SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Sindalagundu Post, Dindigul – 624 002, Tamilnadu   Ph: 0451-2448800

DEPARTMENT OF CIVIL ENGINEERING

DETAILS OF THE VALUE ADDED COURSES (FOR 2019-20 EVEN SEMESTER)

Year	Semester	No. of Batches	Total No. of Students (Batch-wise)	Name of the course	Name of the Internal Coordinator	Details of External Agencies (If any)			
						Name of the external Agency	Contact details (Address with Phone number & Email Id)	Name of the course handler	Contact details (Address with Phone number & Email Id)
II	IV	1	Batch-1 34	AUTOCAD	Mr. R. Kesava Moorthy	CADD Technologies School of Design - Coimbatore	33, Rajaji Road, Ram nagar Coimbatore-9	Er.Meenatchi Sundharam	7667851415
III	VI	2	Batch-1 44 / Batch-II 44	RIVET ARCHITECTURE	Mr. S. Tamil Vasanthan	CADD Technologies School of Design - Coimbatore	33, Rajaji Road, Ram nagar Coimbatore-9	Er.Thoufeeq	9961968539

HoD 6/11/19

PRINCIPAL

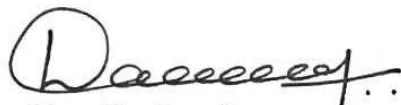# SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul – Palani Highway, Dindigul 624 002

Date: 10.01.2020

CIRCULAR

It is planned to conduct Value Added Course for IIIyear 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

SSM Institute of Engineering and Technology, Dindigul – 624 002

DEPARTMENT OF CIVIL ENGINEERING

Cad Technologies School of design Pvt. Ltd.

Technology Training

Revit Architecture

Third year (19-20)

Cadd Technologies School of design Private Limited

Coimbatore

Total Hours: 50 Hrs.

Content:

- ✓ Introduction toRevit& BuildingBasics, BIMConcepts
- ✓ Default Template settings,User Interface, Datum
- ✓ Model- Draw, Linestyle&Modify
- ✓ Architecture - Walltypes&Duplicatecreations, Door, Window
- ✓ Text - Dimensions - Aligned,linear,Angular,Arc length,Radial& Diameter
- ✓ Architecture - Placeacomponent, Column&Duplicatecreations
- ✓ 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- 3DView,section, planviews, Elevation
- ✓ Quantity Take off and Cost – Schedules
- ✓ Massing&Site(Model& Modifysite, ConceptualMass& Modelbyface)
- ✓ Insert (Decal, ImportCAD&LinkRevit&CAD – Manage – Materials – MaterialCreations - Lighting
- ✓ FamilyCreations - Blend, Sweep, Sweptblend -VoidForms - Extrude, Blend, Revolve, Sweep, Sweptblend
- ✓ Rendering, Walkthrough
- ✓ Exterior Model Concept, Interior Model Concept
- ✓ Lumion Introduction and its application
- ✓ Interactive Session – 2 days

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	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	Anand S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	Aravindhan M	✓	✓	AB	AB	✓	✓	✓	✓	✓	✓
4	Aravind Sriram S	✓	✓	✓	✓	✓	✓	AB	AB	✓	✓
5	Arul Jose Angeline P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	Arun K G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7	Ashwin Bharath V	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
8	Balaji G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9	Balaji N	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10	Balamurugan M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11	Chinna Kannan S	✓	✓	✓	✓	✓	✓	✓	✓	AB	AB
12	Deepika G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
13	Dhana Sekar S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
14	Gokula Kanna S S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15	Gowthami S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
16	Hariharan C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
17	Harini K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
18	Harishprabu D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
19	Hari Vimanthan G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
20	Ibrahim Sameer N	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
21	Ilavarasi S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
22	Jai Prasanth V	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
23	Jegadeesan P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
24	Jeyavahini GPNS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
25	Kali Dhivakar M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
26	Karthika S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
27	Karthikeyan T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
28	Kavishree M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
29	Kishore Arvind B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
30	Laabha Dharshine K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
31	Lakshmanan B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
32	Lalithdev K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
33	Lisha Lourds J	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
34	Mahalingasiva T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
35	Maheshwaran P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
36	Manojprabakar R	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
37	Mathavan S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
38	Mohamed Aarif A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
39	Mohamed Kasim Sarafath H	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
40	Mohamed Yunus A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

#	Name	1	2	3	4	5	6	7	8	9	10	Signature
41	Mohan Raj K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
42	Muneeskumar M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
43	Muthu Krishnan T	✓	✓	AB	AB	✓	✓	✓	✓	✓	✓	
44	Naveen Kumar K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
45	Naveen Kumar N	✓	✓	✓	✓	✓	✓	AB	AB	✓	✓	
46	Nitheesh Kumar S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
47	Nithish Kumar R	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
48	Nithya P M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
49	Pichai Mani K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
50	Pitchaimuthu M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
51	Pragatheeswaran P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
52	Prasanna M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
53	Priyadharshini V	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
54	Pugazhenthi A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
55	Ragupathy V	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
56	Rahul R	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
57	Rahul Prabu R	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
58	Rajesh B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
59	Ramya Sri G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
60	Sabarigirinathan S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
61	Sabari Kishore S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
62	Sanjeev Kumar A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
63	Sastha Ajay M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
64	Savitha G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
65	Sethu Arun A S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
66	Shahid Afrid S	✓	✓	✓	✓	AB	AB	✓	✓	✓	✓	
67	Shalini P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
68	Shobika R	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	
69	Shruthi C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
70	Sujitha K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
71	Sujith Ram P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
72	Surendran A K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
73	Tharun Kumar S	AB	AB	✓	✓	✓	✓	✓	✓	✓	✓	
74	Thesingu Raja J	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
75	Udhaya Kumar R	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
76	Vanitha K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
77	Vijayalakshmi V	✓	✓	AB	AB	✓	✓	✓	✓	✓	✓	
78	Vijay Vishwanath S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
79	Viswa Bharathi K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
80	Viswanathan T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
81	Vithun Chopra V	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
82	Abinesh N	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
83	Baskaran K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
84	Gowtham Veera Ganesh R	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
85	Sarath Kumar S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
86	Ramkumar C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

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

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 bought 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 _____

Displays the view selected in project browser.   b) Works as an orientation control for 3d views.
) 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.

REVIT ARCHITECTURE ASSESSMENT

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 _____
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REVIT ARCHITECTURE ASSESSMENT

TOTAL MARKS: 50

34/50

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    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

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) Arch 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 bought 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 _____

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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Department of Civil Engineering

STUDENT FEEDBACK FORM
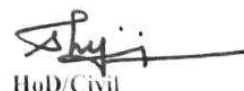
Name of the Student: Anand. S

Year/Sem: III yr

Date: 31.1.20

Dear Student,

You are required to give your feedback on the following aspects.

S.No	Criteria	Rating				
		Excellent	Very good	Good	Fair	Satisfactory
1	Course content			✓		
2	Skill development			✓		
3	Motivation			✓		
4	Regularity and Punctuality of trainer		✓			
5	Coverage of syllabus			✓		
6	Interaction			✓		
7	Individual attention		✓			
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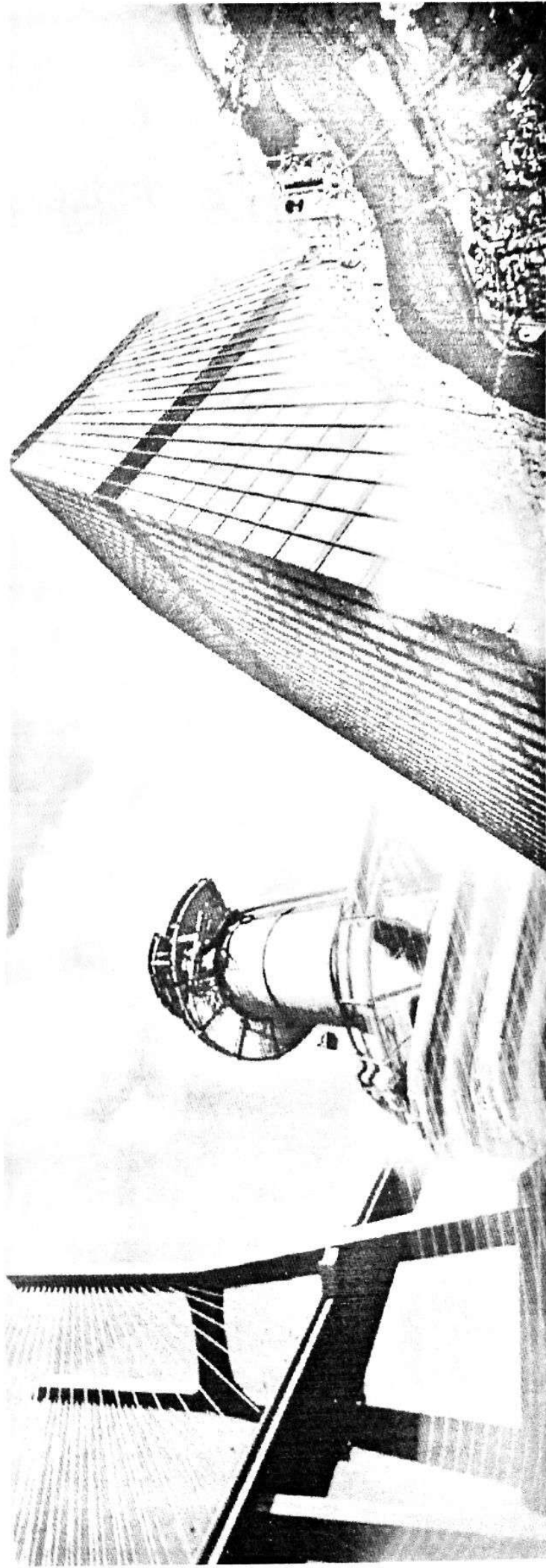Year/Sem: II yr

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3	Motivation		✓			
4	Regularity and Punctuality of trainer		✓			
5	Coverage of syllabus		✓			
6	Interaction		✓			
7	Individual attention			✓		
8	Outcome			✓		

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Course Title   Course Duration
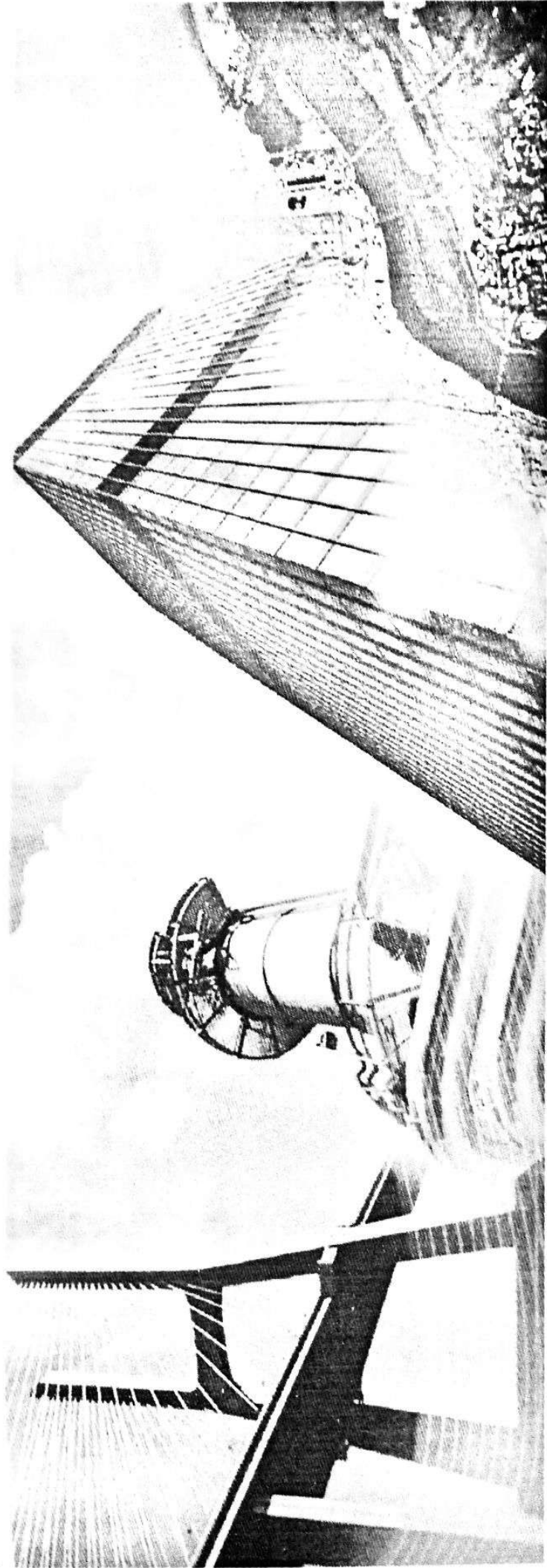
DEVENDIRAN K   27/1/2020   31/1/2020
Instructor   Course Starting Date   Course Ending Date

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Course Title
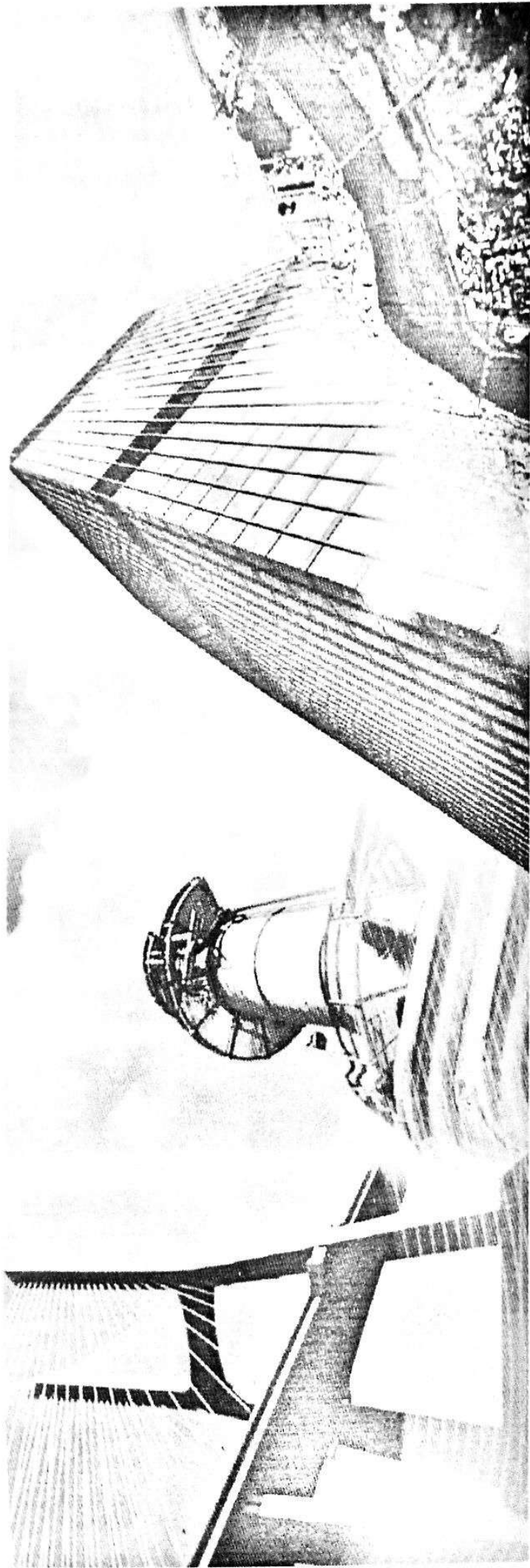
35 Hours
Course Duration

DEVENDIRAN K
Instructor

27/1/2020
Course Starting Date

31/1/2020
Course Ending Date

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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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