AUTOD-CAD

Duration: 3Month

Week Plan

Prepared by
Research & Development Department

Topics To Be Covered		
Module-I **Week 1** *Introduction*		
1.	o What is Auto CAD? o Why it is used? o Where it is used? o How it is used? o What are its components?	
2.	o What is Submission?	o What are the details of Submission?
3.	o Parts to explain! o What is a key plan? o Why the key plan is made? o What is Elevation? o What is the purpose of Elevation?	
4.	o Calculations for Elevation! o What is a layout plan?	o Why it is made for? o What is Foundation? o Details of Foundation?
5.	o What is a Key plan? o How it is made?	o What is Section? o Details of Section?
Assessment # 1		
Week 2		
6.	o What is Beam? o Importance of Beam?	o What are the standard size of door and window?
7.	o Previous revision o Commands to read o Line command	

	o Offset command o Fill it command o Arc command	
8.	o Implementation of commands	o Architectural part
9.	o Drawing o How to make door o How to make wall o How to make window	
10.	o How to make a single room o Implementation of commands	o How to make double room o Rooms with attach washroom
Week 3 **Writing Concept**		
11.	o Explanation of bricks and tiles o Concreate and concreate blocks	o Other commands o Trim command o Extend command o Copy command
12.	o Building components o Foundation	o D.P.C o R.C.C
13.	o Floor o Types of symbol of material and conversion	o Stairs o Roof
14.	o Software settings o Commands of settings o Un+ enter	o D+ enter o Ds+ enter o St+ enter

	o Z enter E enter o Z enter A enter	o Op+ enter
15.	o Control the drawing limits o Status bar o Grid display	o Zoom extent o Control the drawing display
Week 4		
16.	o Dimension settings o How to take dimension o How they are used?	o Dal+ enter o Dal+ double enter o What are layers?
17.	o Create different layers? o Manage the layers	o Symbols of layers o Use of colors in layers
18.	o Systems o British system	o Matrix system
19.	o Practical day	
20.	o Coordinates o Conversion of matrix system	o Calculation of matrix system
Assessment # 2		
Week 5		
21.	o Practical day	
22.	o Practical day	
23.	o What is map? o Map reading	o Explanation of map o Learn map(theory)
24.	o Other commands o Move command o Stretch command o Rotate command	

25.	o Stairs o Type of stairs o Standard size of roof and parapet	o Know about thickness and Elevation o Standard size of stairs
Week 6		
26.	o Treed o Raisers	o Details of raiser and treed
27.	o Practical day	
28.	o What are coordinates? o How to use them?	o East o North
29.	o Detail practical day	
30.	o Create a proper project o Visualize the model	o Insertion of doors and windows
Week 7 **MID TERM**		
31.	o Other commands o Xl+ enter o Height for elevation o Details in elevation?	
32.	o Explanation o D.P.C o R.C.C	o Gravel o Sand o Earth
33.	o Practical day	
34.	o Practical day	
Module-II		
35.	o Foundation o Types o Depth of foundation	

	o Calculation of foundation	
Week 8		
36.	o Detail section o Section of steel o Study edge	o Water supply o Sub tick tank
37.	o Lentil o Beam	o Details of beam o Hatch command o Usage of hatch
38.	o Section drawing o Text command o Symbol and used terms	o Super structure o Filling of covered area
39.	o Practical day	
40.	o Detailed used of commands	
Assessment # 4		
Week 9		
41.	o Create solids o Orthographic projections	o Scales o Scales used in civil
42.	o Navigations in windows o Filling in covered areas o Object o Sectional views	
43.	o Practical day	
44.	o Practical day	
45.	o Drawing orthographic views of different wooden blocks o Completion of missing views when two views are given	

	o Drawing full sectional views of hollow concreate block	

Week 10		
46.	o Plan o Details addition	o Detail plan of map
47.	o Practical day	
48.	o Elevation	o Detailed practice
49.	o Section o Detailed section	
50.	o Difference between elevation, section and plan	

Week 11		
51.	o Symbols and terms used o Commands learning	
52.	o Submission drawing	o Working drawing o Edit solids
53.	o Components of frame structure o Necessary data for details	
54.	o Practical day	
55.	o Practical day	

Week 12		
56.	o Angular dimensioning o Diameter and Radius dimensioning o Ordinate dimensioning	

57.	o Other commands o Cylinder command	o Knurl command o Chamfer command
58.	o Practical day	

59.	o Completion of 2D section
	o Extended questions
60.	o Practical day
	o Complete practice of 2D framework
61.	o Introduction to 3D section
	o What is 3D?
	o Importance of 3D?
62.	o Commands to enter and exit in 3D
	o Vp + enter
	o Plan + double enter
	o Read map in 3D
63.	o Working in 3D
	o Use of polyline
	o Rectangle command
	o Extude command
64.	o Calculation for extude command
	o Use of extude command
	o Subtract command
	o Change command
65.	o Practical day
66.	o Making plan in 3D
	o Explained part of views
	o Making of door
	o Making of window
	o Making of ventilation
67.	o Choosing closed area
	o Completion of 3D project
	o Explode command
	o Joint command
	o Making parapet
68.	o Practical day
69.	o Detail questioning for 3D section
	o Employ materials
	o Study rendering

	o Employ lights
	o Employ camera
70.	o Final project
	o Orientation and job market
Assessment # 8	

Dear Students,

May you have a wonderful future filled with blessings and success. I wish you all the good luck in the field of Life.

Always choose to be positive and optimistic over being negative and pessimistic.