SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul - Palani Highway, Dindigul 624 002

Date: 18.12.20

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.N o	Year	Name of the Course	Period	No. of Days
1	III Year	REVIT	21.12.20 to	
	III I Gai	ARCHITECTURE	29.12.20	7 Days

Faculty In-charge

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (MUS)

Principal

SSM Institute of Engineering and Technology Kuttathupatti Viliage, Sindalagundu (20), Palani Road, Dinogul - 624 002.



SSM Institute of Engineering and Technology, Dindigul-624002.

DEPARTMENT OF CIVIL ENGINEERING



Cadd Technologies School of design Private limited, Coimbatore-641 009.

Technology Training



Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)
Principal
SSM Institute of the coming and Technology

Ruttathupatti Viil 3- oruguisgunce 1903.

Pelam Road, Diseigut - 629 002

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- 3DV iew, 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, Sweepblend -VoidForms Extrude, Blend, Revolve, Sweep, Sweepblend
- ✓ Rendering, Walkthrough
- ✓ Exterior Model Concept, Interior Model Concept
- ✓ Lumion Introduction and its application
- ✓ Interactive Session 2 days

Engineering and lachnology

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)

Principal

SSM Institute of Engineering and Technology

Kuttathupatti Village, Sindalagundu (Po),

Palani Road, Dindigul - 624 002.

DEPARTMENT OF CIVIL ENGINEERING - VALUE ADDED COURSE (REVIT ARCHITECTURE) SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY, DINDIGUL. III YEAR

S.No	NAME	21.12	21.12.2020	22.12	22 12 2020	23 12 2020	2020	24.12.2020	2020	25.12.2020	2020	28.12.2020	2020	29.12.2020	2020	
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Dr. B. SENTHIL KUMARAN, M.B., Ph.D., (NUS) Principal

SSM Institute of Engineering and Technology Kuttethuşattı Viltagı Sandalagunda (Po), Paiani Road Dinuigue eva 002,



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 isa).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.
a) Wireframe b) Shading c) All the above
a) Design bar b) Project Browser c) Options bar
12 The template file in Revit has an file extension ofa).rvt b).rte c).rfa
13. The customisation of virtual models can be made using a) Families b)Massing c)Fdit Profile.
14. The height of the wall can be given in a) Options bar b) Instance Properties c) Both a&b
a) Only selected Wall b) All the wall c) Default changes.
16. The thickness of an element can be strained to Both a&b Dr.D. SENTHIL KUMARAN, M.B., Ph.D., (NUS) Principal SSM Institute of the strained and Technology Kuranturation of the strained and Technology Kuranturation of the strained and Technology Residuate of the strained and the strained and technology Residuate of the strained and technology Residuate of the strained and technology Residuate of

Paist. Reas Americai 624002.

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
41 After creating an Array the no of objects can be edited a) Time b) False.
42 Punned 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
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.
8 The Detail view is used for displaying
9.Legend view contains 9.Legend view contains 1 Tabular Representation b) Graphical Representation c) Design Representation
O While working with drawing sheets the paper size can be mentioned b) False.
Dr.D. SENTHIL KUMARAN, M.E., Ph.D., TNUS Principal SSM institute of Segundaring and Technolog Kuttath petu viunge Sindalegundu (Po), Kuttath petu viunge Sindalegundu (Po), Palenti Kuau, Diadigui 624 002.

REVIT ARCHITECTURE ASSESSMENT	TOTAL MARKS: 50
1. The Word "Revit" stands for	
2. Revit was developed in the year a) 1982 b) 1999 c) 2002	$\left(\begin{array}{c} 250 \\ 260 \end{array}\right)$
3 The File extension for Revit is a) rte b) .rvt e).rsb	
4. Revit is a product of	
5 Revit is mainly based on	
6. The inbuilt options in Revit are stored as a) Libraries b) Families c) Elements.	
7 The first company who developed Revit was	/
8. The dimension displayed while creating elements are known as a) Temporary Dimension b) Listening Dimension er Spot Direction	mension.
9. The main feature in Revit is a) Views of Section & Elevation b) Parametric Change c) A	Annotations & Text.
10 The model graphics styles are of a) Wiretrame b) Shading All the above	
II. In Revit which helps to switch over from one to another view Design bar Design bar Design bar Design bar	
12 The template file in Revit has an file extension ofa) rvt b).rte c).rfa	
13 The customisation of virtual models can be made usinga) Familiesb)Massingb)Fdit Profile.	
14. The height of the wall can be given in	<u></u>
15 The instance properties changes is applied for	changes.
SSM Ku	D.SENTHIL KUMARAN, M.B., Ph.D., Principal Institute of Boyaschug and Technology trathupath village, inchaingundu (Pol. Palan, Road, Grangell, 624,002

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	
a) Instance properties Duplicate c)Type property	X
20 The creation of Roof is applied in View. a) Sketch view by Plan Region e) Floor	plan
21 The Materials applied to an element can be viewed directly in 3d? b) False	
22 In Revit the Rendering is done using a) Archi Ray b) Dight Works c) Mental Ray	
23 To create different types of Openings in Wall we can use a) Wall Opening b) Edit Profile 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 of hree	
26 Legend view in Revit is created using c) Legend Components b) Legend Elements c) Legend	nd 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 used.	pdated in all views.
20 The Autocad file can be brought to Revit file using Morge b) Link c)Import	inearing ana
30 The Reyframes in the Walkthrough can be set by the users. Inc. b) False.	o o ning and rechnology - co
31 The Walkthrough file can be saved using a) Save option in 3d b) Save option in 2d c)Export	TO'S DINDIGULERS
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 b) False.	Alt.
34. The colour of the Texture Material cannot be changed directly in Revit	SENTHIL KUMARAN M.E., Ph.D., Drust
35. What is the purpose of View Cube	Princepal Institute of Engageering and Technology uttathupatti Village Sindalagundu (Po), Palani Road, Dinoigul - 624 002.
	I GIMMI WALL

a) Displays the view sel	ected in project browser.	b) Works as ar	orientation control for 3d views	
36 Host Elements in	Revit are of			
a) Walls	Doors c) F	Furniture		
37 Levels are finite _a) Horizontal	elements. b) Vertical c) Vertical	Extents of wall	X	
38 The Element prop a)Instance and Type	perties are of two types .The	y areents	and c) Type Selector and Instance	/
39.In Edit Wall join a) 25 degree	the angle at which Butt & S b) Less than 25 de		not work	
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newer version	b) False.			
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47 What type of Roo Sloped Roof	f is created by default b) Flat Roof	c) Tapered Ro	of.	
48 The Detail view is Construction Detail		etails	で) Section Details	
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a) Tabular Representation	n b) Graphica	al Representation	c) Design Representatio	п
50 While working wi	th drawing sheets the paper b) False.	size can be mention	oned	. 0
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1 Table	TOS DINDIGUESTA		Palani Road, Dingigut - 624 U	1 (Po),
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REVIT ARCHITECTURE ASSESSMENT	TOTAL MARKS: 50
1. The Word "Revit" stands/for	(28)
2. Revit was developed in the year	(60)
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	SSM Institute of Engineering and Technology Kuttathupatti Village, Sindelagundu (Po), Palani Road, Dindigul - 624 002

17 The option used to move an object without stretching is a) Constrain b) Disjoin c) Drag
a) Floor plan by Levels c) Ceiling plan
19 The Assign Layer option in Revit is applied to an Wall element in a) Instance properties b) Duplicate e)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? b) False b) False
22 In Revit the Rendering is done using a) Archi Ray b) Light Works 23 To create different types of Openings in Wall we can use a) Wall Opening b) Edit Profile c) Wall Sweep
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28 After creating the schedules any changes done in Schedule view will be updated in all views. 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 . b) False.
31 The Walkthrough file can be saved using a) Save option in 3d b) Save option in 2d 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 b) False.
34 The colour of the Texture Material cannot be changed directly in Revit a) True False.
Dr.D.SENTHI WILLIAM & A. A. D., MUSI 35 What is the purpose of View Cube SSM Institute of Education 201
Kuttathupatti Villagi Sancalagundu (Po), Palani Road, lithaugut 624 002.

a) Displays the view selected in project browser. (c) All the above	entation control for 3d views
36 Host Elements in Revit are of	
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47. What type of Roof is created by default ? Sloped Roof b) Flat Roof c) Tapered Roof.	
a) Construction Details b) Level Details c)	Section Details
49.1 egend view contains	c) Design Representation
a) True b) False.	Dh.1
	Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)
	Principal SSM Institute of Engineering and Technology
	Kuttathupatti Village Sindalagundu Poj.
	Paieni Road, Dindigul - 524 002.

SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY, DINDIGUL - 624 002

Department of Civil Engineering

STUDENT FEEDBACK FORM

Name of the Student. Kishope Kung. R

Year/Sem: III yr

Date 29.12.20

Dear Student,



S No	Criteria		- 4	Rating		
		Excellent	Very good	Good	Fair	Satisfactory
1	Course content					
2	Skill development	1				
3	Motivation					
4	Regularity and Punctuality of trainer	_				
5	Coverageof syllabus					
6	Interaction		POSSE			
7	Individual attention					
8	Outcome					

Faculty In-charge

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)

Principal

SSM Institute of Engineering and Technology Kuttathupatti Village Sindalagundu Poj. Pelani Road, Dindigur 624 002.

SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY, DINDIGUL - 624 002

Department of Civil Engineering

STUDENT FEEDBACK FORM

Name of the Student: Vgoh. B

Year/Sem: 11

Date: 29.12.20

Dear Student.

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

S No	Criteria			Rating		
		Excellent	Very	Good	Fair	Satisfactory
1	Course content					
2	Skill development					
3	Motivation	1				
4	Regularity and Punctuality of trainer				_	
5	Coverageof syllabus					
6	Interaction					
7	Individual attention					
8	Outcome				n	

Faculty In-charge

DI.D. SENTHIL KUMARAN, M.E., PLD., (NUS) Principal SSM Institute of Engineering and Technology

Auttathupatu Village Sindalagundu Pol. Palani Road, Dindigul - 624 002.

SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY, DINDIGUL - 624 002

Department of Civil Engineering

STUDENT FEEDBACK FORM

Name of the Student: Manonmani. A

Year/Sem: III yr Date: 29 · 12 · 20

Dear Student,

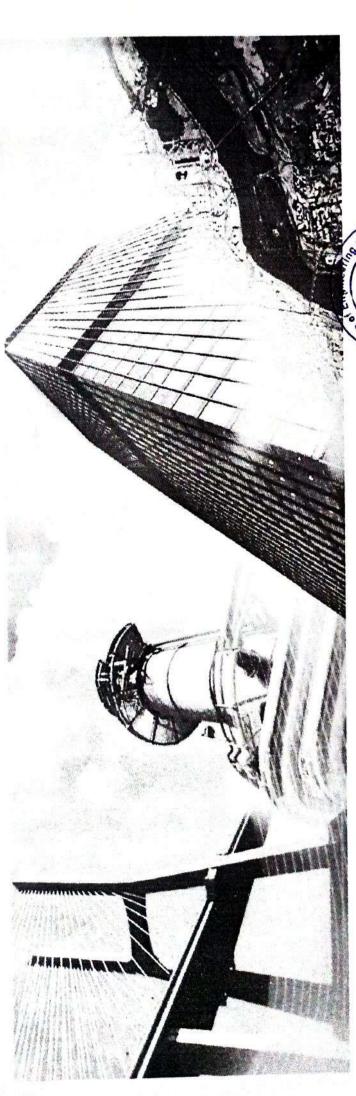
You are required to give your feedback on the following aspects.

S No	Criteria	Rating				
		Excellent	Very good	Good	Fair	Satisfactory
1	Course content					
2	Skill development					1
3	Motivation					
4	Regularity and Punctuality of trainer					
5 6	Coverageof syllabus Interaction		/	7		
7	Individual attention					
8	Outcome			1		

Faculty In-charge

DI.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)

SSM lastitute of Engineering and Fechnology Auftathupatii Village, Sindalagundu (Po), Palani Road, Dindigul 624002.



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CADD TECHNOLOGIES SCHOOL OF DESIGN PRIVATE LIMITED Courses will facilitate the development of engineering and technological Skills with a purpose to augment employability and design excellence.

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CAD / CAM / CAE Training Centre An ISO 9001: 2015 Certified

website: www.caddtechnologies.com

Name UGESH B

RIVET ARCHITECTURE Course Title

40 Hours Course Duration

29/12/2020

Course Ending Date

Course Starting Date

DEVENDIRAN K Instructor

21/12/2020

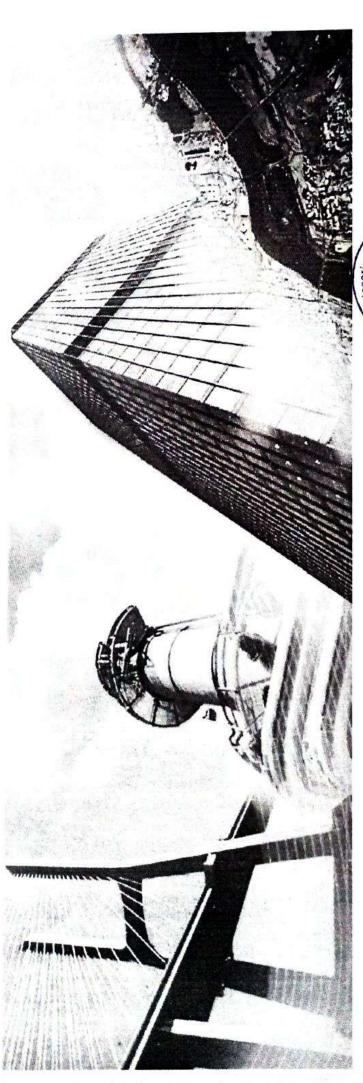
SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY Training Held at

Head Training

Dr.D.SENTHIL KUMARAN, M.R., Ph.D., (NUS)

SSM Institute of Engracering and Technology Principal

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Name ROHINI K



RIVET ARCHITECTURE

Course Title

40 Hours

Course Duration

21/12/2020

DEVENDIRAN K

nstructor

Course Starting Date

Course Ending Date

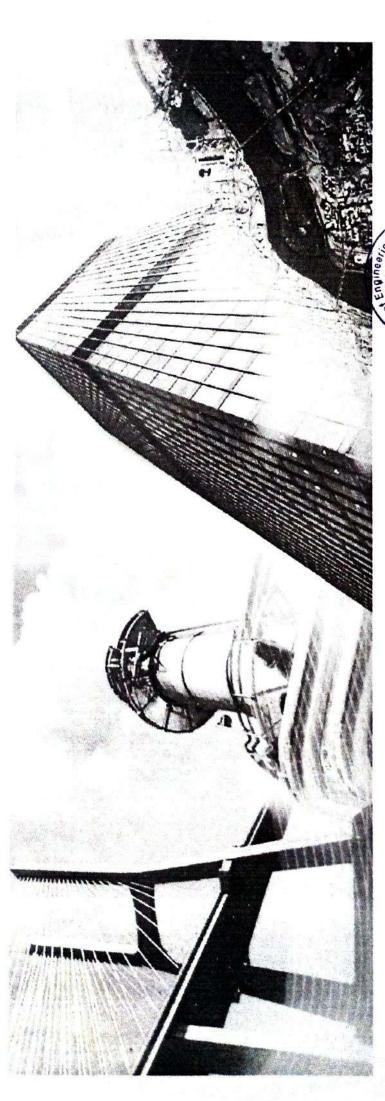
29/12/2020

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS) SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY Training Held at

SSM Institute of Englavering and Technology Luttethuparti Village andalagundu (Pol, Principal

Facab. Road, Distaigul 024 002.

Head Training



Certificate of Completion

Congratulations

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CAD / CAM / CAE Training Centre An ISO 9001: 2015 Certified

website: www.caddtechnologies.com

MARIA ANDREWS J

RIVET ARCHITECTURE

Course Title

40 Hours

Course Duration

Instructor **DEVENDIRAN K**

Course Starting Date 21/12/2020

Course Ending Date 29/12/2020

SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Training Held at



Head Training

Dr. D. SENTHIL KUMARAN, M.E., Ph.D., INUS)

SSN Institute of Enuncaring and Technology Kurrathupatti Vilage Sindalagundu (Po),

Palan: Road, Dindigul - 624 002,