SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi / Affiliated to Anna University, Chennai / Accredited by NAAC),

(Accredited by NBA – ECE, EEE & MECH UG Programs)

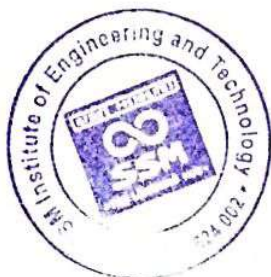**Dindigul – Palani Highway, Dindigul 624 002**

Date: 07.11.22

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.No	Year	Name of the Course	Period	No. of Days
1.	IV Year	STAAD PRO V8i	15.11.22 to 22.11.22	6 Days

Faculty In-charge

HoD/Civil

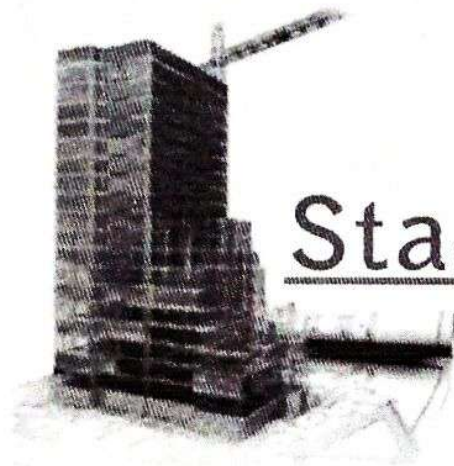Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)
Principal
SSM Institute of Engineering and Technology
Kuttathupatti Village, Sindalagundu (Po),
Palani Road, Dindigul - 624 002

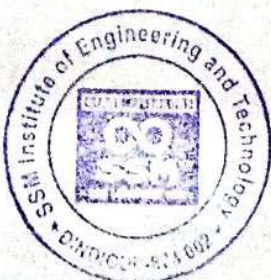**SSM Institute of Engineering and Technology, Dindigul-624002.**

DEPARTMENT OF CIVIL ENGINEERING

Staad Pro

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

Technology Training

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (BUS)
Principal
SSM Institute of Engineering and Technology
Kuttathupatti Village, Sindalagundu (Po).
Palani Road, Dindigul - 624 002.

STAAD PRO V8*i*

On site 50 Hours syllabus

Sl.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., (MUS)
Principal
SSM Institute of Engineering and Technology
Kuttathupattu Village, Sindalagundu (Po),
Palani Road, Dindigul - 624 002

19	Steel Design -Cable Member Specification
20	Tower design
21	STAAD.Beava
22	Report Setup, Importing CAD Models and Plotting from STADD.Pro
23	**Error Classes, Final Project**

Note :

* Two Evaluation exam in Mid and End of the course

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SSM Institute of Engineering and Technology, Dindigul - 02

Department of Civil Engineering

ACADEMIC YEAR : 2021 - 2022 (ODD SEMESTER)

BATCH : 2018 - 2022

YEAR / SEMESTER : IV / 07

VALUE ADDED COURSES ATTENDANCE SHEET

S. No.	Reg. No.	Name of the student
1	922118103001	Abimani V
2	922118103002	Akash M
3	922118103005	Balaji S
4	922118103007	Dhanasubhaa C
5	922118103008	Divya Priya S
6	922118103010	Gokul P
7	922118103012	Gowtham L
8	922118103017	Karunya Lakshmi M
9	922118103019	Kirubakaran V J
10	922118103020	Kishor R
11	922118103023	Mohamed Rafiq J
12	922118103025	Mohanya G
13	922118103026	Mouna Jyothigaa S
14	922118103028	Nantha Kumar K
15	922118103029	Naveen Kumar M
16	922118103032	Rahul P
17	922118103033	Rishi S
18	922118103034	Rohini K
19	922118103036	Saran NR
20	922118103037	Sathya M
21	922118103038	Siva Chandran T
22	922118103039	Tamil Selvan S
23	922118103301	Kiruthiga N
24	922118103302	Kishore Kumar R
25	922118103303	Krishna Veni P
26	922118103304	Manonmani A
27	922118103305	Maria Andrews J
28	922118103306	Sathasivam
29	922118103307	Ugesh B
30	922118103701	Saranya R

No. of absentees

Signature of the faculty

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (RUS)
Principal
SSM Institute of Engineering and Technology
Kuttathupatti Village, Sindalagundu (Po),
Palani Road, Dindigul 624 002.

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,Iy, 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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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

15. The minimum and maximum limits of number of divisions of each side are 1 to 100.
A) True   B) False

16. For Plates, Which one of the following is true?
A) In order to release a Plate you can release the Beams holding the plate
B) You can release the Nodes of the Plates.
C) You can release more than one Nodes of the Plates.
D) Options B & C.

17. With the help of which of the following functions, you can duplicate Nodes, Beams, andPlates, 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:
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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

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P. Gokul

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Saran.NR

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D: T. SENTHIL KUMARAN, M.E., Ph.D, [NUS]
Principal
SSM Institute of Engineering and Technology
Puttathupatti Village, Sindalagunar Po),
Palani Road, Dindigul 624 . 2.

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

Year/Sem: IV yr

Date: 22.11.22

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		✓			
8	Outcome		✓			

Faculty In-charge

HoD/Civil

Dr.D.SENTHIL KUMARAN, M.Z., Ph.D.,(AUS)
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Kuttathupatti Village, Sindalagundu (Po),
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: *S. Balaji*

Year/Sem: *IV yr*

Date: *22.11.22*

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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8	Outcome	✓				

Faculty In-charge

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HoD/Civil

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KISHOR R
Name

STAAD PRO
Course Title

40 Hours
Course Duration

DEVENDIRAN K
Instructor

15/11/2021
Course Starting Date

22/11/2021
Course Ending Date

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Training Held at

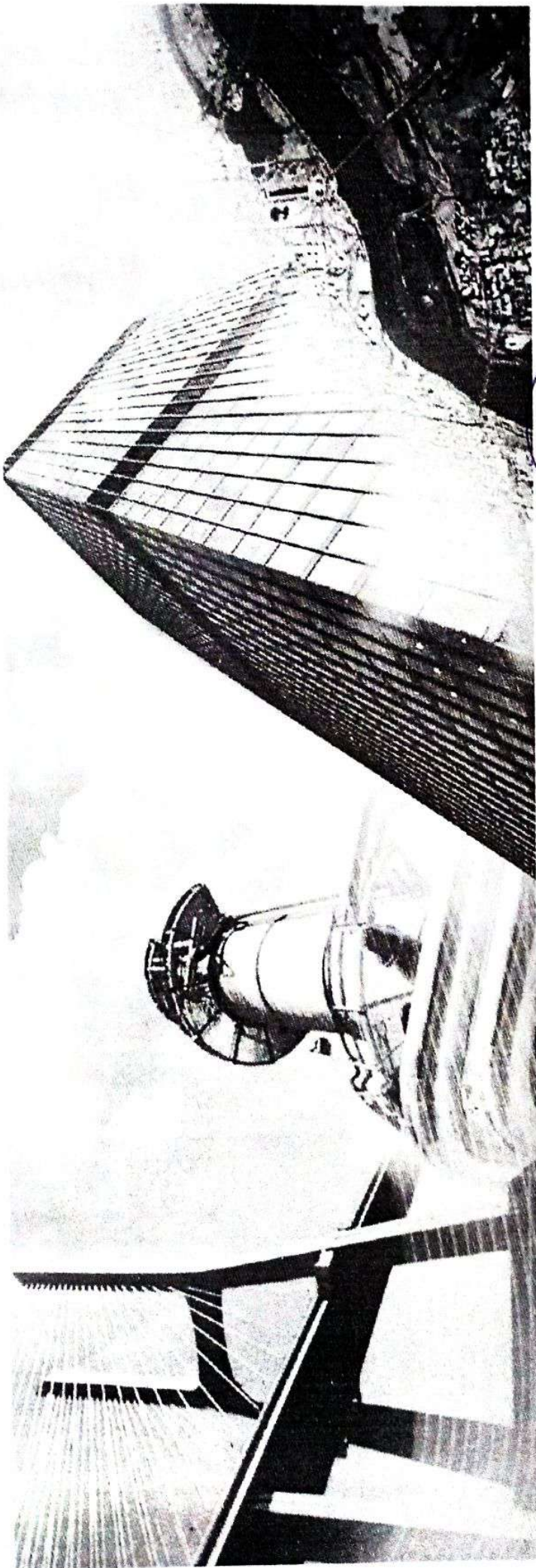Head Training

Dr.D.SENTHIL KUMARAN, M.E.,Ph.D.,(AHU)
Principal
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Jmuthapatti Village Sindalagundu, Po.
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MOHAMED RAFIQ J
Name

STAAD PRO
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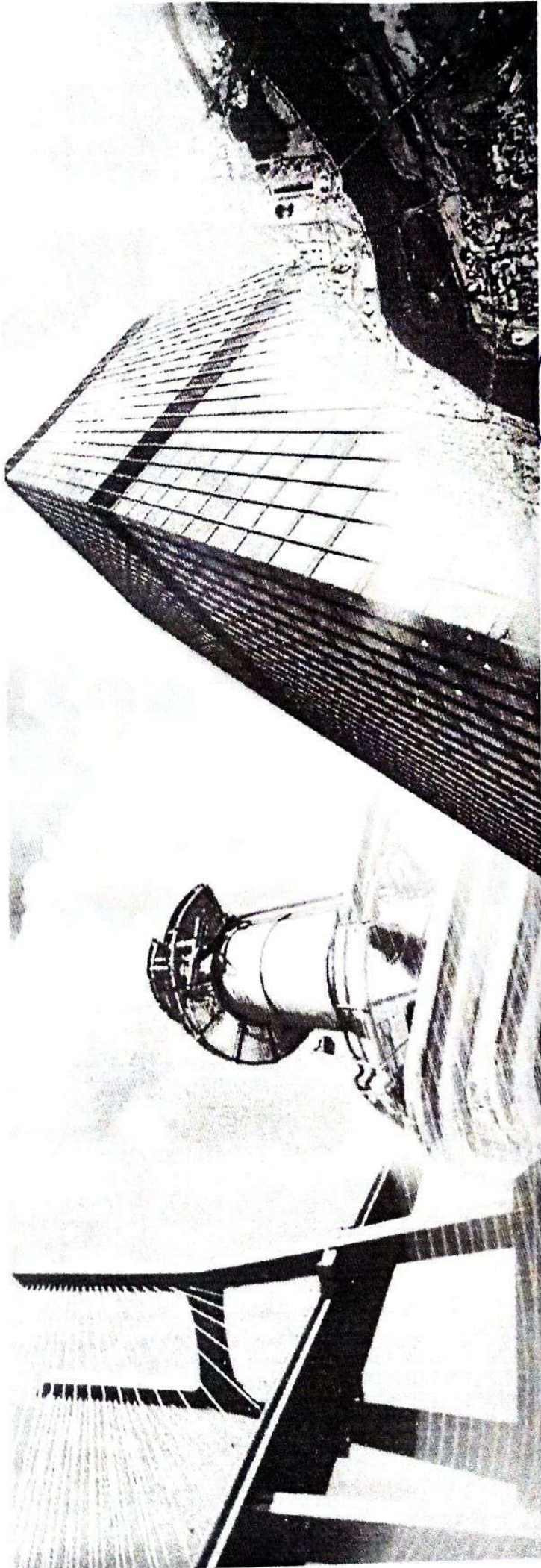**SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY**
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TAMIL SELVAN S
Name

40 Hours
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STAAD PRO
Course Title

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Instructor

15/11/2021
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