

### SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul - Palani Highway, Dindigul 624 002

Date: 10.09.18

### **CIRCULAR**

It is planned to conduct Value Added Course for IV 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
			17.09.18	
1.	IV Year	STAAD PRO	То	5 days
			21.09.18	

Faculty In-charge

NL HoD/Civil

Dr.D.SENTHIL KUMARAN, V.E., Ph.D., (NUS) Principal SSM Institute of Engineering and Technology Kuttarhupatti, Village Sindalaguneu (Po),

Palan Road, Dineigul 02-002



### 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

88M fastitute of Engineering and Technology

Rutas whath Village Sindalagundu (Po), Faces, Read, Dindigul - 624 002. STAAD PRO

2018-19

**FINAL YEAR 2018-19** 

### STAAD PRO V8i

I.No	Content
1	Introduction to basic principles of Structural, Analsis and Design
2	Co-ordinate Systems , Units
3	Model Generation, Creating Nodes & Members
4	Model Editing Tools, Select Menu, Add Beam, Insert Node
5	Support Specification, Member Property and Material Specification
6	Loading - Creating a Primary Load
7	Loading - Nodal Load , Member Load
8	Wind Load, Moving load, Creating Load Combination
9	Introduction to Analysis
10	Perform Analysis, Overview of Output Page, Pre-analysis Print and Post-analysis Print
11	RC Design - Column and beam
12	FEM Modelling, Generate Plate Mesh
13	Member Truss, Plate Load
14	Slab Design- One way and Two way
15	Shear wall Modelling and Design
16	Introduction Seismology, Dynamic Analysis, Response Spectrum Analysis
17	Water Tank Design
18	Staircase Design

CADD TECHNOLOGIES SCHOOL OF DESIGN PRIVATE LIMITED



Dr.D.SENTHIL KUMARAN, M.E., Ph.D., [NUS]

Principal

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Kuttathupatti Village. Sindalagundu (Po).

Palani Road, Dindigul - 624 002.

### SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY, DINDIGUL. DEPARTMENT OF CIVIL ENGINEERING - VALUE ADDED COURSE (STAAD PRO) IV YEAR

S.No	NAME	17.9.	2018	18.9.	2018	19.9.	2018	20.9.	2018	21.9.	2018		
		FN	AN	11.3									
1	Abdul Kareem, H. A	/	1	1	1	1	/	1	1	1	1	Aball	
2	Abinesh K	1	1	1	1	1	1	1	/	1	1	K Abipert	
3	Abis Chandralaka R	1	1	1	1	1	1	1	1	1	1	Abris Garden	عامله
4	Ajith Kumar M	1	1	1	1	,	1	1	1	,	1	Sitty	
5	Akash Raj. M	1	1	1	1	1	1	1	1	1	7	AX Dur	
6	Anurithi.V	,	,	1	1	1	1	1	1	1	1	( Amark)	
7	Anbu Durai M	1	1	1	1	1	1	,	1	1	1	M	
8	Arul Selvam. K	1	1	/	1	1	,	1	1	1	1		
9	Arunkumar B	1	/	1	1	1	-	1	,	1	1	And Van	
10	Arun Vignesh Raj. S	/	/	AB	AB	1	-,	1	1	1	1	Short	-
11	Aswitha R	/	1	1	1	1	1	1	,	1	,	NEW -	
12	Bala Keerthiga. B	1	1	1,	1	,	1	/	,	1	1	Calabanling	^
13	Bhavani Sn. P	,	1	1	1	1,	1	1	1	1	-	Ma mishi	
14	Chandrakumar M	1	1	1	1	1	1	1	1,		1	Sharing.	
15	Deepalakshmi. G	1	1	1	1	,	1	1	1	1	1	Dustland	•
16	Gayathri K	1	,	1	1	1	1	1	1	1	/	War war	
17	Geethan, M. R	,	,	1	1	1	1	1	1	1	1	Cialland	
18	Gokul Nath. R	1	1	1	1	1	1	1	1	1	1	L'ALIANA A	
19	Gowsalya. A	1	1	1	1	1	1	1	,	1	1	Almente	
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21	Gowthamraj. V. S	,	1	1	1	1	1	1	1	7	1	(untro)	
22	Harikrishnan M	1	1	1	1	1	1	1	1	1	1	minute	
23	Hema Priva S	1	1	1	1	1	1	1	1	1	1	I and my	
24	Janani N	1	1	1	1	1	1	1	1	1	1	1 June	
25	Jeevanandham K	,	/	1	1	1	1	1	1	1	1	DIM	
26	Jeevanantham V	1	1	1	1	1	1	1	1	1	1	Louranten	~
27	Jegan P	1	1	1	1	1	1	,	1	1	1	505	
28	Joychristy V	,	,	1	1	1	,	1	1	1	1	a hund	
29	Kalıva Perumal.S	1	1	1	,	AB	48	1	1	1	/	ala Benel	
30	Kannan. K	1	1	,	1	1	1	1	1	1	1	Henry	
31	Ponnangan M	1		1	1	1	1	1	1	5	1	Donya	
32	Ponsuresh M	1	1	1	1	1	1	1	1	1	/	Former	
33	Prakash E	1	1	1	1	1	/	1	1	1	1	Prakas	
34	Praveen Kumar A	1	1	1	1	1	/	1	1	1	1	ALL PALL	-
35	Preetha.J	1	/	/	1	/	1	1	1	/	1	Draw	
36	Ragavendran M	1	1	1	1	1	/	1	1	1	1	MA	
37	Ragul.K	,	1	1	1	1	/	1	1	1	/	Kem	
38	Rajakumaran J	1	1	1	1	1	/	1	1	1	1	WE	
39	Kesavan R	1	1	As	As	1	/	1	1	1	1	Lames	
40	Muruganandham .M	1	1	-	1	1	1	1	1	1	1	W	
41	Mohammed Fayaz. M	,	1	1	1	1	1	1	1	1	1	day	
42	Raja Sekaran K	1	1	1	1	1	/	1	/	1	1	Part	_
43	Rajashree. K	1	1	1	1	,	1	1	1	1	1	1 Day	
44	Rajesh. P		1	1	1	1	1	1	1	1	1	29	



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

Principal

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Kuttathupatti Viliage Sindalagundu (Po),
Palam Road, Dindigul - 624 002.

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46	Sivakumar S	1	1	-	1	1	1	-	,	,	1	Lieba
47	Sonika S	1	1	1	1	1	1	1	1	1	,	CI
48	Srinath A	1	1	1	1	1	1	1	1	1	1	Numi
49	Srinivasan G	1	1	AB	AR	1	1	-	1	1	1	Pl-mar
50	Sudharshan V	1	1	1	1	1	1	-	1	,	1	211
51	Sudhesh J	,	1	1	1	1	1	1	,	1	1	CILD
52	Surendar S	1	1	,	1	1	1	,	1	1	1	C. Sugna
53	Swetha.G		,	,	1	,	,	-	,	1	,	Ci-Sue
54	Tharanya K	,	1	1	1	1	1	-	,	1	1.	tome
55	Vignesh S	1	1	1	1	1	1	-	,	,	1	CD.
56	Vignesh S	1	1	1	1	1	1	-	,		1	Cilledon
57	Vijayakumar. K	1	1	1	,	AB	AB	-	1	1	1	Vijer
58	Vimal.S	1	,	1	1	20	7		,	1	1	CV war.
59	Sindhu, S. V	1	1	1	1	-	1	-	-	,	1	CVISA
60	Sivakumar S	1	-	-	,	1	1	,	1	1	1	V ale
61	Sonika S		1	1	1	1	1	1	1	1	1	703
62	Srinath. A		,	1	1	1	1	,	1	-	1	Sarah
63	Srinivasan G	1	1	1	1	,	1	-	1	-	1	Some
64	Sudharshan V	48	46	1	1	1	1	-	1	-	1	Com
65	Sudhesh. J	1	1	-	1	-	1		-	1	1	1

NLL HoD/Civil



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Principal

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Palam Road, Dincigur 524 002.

### STAAD PRO ASSESSMENT:

**TOTAL MARKS: 20** 

- 1. The new generation of STAAD is:
- A) STAAD-III for Windows
- B) STAAD-III for DOS
- C) STAAD Pro for DOS
- D) STAAD Pro V8i
- 2. In the input file and under Joint Coordinate, one of the following statement is true?
- A) 1,0,0,0
- B) 1000
- C) 1;0;0;0
- D) 100
- 3. What is Structure Wizard?
- A) Allows user to import AUTOCAD DWG files
- B) A Library of pre-defined structural shapes
- C) Brings Excel sheet to STAAD.Pro
- D) All of the Above
- 4. In the mirror function which of the following statements is true
- A) I can mirror around any of the three main planes
- B) I can define a user-defined plane to mirror around it
- C) I can only mirror around X-Z plane
- D) There is only copy mode in mirror
- 5. If you delete nodes, the beams and plates attached to them will be intact
- A) True
- B) False
- 6. Instead of inputting cross section we can input Ix,ly, Iz
- A) True but only for circular section
- B) False, you have to input cross-section always
- C) You have use the standard section available in wizard



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SSM Institute of Engineering and Technology
Kuttathunath Village abusingsoner 201.

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- D) True for all sections
- 7. You can't assign a prismatic cross-section to steel beam
- A) True
- B) False
- 8. STAAD Pro
- A) Has facility to declare Truss members
- B) In space model can't differentiate between beams and Truss members
- C) Will treat Truss members as ordinary members in Space structure
- D) All of the above
- 9 You can't edit the floor load from the data area:
- A) True
- B) False
- 10. STAAD.Pro perform Analysis is:
- A) Taking into consideration the displacement of nodes
- B) Taking into consideration the stiffness correction
- C) Multi-iteration Analysis
- D) None of the above
- 11. STAAD.Pro Perform Analysis is:
- A) Taking into consideration the Displacement of Nodes
- B) Taking into consideration the Stiffness Correction
- C) Multi- Iteration Analysis
- D) None of the Above
- 12. You can also edit the parameters in structure wizards models.
- A) True
- B) False
- 13. In Concentrated Load, P is:
- A) Value of Load B) Force Direction C) Perpendicular distance from the member
- D) All of the above
- 14. How many types of meshing we have in STAAD.Pro?
- A) 1 B) 2 C) 5 D) 4



SSM Institute of Englanding and Technology

Kuttathupath shap analoguety (Po),

Pelant Road, the San Section 24 002.



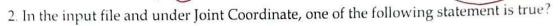
15. The minimum and maximum limits of number of divisions of each side are 1 to 100 A) True B) False
<ul> <li>16. For Plates, Which one of the following is true?</li> <li>A) In order to release a Plate you can release the Beams holding the plate</li> <li>B) You can release the Nodes of the Plates.</li> <li>C) You can release more than one Nodes of the Plates.</li> <li>D) Options B &amp; C.</li> </ul>
17. With the help of which of the following functions, you can duplicate Nodes, Beams, and Plates, in the direction of X, Y, Z?  A) Circular Repeat B) Mirror C) Translational Repeat D) Insert Nodes
18 By default, Response Reduction Factor Value for Special RC Moment Resisting  Frame is?  A) 1 B) 3 C) 6 D) 5
19. In floor load, Y is the:  A) Affective height  B) Floor height  C) Building height  D) All of the Above
20. In Meshing Parametric dialog box, by default, bias value is and divi value is A) Bias is 1 Divi is 15 B) Bias is 1 Divi is 11 C) Bias is 2 Divi is 10 D) Bias is 1 Divi is 10



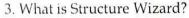
Dr.D. SENTHIL KUMARAN, M.E., Ph.D., (RUS)
Principal
SSM Institute of Engineering and Technology
Entiathupatti Village Sindsdaguodu (Po),
Panana Road, Dinangut 624 002.

### STAAD PRO ASSESSMENT:

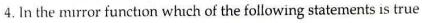
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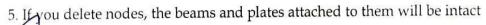
- A) 1,0,0,0
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- D) 100



- A) Allows user to import AUTOCAD DWG files
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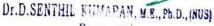
- ( True
- B) False



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TOTAL MARKS: 20



Principal

SSM Institute of Engineering and Technology Kuttathupatti Village Sindalagundu (Po), Palam Road, Dindigui - 624 002.

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Dr.D.SENTHIL EUMARAN, M.R., Ph.D., (NUS)
Principal
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Porrangen M.

### STAAD PRO ASSESSMENT:

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SSM Institute of Engineering and Technology Entrathopath Village Sindelagundu [Po], Patani Road, Lindigui - 624 002.

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ALA
1/11/1

### SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY, DINDIGUL - 624 002

### Department of Civil Engineering

### STUDENT FEEDBACK FORM

Name of the Student: Sorika. S

Year/Sem: IV Yr

Date: 21.09.18

Dear Student,

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



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

Faculty In-charge

HoD/Civil

NLL

Dr.D. SENTHAL KOMARAN, M.E., Ph.D., (NUS)

Principal

SSM institute of Engineering and Technology Kuttathupatti Village Sindalagundu (Po), Palant Road, Dinuigul - 624 302.

### SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY, DINDIGUL - 624 002

### Department of Civil Engineering

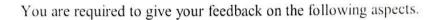
### STUDENT FEEDBACK FORM

Name of the Student: Sulhesh . J

Year/Sem:

Date: 21.094

Dear Student,



S.No	Criteria	Rating							
		Excellent	Very good	Good	Fair	Satisfactory			
1	Course content			1					
2	Skill development				,				
3	Motivation								
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5 6	Coverageof syllabus Interaction		1						
7	Individual attention								
8	Outcome								

Faculty In-charge

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

Principal

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### SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY, DINDIGUL - 624 002

### Department of Civil Engineering

### STUDENT FEEDBACK FORM

Name of the Student: S. Vinel
Year/Sem: Wy
Date:

Dear Student,

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



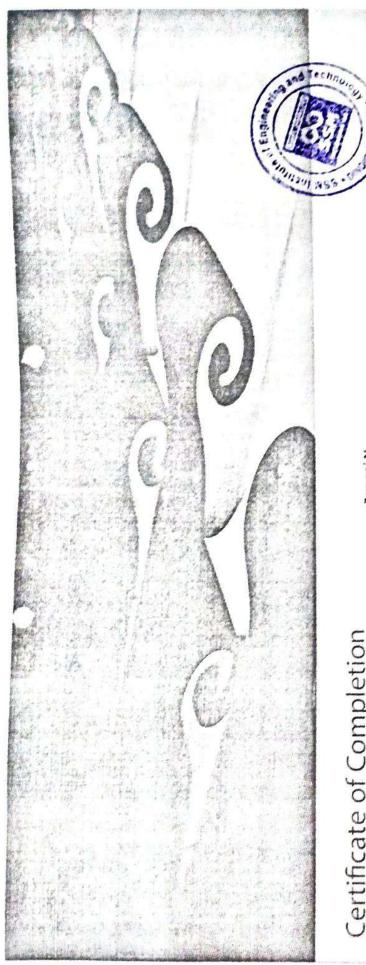
S No	Criteria	Rating							
		Excellent	Very good	Good	Fair	Satisfactory			
1	Course content								
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3	Motivation				/				
4	Regularity and Punctuality of trainer								
5	Coverageof syllabus					6			
6	Interaction			-					
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Faculty In-charge

HoD/Civil

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Palata anna, Diadigui - 624 302.



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website: www.caddtechnologies.com

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Course Title

SIVA

25/09/18

Course Duration 40 Hours

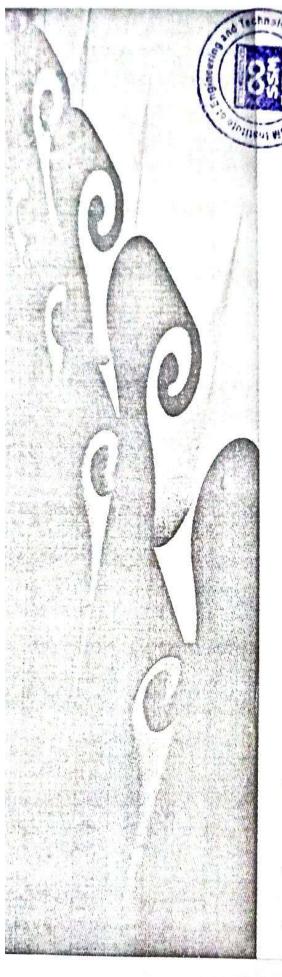
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Training Held at

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Head Training

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Rajesh P Name STAAD PRO

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Product

Course Title

25/09/18

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Course Duration

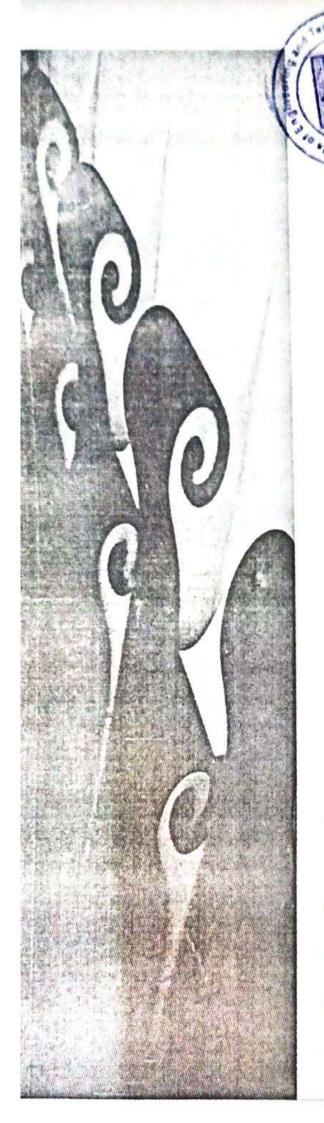
40 Hours

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