



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

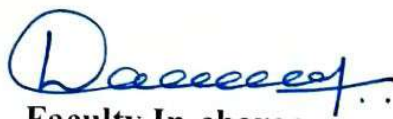
Dindigul – Palani Highway, Dindigul 624 002

Date: 10.01.2020

CIRCULAR

It is planned to conduct Value Added Course for III year students by Department of Civil Engineering along with CADD technologies school of design Pvt. Ltd.

S.No	Year	Name of the Course	Period	No. of days
1.	III Year	REVIT ARCHITECTURE	27.01.2020 TO 31.01.2020	5 days


Faculty In-charge


HoD/Civil




Dr. D. SENTHIL KUMARAN, M.B., Ph.D., (NUS)
Principal
SSM Institute of Engineering and Technology
Kuttathupatti Village, Dindigul (Pal),
Palani Road, Dindigul - 624 002.



**SSM Institute of Engineering and Technology,
Dindigul - 624 002**

DEPARTMENT OF CIVIL ENGINEERING



Cad Technologies School of design Pvt. Ltd.

Technology Training

Handwritten signature in green ink.

Revit Architecture

Third year (19-20)

Cadd Technologies School of design Private Limited

Coimbatore

Total Hours: 50 Hrs.

Content:

- ✓ Introduction to Revit & Building Basics, BIM Concepts
- ✓ Default Template settings, User Interface, Datum
- ✓ Model- Draw, Linestyle & Modify
- ✓ Architecture - Wall types & Duplicate creations, Door, Window
- ✓ Text - Dimensions - Aligned, linear, Angular, Arc length, Radial & Diameter
- ✓ Architecture - Place a component, Column & Duplicate creations
- ✓ Floor creations, Roof Creations, Room & Area
- ✓ Opening & Circulation
- ✓ Architecture - Curtain wall, Curtain Grid and Mullion – Model text
- ✓ Work Plane, Model in Place - Extrusion, Revolve
- ✓ Create- 3D View, section, plan views, Elevation
- ✓ Quantity Take off and Cost – Schedules
- ✓ Massing & Site (Model & Modify site, Conceptual Mass & Model by face)
- ✓ Insert (Decal, Import CAD & Link Revit & CAD – Manage – Materials – Material Creations - Lighting
- ✓ Family Creations - Blend, Sweep, Sweptblend - Void Forms - Extrude, Blend, Revolve, Sweep, Sweptblend
- ✓ Rendering, Walkthrough
- ✓ Exterior Model Concept, Interior Model Concept
- ✓ Lumion Introduction and its application
- ✓ Interactive Session – 2 days




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SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY, DINDIGUL.

DEPARTMENT OF CIVIL ENGINEERING - VALUE ADDED COURSE (REVIT ARCHITECTURE)

III YEAR

S.No	NAME	27.1.2020		28.1.2020		29.1.2020		30.1.2020		31.1.2020		
		FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	
1	Abdul Kareem J	/	/	/	/	/	/	/	/	/	/	Abdul Kareem J
2	Anand S	/	/	/	/	/	/	/	/	/	/	Anand S
3	Aravindhan M	/	/	AB	AB	/	/	/	/	/	/	Aravindhan M
4	Aravind Sriram S	/	/	/	/	/	/	AB	AB	/	/	Aravind Sriram S
5	Arul Jose Angeline P	/	/	/	/	/	/	/	/	/	/	Arul Jose Angeline P
6	Arun K G	/	/	/	/	/	/	/	/	/	/	Arun K G
7	Ashwin Bharath V	/	/	/	/	/	/	/	/	/	/	Ashwin Bharath V
8	Balaji G	/	/	/	/	/	/	/	/	/	/	Balaji G
9	Balaji N	/	/	/	/	/	/	/	/	/	/	Balaji N
10	Balamurugan M	/	/	/	/	/	/	/	/	/	/	Balamurugan M
11	Chinna Kannan S	/	/	/	/	/	/	/	/	AB	AB	Chinna Kannan S
12	Deepika G	/	/	/	/	/	/	/	/	/	/	Deepika G
13	Dhana Sekar S	/	/	/	/	/	/	/	/	/	/	Dhana Sekar S
14	Gokula Kanna S S	/	/	/	/	/	/	/	/	/	/	Gokula Kanna S S
15	Gowthami S	/	/	/	/	/	/	/	/	/	/	Gowthami S
16	Hariharan C	/	/	/	/	/	/	/	/	/	/	Hariharan C
17	Harini K	/	/	/	/	/	/	/	/	/	/	Harini K
18	Harishprabu D	/	/	/	/	/	/	/	/	/	/	Harishprabu D
19	Hari Vimanthan G	/	/	/	/	/	/	/	/	/	/	Hari Vimanthan G
20	Ibrahim Sameer N	/	/	/	/	/	/	/	/	/	/	Ibrahim Sameer N
21	Ilavarasi S	/	/	/	/	/	/	/	/	/	/	Ilavarasi S
22	Jai Prasanth V	/	/	/	/	/	/	/	/	/	/	Jai Prasanth V
23	Jegadeesan P	/	/	/	/	/	/	/	/	/	/	Jegadeesan P
24	Jeyavahini GPNS	/	/	/	/	/	/	/	/	/	/	Jeyavahini GPNS
25	Kali Dhivakar M	/	/	/	/	/	/	/	/	/	/	Kali Dhivakar M
26	Karthika S	/	/	/	/	/	/	/	/	/	/	Karthika S
27	Karthikeyan T	/	/	/	/	/	/	/	/	/	/	Karthikeyan T
28	Kavishree M	/	/	/	/	/	/	/	/	/	/	Kavishree M
29	Kishore Arvind B	/	/	/	/	/	/	/	/	/	/	Kishore Arvind B
30	Laabha Dharshine K	/	/	/	/	/	/	/	/	/	/	Laabha Dharshine K
31	Lakshmanan B	/	/	/	/	/	/	/	/	/	/	Lakshmanan B
32	Lalithdev K	/	/	/	/	/	/	/	/	/	/	Lalithdev K
33	Lisha Lourds J	/	/	/	/	/	/	/	/	/	/	Lisha Lourds J
34	Mahalingasiva T	/	/	/	/	/	/	/	/	/	/	Mahalingasiva T
35	Maheshwaran P	/	/	/	/	/	/	/	/	/	/	Maheshwaran P
36	Manojprabakar R	/	/	/	/	/	/	/	/	/	/	Manojprabakar R
37	Mathavan S	/	/	/	/	/	/	/	/	/	/	Mathavan S
38	Mohamed Aarif A	/	/	/	/	/	/	/	/	/	/	Mohamed Aarif A
39	Mohamed Kasim Sarafath H	/	/	/	/	/	/	/	/	/	/	Mohamed Kasim Sarafath H
40	Mohamed Yunus A	/	/	/	/	/	/	/	/	/	/	Mohamed Yunus A



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41	Mohan Raj K	/	/	/	/	/	/	/	/	/	/	Mohan Raj K
42	Muneeskumar M	/	/	/	/	/	/	/	/	/	/	Muneeskumar M
43	Muthu Krishnan T	/	/	AB	AB	/	/	/	/	/	/	Muthu Krishnan T
44	Naveen Kumar K	/	/	/	/	/	/	/	/	/	/	Naveen Kumar K
45	Naveen Kumar N	/	/	/	/	/	AB	AB	/	/	/	Naveen Kumar N
46	Nitheesh Kumar S	/	/	/	/	/	/	/	/	/	/	Nitheesh Kumar S
47	Nithish Kumar R	/	/	/	/	/	/	/	/	/	/	Nithish Kumar R
48	Nithya P M	/	/	/	/	/	/	/	/	/	/	Nithya P M
49	Pichai Mani K	/	/	/	/	/	/	/	/	/	/	Pichai Mani K
50	Pitchaimuthu M	/	/	/	/	/	/	/	/	/	/	Pitchaimuthu M
51	Pragatheeswaran P	/	/	/	/	/	/	/	/	/	/	Pragatheeswaran P
52	Prasanna M	/	/	/	/	/	/	/	/	/	/	Prasanna M
53	Priyadharshini V	/	/	/	/	/	/	/	/	/	/	Priyadharshini V
54	Pugazhenth A	/	/	/	/	/	/	/	/	/	/	Pugazhenth A
55	Ragupathy V	/	/	/	/	/	/	/	/	/	/	Ragupathy V
56	Rahul R	/	/	/	/	/	/	/	/	/	/	Rahul R
57	Rahul Prabu R	/	/	/	/	/	/	/	/	/	/	Rahul Prabu R
58	Rajesh B	/	/	/	/	/	/	/	/	/	/	Rajesh B
59	Ramya Sri G	/	/	/	/	/	/	/	/	/	/	Ramya Sri G
60	Sabarigirinathan S	/	/	/	/	/	/	/	/	/	/	Sabarigirinathan S
61	Sabari Kishore S	/	/	/	/	/	/	/	/	/	/	Sabari Kishore S
62	Sanjeev Kumar A	/	/	/	/	/	/	/	/	/	/	Sanjeev Kumar A
63	Sastha Ajay M	/	/	/	/	/	/	/	/	/	/	Sastha Ajay M
64	Savitha G	/	/	/	/	/	/	/	/	/	/	Savitha G
65	Sethu Arun A S	/	/	/	/	/	/	/	/	/	/	Sethu Arun A S
66	Shahid Afrid S	/	/	/	/	AB	AB	/	/	/	/	Shahid Afrid S
67	Shalini P	/	/	/	/	/	/	/	/	/	/	Shalini P
68	Shobika R	/	/	/	/	/	/	/	/	AB	/	Shobika R
69	Shruthi C	/	/	/	/	/	/	/	/	/	/	Shruthi C
70	Sujitha K	/	/	/	/	/	/	/	/	/	/	Sujitha K
71	Sujith Ram P	/	/	/	/	/	/	/	/	/	/	Sujith Ram P
72	Surendran A K	/	/	/	/	/	/	/	/	/	/	Surendran A K
73	Tharun Kumar S	AB	AB	/	/	/	/	/	/	/	/	Tharun Kumar S
74	Thesingu Raja J	/	/	/	/	/	/	/	/	/	/	Thesingu Raja J
75	Udhaya Kumar R	/	/	/	/	/	/	/	/	/	/	Udhaya Kumar R
76	Vanitha K	/	/	/	/	/	/	/	/	/	/	Vanitha K
77	Vijayalakshmi V	/	/	AB	AB	/	/	/	/	/	/	Vijayalakshmi V
78	Vijay Vishwanath S	/	/	/	/	/	/	/	/	/	/	Vijay Vishwanath S
79	Viswa Bharathi K	/	/	/	/	/	/	/	/	/	/	Viswa Bharathi K
80	Viswanathan T	/	/	/	/	/	/	/	/	/	/	Viswanathan T
81	Vithun Chopra V	/	/	/	/	/	/	/	/	/	/	Vithun Chopra V
82	Abinesh N	/	/	/	/	/	/	/	/	/	/	Abinesh N
83	Baskaran K	/	/	/	/	/	/	/	/	/	/	Baskaran K
84	Gowtham Veera Ganesh R	/	/	/	/	/	/	/	/	/	/	Gowtham Veera Ganesh R
85	Sarath Kumar S	/	/	/	/	/	/	/	/	/	/	Sarath Kumar S
86	Ramkumar C	/	/	/	/	/	/	/	/	/	/	Ramkumar C



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Shyji

REVIT ARCHITECTURE ASSESSMENT

TOTAL MARKS: 50

1. The Word "Revit" stands for _____
a) Revise Elements b) Revise Instantly c) Revise views
2. Revit was developed in the year _____
a) 1982 b) 1999 c) 2002
3. The File extension for Revit is _____
a).rte b).rvt c).rsp
4. Revit is a product of _____
a) Autodesk b) Revit Technology c) Graphisoft.
5. Revit is mainly based on _____
a) Drafting b) Designing c)Modelling.
6. The inbuilt options in Revit are stored as _____
a) Libraries b) Families c) Elements.
7. The first company who developed Revit was _____
a) Charles River Software b) Autodesk c) Benteley.
8. The dimension displayed while creating elements are known as _____
a) Temporary Dimension b) Listening Dimension c) Spot Dimension.
9. The main feature in Revit is _____
a) Views of Section & Elevation b) Parametric Change c) Annotations & Text.
10. The model graphics styles are of _____
a) Wireframe b) Shading c) All the above
11. In Revit which helps to switch over from one to another view _____
a) Design bar b) Project Browser c) Options bar
12. The template file in Revit has an file extension of _____
a).rvt b).rte c).rfa
13. The customisation of virtual models can be made using _____
a) Families b)Massing c)Edit Profile.
14. The height of the wall can be given in _____
a) Options bar b)Instance Properties c)Both a&b
15. The instance properties changes is applied for _____
a) Only selected Wall b) All the wall c) Default changes.
16. The thickness of an element can be given in _____
a) Instance Properties b) Type Properties c) Both a&b



Dr. D. Senthil Kumaran

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17. The option used to move an object without stretching is _____
a) Constrain b) Disjoin c) Drag
18. The Elevation views are to be displayed for creating _____
a) Floor plan b) Levels c) Ceiling plan
19. The Assign Layer option in Revit is applied to an Wall element in _____
a) Instance properties b) Duplicate c) Type property
20. The creation of Roof is applied in _____ View.
a) Sketch view b) Plan Region c) Floor plan
21. The Materials applied to an element can be viewed directly in 3d?
a) True b) False
22. In Revit the Rendering is done using _____
a) Archi Ray b) Light Works c) Mental Ray
23. To create different types of Openings in Wall we can use _____
a) Wall Opening b) Edit Profile c) Wall Sweep
24. How many types of Curtain Walls are available in Wall Selection option _____
a) One b) Two c) Three
25. Creation of Grids and Mullions is done using _____ methods.
a) Two b) Four c) Three
26. Legend view in Revit is created using _____
a) Legend Components b) Legend Elements c) Legend Areas
27. Different views can be taken to the sheet using _____
a) Sheet View b) Place View c) Floor plan View
28. After creating the schedules any changes done in Schedule view will be updated in all views.
a) True b) False.
29. The Autocad file can be brought to Revit file using _____
a) Merge b) Link c) Import
30. The keyframes in the Walkthrough can be set by the users .
a) True b) False.
31. The Walkthrough file can be saved using _____
a) Save option in 3d b) Save option in 2d c) Export
32. The shortcut key used to open Project Units dialog box is _____
a) U b) PU c) UN
33. The Autocad 3d objects can be brought directly to Revit file _____.
a) True b) False.
34. The colour of the Texture Material cannot be changed directly in Revit _____.
a) True b) False.
35. What is the purpose of View Cube _____



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- a) Displays the view selected in project browser.
b) Works as an orientation control for 3d views.
c) All the above
36. Host Elements in Revit are of _____
a) Walls b) Doors c) Furniture
37. Levels are finite _____ elements.
a) Horizontal b) Vertical c) Vertical Extents of wall
38. The Element properties are of two types. They are _____ and _____.
a) Instance and Type b) Type and Elements c) Type Selector and Instance
39. In Edit Wall join the angle at which Butt & Square off joins will not work _____.
a) 25 degree b) Less than 25 degree c) Less than 20 degree.
40. By default Rotate base point starts from _____.
a) Base End point b) Center point c) Any point
41. After creating an Array the no of objects can be edited _____.
a) True b) False.
42. Pinned objects are used to _____.
a) Group the Elements b) Lock the Elements c) Resize the Elements
43. The Symbols which displays while fixing the Doors & Windows are known as _____.
a) Keynote b) Tag c) Markers
44. In dimension the length of the arc can be specified by using _____.
a) Arc length b) Angular c) Aligned
45. We can edit the title block families that are created with earlier version is updated with a newer version _____.
a) True b) False.
46. While activating a viewport placed on a drawing sheet, the drawing sheet will be _____.
a) Active b) Inactive c) Invisible
47. What type of Roof is created by default _____?
a) Sloped Roof b) Flat Roof c) Tapered Roof.
48. The Detail view is used for displaying _____.
a) Construction Details b) Level Details c) Section Details
49. Legend view contains _____.
a) Tabular Representation b) Graphical Representation c) Design Representation
50. While working with drawing sheets the paper size can be mentioned _____.
a) True b) False.



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REVIT ARCHITECTURE ASSESSMENT

TOTAL MARKS: 50

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6. The inbuilt options in Revit are stored as _____
☒ a) Libraries b) Families c) Elements. ✗
7. The first company who developed Revit was _____
a) Charles River Software ☒ b) Autodesk c) Bentley. ✗
8. The dimension displayed while creating elements are known as _____
a) Temporary Dimension ☒ b) Listening Dimension c) Spot Dimension. ✓
9. The main feature in Revit is _____
☒ a) Views of Section & Elevation b) Parametric Change c) Annotations & Text. ✗
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a) Wireframe b) Shading ☒ c) All the above ✓
11. In Revit which helps to switch over from one to another view _____
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a) .rvt ☒ b) .rte c) .rfa ✓
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a) Options bar b) Instance Properties ☒ c) Both a&b ✓
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16. The thickness of an element can be given in _____
a) Instance Properties ☒ b) Type Properties c) Both a&b ✓

35
50



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17. The option used to move an object without stretching is _____

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a) Displays the view selected in project browser.

b) Works as an orientation control for 3d views.

c) All the above

36 Host Elements in Revit are of _____

a) Walls

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c) Furniture

37 Levels are finite _____ elements.

a) Horizontal

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38 The Element properties are of two types. They are _____ and _____

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40 By default Rotate base point starts from _____

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41 After creating an Array the no of objects can be edited _____

a) True

b) False.

42 Pinned objects are used to _____

a) Group the Elements

b) Lock the Elements

c) Resize the Elements

43 The Symbols which displays while fixing the Doors & Windows are known as _____

a) Keynote

b) Tag

c) Markers

44 In dimension the length of the arc can be specified by using _____

a) Arc length

b) Angular

c) Aligned

45 We can edit the title block families that are created with earlier version is updated with a newer version _____

a) True

b) False.

46 While activating a viewport placed on a drawing sheet, the drawing sheet will be _____

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47 What type of Roof is created by default _____ ?

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a) Construction Details

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c) Section Details

49 Legend view contains _____

a) Tabular Representation

b) Graphical Representation

c) Design Representation

50 While working with drawing sheets the paper size can be mentioned _____

a) True

b) False.

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REVIT ARCHITECTURE ASSESSMENT

TOTAL MARKS: 50

34/50



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- The first company who developed Revit was _____
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- The main feature in Revit is _____
a) Views of Section & Elevation ☒ b) Parametric Change ☒ c) Annotations & Text. ☒
- The model graphics styles are of _____
a) Wireframe ☒ b) Shading ☒ c) All the above ☒
- In Revit which helps to switch over from one to another view _____
a) Design bar ☒ b) Project Browser ☒ c) Options bar ☒
- The template file in Revit has an file extension of _____
a) rvt ☒ b).rte ☒ c).rfa ☒
- The customisation of virtual models can be made using _____
a) Families ☒ b)Massing ☒ c)Edit Profile. ☒
- The height of the wall can be given in _____
a) Options bar ☒ b)Instance Properties ☒ c)Both a&b ☒
- The instance properties changes is applied for _____
a) Only selected Wall ☒ b) All the wall ☒ c) Default changes. ☒
- The thickness of an element can be given in _____
a) Instance Properties ☒ b) Type Properties ☒ c) Both a&b ☒

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17. The option used to move an object without stretching is _____

- a) Constrain ☒ b) Disjoin c) Drag

18. The Elevation views are to be displayed for creating _____

- a) Floor plan b) Levels ☒ c) Ceiling plan

19. The Assign Layer option in Revit is applied to an Wall element in _____

- a) Instance properties b) Duplicate ☒ c) Type property

20. The creation of Roof is applied in _____ View.

- ☒ a) Sketch view b) Plan Region c) Floor plan

21. The Materials applied to an element can be viewed directly in 3d?

- a) True ☒ b) False

22. In Revit the Rendering is done using _____

- a) Archi Ray b) Light Works ☒ c) Mental Ray

23. To create different types of Openings in Wall we can use _____

- a) Wall Opening ☒ b) Edit Profile c) Wall Sweep

24. How many types of Curtain Walls are available in Wall Selection option _____

- a) One ☒ b) Two c) Three

25. Creation of Grids and Mullions is done using _____ methods.

- a) Two b) Four ☒ c) Three

26. Legend view in Revit is created using _____

- a) Legend Components ☒ b) Legend Elements c) Legend Areas

27. Different views can be taken to the sheet using _____

- a) Sheet View b) Place View ☒ c) Floor plan View

28. After creating the schedules any changes done in Schedule view will be updated in all views.

- a) True ☒ b) False

29. The Autocad file can be brought to Revit file using _____

- a) Merge b) Link ☒ c) Import

30. The keyframes in the Walkthrough can be set by the users .

- ☒ a) True b) False

31. The Walkthrough file can be saved using _____

- a) Save option in 3d b) Save option in 2d ☒ c) Export

32. The shortcut key used to open Project Units dialog box is _____

- a) U b) PU ☒ c) UN

33. The Autocad 3d objects can be brought directly to Revit file _____

- ☒ a) True b) False

34. The colour of the Texture Material cannot be changed directly in Revit.

- a) True ☒ b) False

35. What is the purpose of View Cube _____



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a) Displays the view selected in project browser.
c) All the above

b) Works as an orientation control for 3d views.

36. Host Elements in Revit are of _____

a) Walls b) Doors c) Furniture

37. Levels are finite _____ elements.

a) Horizontal b) Vertical c) Vertical Extents of wall

38. The Element properties are of two types. They are _____ and _____

a) Instance and Type b) Type and Elements c) Type Selector and Instance

39. In Edit Wall join the angle at which Butt & Square off joins will not work _____

a) 25 degree b) Less than 25 degree c) Less than 20 degree.

40. By default Rotate base point starts from _____

a) Base End point b) Center point c) Any point

41. After creating an Array the no of objects can be edited _____

a) True b) False.

42. Pinned objects are used to _____

a) Group the Elements b) Lock the Elements c) Resize the Elements

43. The Symbols which displays while fixing the Doors & Windows are known as _____

a) Keynote b) Tag c) Markers

44. In dimension the length of the arc can be specified by using _____

a) Arc length b) Angular c) Aligned

45. We can edit the title block families that are created with earlier version is updated with a newer version _____

a) True b) False.

46. While activating a viewport placed on a drawing sheet, the drawing sheet will be _____

a) Active b) Inactive c) Invisible

47. What type of Roof is created by default _____ ?

a) Sloped Roof b) Flat Roof c) Tapered Roof.

48. The Detail view is used for displaying _____

a) Construction Details b) Level Details c) Section Details

49. Legend view contains _____

a) Tabular Representation b) Graphical Representation c) Design Representation

50. While working with drawing sheets the paper size can be mentioned _____

a) True b) False.



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Name of the Student: Anand. S

Year/Sem: III yr

Date: 31.1.20

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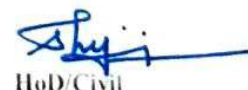
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1	Course content			✓		
2	Skill development			✓		
3	Motivation			✓		
4	Regularity and Punctuality of trainer		✓	✓		
5	Coverage of syllabus			✓		
6	Interaction			✓		
7	Individual attention		✓			
8	Outcome			✓		



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Deepika

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Year/Sem: *III yr*

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		Excellent	Very good	Good	Fair	Satisfactory
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3	Motivation		<i>/</i>			
4	Regularity and Punctuality of trainer		<i>/</i>			
5	Coverage of syllabus		<i>/</i>			
6	Interaction		<i>/</i>			
7	Individual attention			<i>/</i>		
8	Outcome			<i>/</i>		

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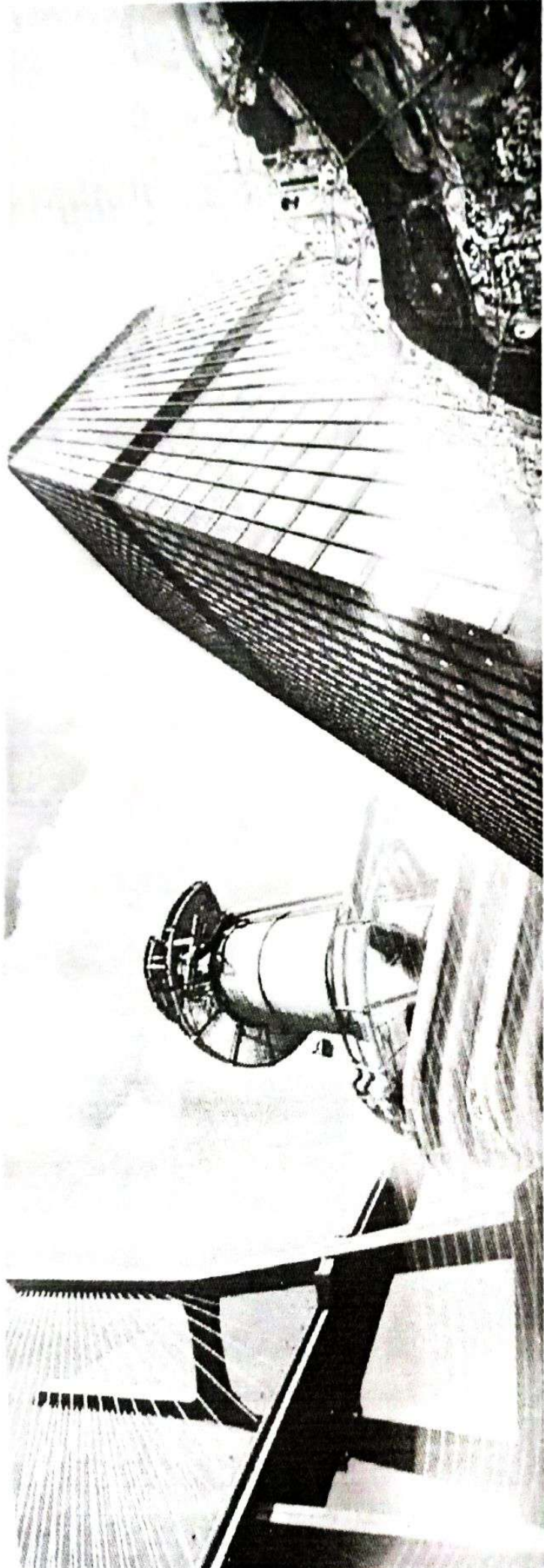
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Course Title

DEVENDIRAN K
Instructor

27/1/2020
Course Starting Date

31/1/2020
Course Ending Date

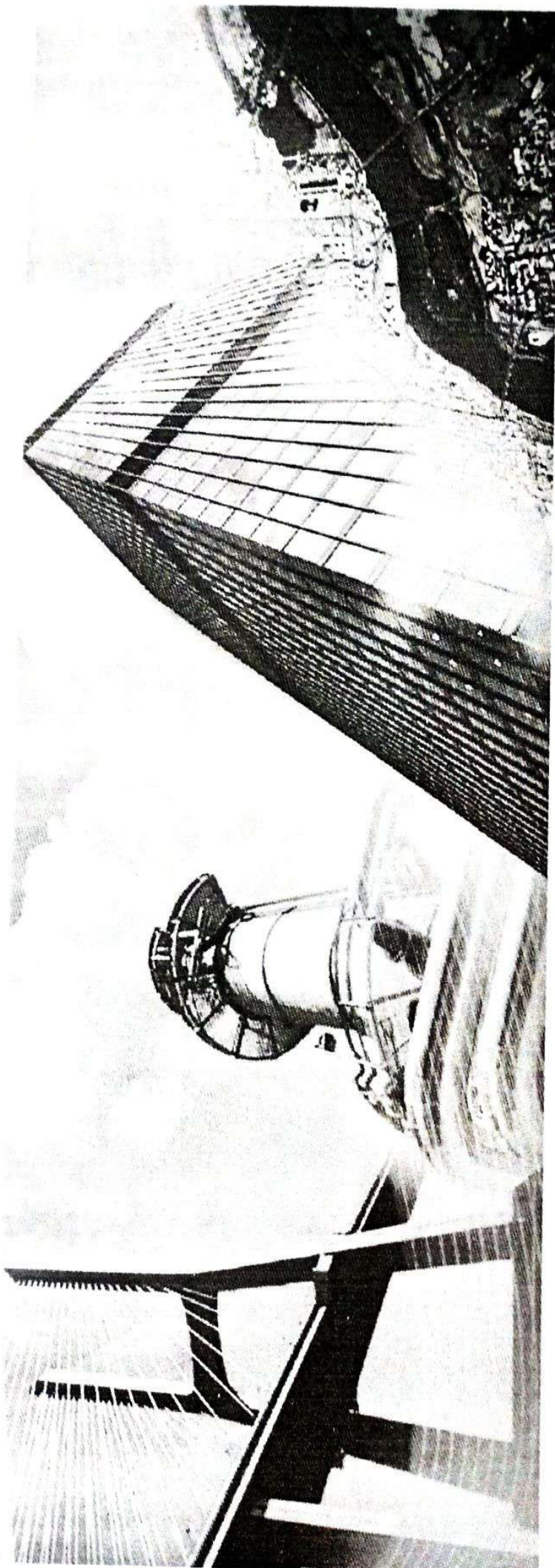
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Name

RIVET ARCHITECTURE
Course Title

DEVENDIRAN K
Instructor

27/1/2020
Course Starting Date

31/1/2020
Course Ending Date

35 Hours
Course Duration



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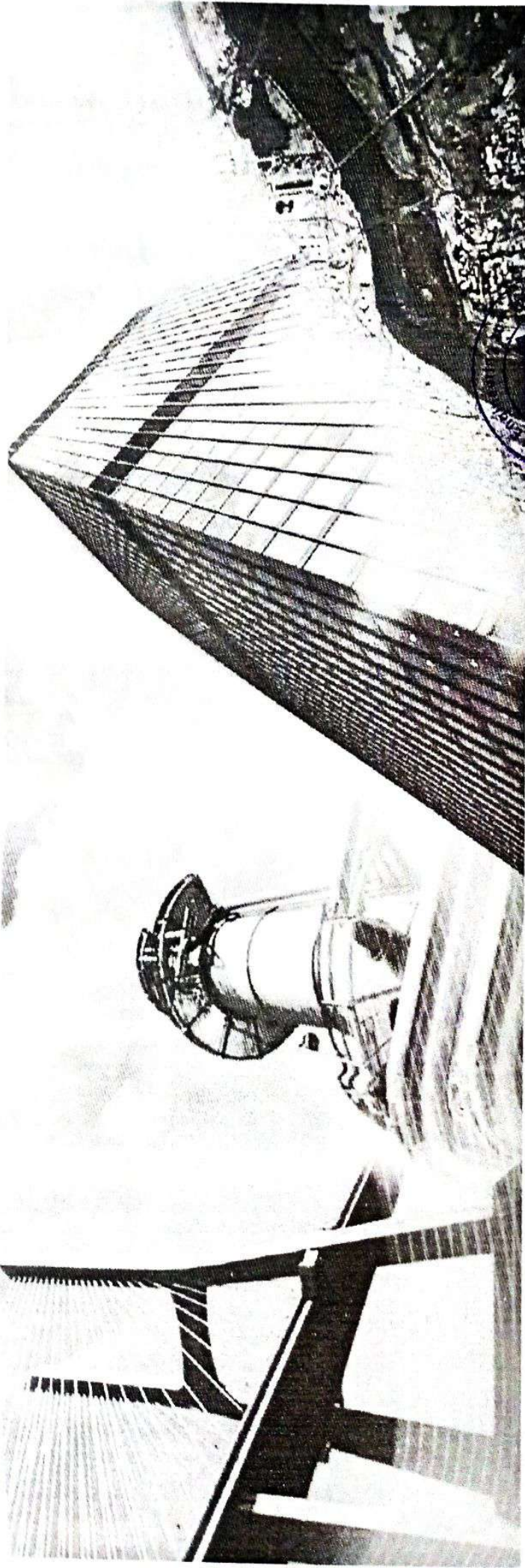
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HARISHPRABHU D
Name

RIVET ARCHITECTURE
Course Title

35 Hours

Course Duration

DEVENDIRAN K
Instructor

27/1/2020

Course Starting Date

31/1/2020

Course Ending Date

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