



# SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

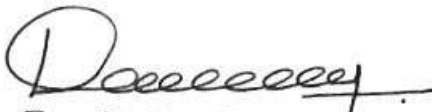
Dindigul – Palani Highway, Dindigul 624 002

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.No	Year	Name of the Course	Period	No. of days
1.	IV Year	STAAD PRO	17.09.18 To 21.09.18	5 days

  
Faculty In-charge

  
HoD/Civil



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

# **DEPARTMENT OF CIVIL ENGINEERING**

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

## **Technology Training**

**STAAD PRO**

2018-19

FINAL YEAR 2018-19

## STAAD PRO V8i

Sl.No	Content
1	Introduction to basic principles of Structural, Analysis 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

#### IV YEAR

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## SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

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### 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  $I_x, I_y, I_z$   
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

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 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



## SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

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D) Bias is 1 Divi is 10
- 2

Department of Civil Engineering

STUDENT FEEDBACK FORM

Name of the Student. Sonika . 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	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

Department of Civil Engineering

STUDENT FEEDBACK FORM

Name of the Student *Sulhesh . J*

Year/Sem *My*

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	Fair	Satisfactory
1	Course content			<i>/</i>		
2	Skill development			<i>/</i>		
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>			

*Darshini*  
Faculty In-charge

*NL*  
HoD/Civil



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY, DINDIGUL - 624 002

Department of Civil Engineering

STUDENT FEEDBACK FORM

Name of the Student:

S. Vimal

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	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		/			



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**Janani N**

Name

**STAAD PRO**

Course Title

**STAAD PRO**

Product

**SIVA**

Instructor

**25/09/18**

Date

**40 Hours**

Course Duration

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Training Held at

*[Signature]*

Head Training

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website : [www.caddtechnologies.com](http://www.caddtechnologies.com)

**Rajesh P**

Name

**STAAD PRO**

Course Title

**STAAD PRO**

Product

**SIVA**

Instructor

**25/09/18**

Date

**40 Hours**

Course Duration

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Training Held at



Head Training

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1-800-855-1000 (Toll Free)

website: [www.caddtechnologies.com](http://www.caddtechnologies.com)

Prakash P

Name

STAAD PRO

Course Title

STAAD PRO

Product

SIVA

Instructor

25/09/18

Date

40 Hours

Course Duration

CADD TECHNOLOGIES SCHOOL OF DESIGN PRIVATE LIMITED

Training Head at

Head Training