arc Text, Break line symbol, Super hatch
15. Linking and Extraction – Data link, Data extraction, special paste, OLE
16. Plotting – Printing setting, Layout, Import, Export, Workspace
17. Demo on Advance Software – Demo on creo,catia,Solidworks.
18. Introduction – View manager, Visual style, 3D Modeling
19. Solid Editing toolbar,Solid Editing toolbar,
20. Modifying toolbar, Material, Lights, Camera, Render, Animation
- 21-30 Projects on Automobile and other components