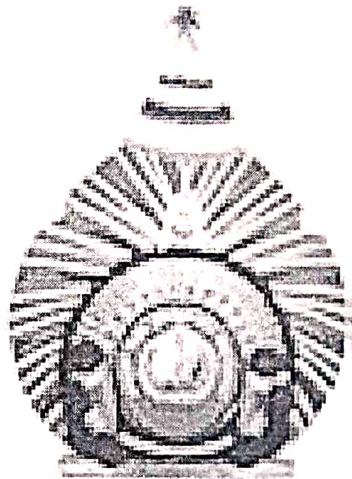


# **ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY**

Shobhavana Campus, Mijar – 574225, Moodbidri.  
Dakshina Kannada Karnataka, India.

## **DEPARTMENT OF CIVIL ENGINEERING**



### **A REPORT ON “STAAD PRO SOFTWARE”**

**2017-18**



# ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Shobhavana Campus, Mijar, Moodbidri - 574 225

Phone: 08258-262725 Fax: 08258-262726

## DEPARTMENT OF CIVIL ENGINEERING

Date: 09 Jan 2018

Place: Mijar

### APPROVAL LETTER

To,

The Principal/IQAC Chairman,  
AIET, Moodbidri




Respected Sir,

Sub: - Approval for Organizing the Students Certification/Training Program on  
"STAAD Pro"-Reg.

With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planning to host a Five day's Student Training Program/ hands on workshop on "STAAD Pro" from "16<sup>th</sup> to 20<sup>th</sup> January 2018" for 8<sup>th</sup> semester students.

Kindly consider the above request and approve the same for further proceedings.

Thanking you Sir.

<u>Coordinator:</u> Prof. Adithy B Shenoy 	<u>Head of the Department:</u>  H.O.D. Dept. of Civil Engineering Alva's Institute of Engg. & Technology Mijar, Moodbidri - 574 225
	<u>Principal:</u> 

PRINCIPAL  
Alva's Institute of Engg. & Technology,  
Mijar, MOODBIDRI - 574 225, D.K



# ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Shobhavana Campus, Mijar, Moodbidri - 574 225

Phone: 08258-262725 Fax: 08258-262726

DEPARTMENT OF CIVIL ENGINEERING

Date: 14 Sep 2017

## CIRCULAR

All the Civil Engineering Students are hereby informed to attend Certification programme as below schedule for the academic year 2017-18.

Sl. No.	Semester	Course Title	Scheduled date No. of Days	Remarks
1.	3	Auto CADD - 3D software	21 Sep to 26 Nov 2017, (40 hrs)	
2.	6	Hands on ETABS software	22 to 27 Jan 2018 5 days	
3.	8	STAAD Pro software	16 to 20 Jan 2018 5 days	

### **Note:**

1. Every day the session begins at 9:00 am & closes at 5:00 pm in Civil Engg., CADD laboratory only for 6 & 8 semesters only.
2. Every Thursday, Friday from 5.10 to 7 pm & Saturday 2 to 5 pm in Civil Engg., CADD laboratory for 3 semester only.
3. In-between 1:00 - 2:00 pm lunch break 11:00 to 11:15 am & 3:00 to 3:15 pm recess for 6 & 8 semester only.
4. Attendance & IA Test is compulsory to get certificate.
5. Students should carry their own stationeries.
6. Software back up will be provided as a student license version.

  
H.O.D.  
Dept. of Civil Engineering  
Alva's Institute of Engg. & Technology  
Mijar, Moodbidri - 574 225

  
Principal

Principal  
Alva's Institute of Engg. & Technology  
Mijar, Moodbidri - 574 225





# ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

Shobhavana Campus, Mijar, Moodabidri, Mangalore Taluk, D.K - 574225

Phone: 08258-262725, Fax: 08258-262726

## DEPARTMENT OF CIVIL ENGINEERING

### SYLLABUS

SCHEME			
<b>Syllabus review committee:</b>	Mr. Vinod, Proprietor, CADD Centre Moodbidri (External) Prof. H Ajith Hebbar, Prof. Surendra P (Internal)		
<b>Course type:</b>	Certificate	<b>Course duration:</b>	40 hrs or 5 days
<b>Course title:</b>	STAAD Pro	<b>Course semester:</b>	8
<b>Course Coordinator:</b>	Prof. Adithy B Shenoy	<b>Course dates:</b>	16 Jan 2018 to 20 Jan 2018
SCHEDULE WITH SYLLABUS			
Day/Date	Description		
<b>Day 1</b> 16 Jan 2018	Overview of Structural Analysis and Design, Calculating Shear Force and Bending Moment values for various supports and load types , Introduction to STAAD.Pro V8i & STAAD Editor, Co-ordinate Systems - Global Vs Local , Creating a New Project in STAAD.Pro , Model Generation -Creating Nodes &Members,Model Editing Tools,Mini Project 1		
<b>Day 2</b> 17 Jan 2018	Support Specification , Member Property Specification , Member Offset , Material Specification & Group Specification , Loading - Creating a Primary Load, Load Combination, Adding Self weight , Nodal Load, Member Load , Uniform Force and, Moment, Concentrated Force and Moment, Linear Varying Load, Trapezoidal Load, Floor Load, Mini Project 2		
<b>Day 3</b> 18 Jan 2018	Introduction to Analysis , Perform Analysis , Overview of Output , Page -Pre-analysis Print , Post-analysis Print , Inactive or Delete Specification , General Guidelines for Design Concrete Design in STAAD.Pro , Column Design & Beam Design		
<b>Day 4</b> 19 Jan 2018	Seismology , Introduction , Terminologies , Standards for Earthquake Design , General Principals for Earthquake Design , Finding the Lateral Force (manual calculation), Finding the Lateral Force by using STAAD.Pro , Mini Project 4		
<b>Day 5</b> 20 Jan 2018	Member Truss , Creating FEM models by using Structure Wizard , Adding Plate, Thickness , Plate Load, Pressure on Full Plate , Concentrated Load & Partial Plate, Pressure Load , Element Joint Load, Importing CAD Models , Report Setup , Plotting from STAAD.Pro		
<b>Note:</b>			
1. Every day the session begins at 9:00 am & closes at 5:00 pm in Civil Engg., CADD laboratory only. 2. In-between 1:00 – 2:00 pm lunch break 11:00 to 11:15 am & 3:00 to 3:15 pm recess. 3. Attendance & IA Test is compulsory to get certificate. 4. Students should carry their own stationeries.			

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Dept. of Civil Engineering  
Alva's Institute of Engg. & Technology  
Mijar, Moodbidri - 574 225

PROGRAMME SCHEDULE

- ❖ Invocation
- ❖ Welcome Speech
- ❖ Inauguration
- ❖ Presidential Speech
- ❖ Vote of Thanks



INVITATION

**ALVA'S INSTITUTE OF ENGINEERING AND  
TECHNOLOGY, MOOBBIDRI**

**DEPARTMENT OF CIVIL ENGINEERING**

Cordially invites you to the

**Inauguration of Certification Program  
On**

**" INTRODUCTION TO STAAD PRO SOFTWARE "**

**Resource Person: Prof. Rashmi H  
Prof. Adithya B Shenoy  
Prof. Akshatha S P  
Dept. of Civil Engg.,  
AIET Moodbidri**

**Guest of Honor: Mr. Vivek Alva  
Managing Trustee**

**President: Dr. Peter Fernandes  
Principal, AIET, Moodbidri.**

**Coordinator**

**Prof. Adithya B Shenoy**

**Assistant Professor**

**Head of the Department**

**Prof. H Ajith Hebbar**

**Associate Professor and Head**

**Venue: CADD Lab, Fifth Floor, AIET Civil Block @9.00AM**

### ABOUT VTU, BELAGAVI

Visvesvaraya Technological University is a collegiate public state university in Karnataka State, India. It was established by the Government of Karnataka. The university is named after M. Visvesvaraya from Karnataka, the only engineer to be awarded a "Bharat Ratna", the highest civilian award in India. Jnana Sangama, Belagavi is the headquarters of VTU. Additionally, the university has three regional centers in Bangalore, Gulbarga and Mysore. VTU is one of the largest universities in India with 212 colleges affiliated to it with an intake capacity of over 467,100 undergraduate students and 12,666 postgraduate students. The university encompasses technical and management fields which offer 30 undergraduate and 71 postgraduate courses. It has around 1800 PhD candidates. VTU has 13 QIP centers and 17 extension centers in its affiliated colleges offering postgraduate courses. It has around 2,305 departments recognized as research centers which are spread across its affiliated institutions in cities of Karnataka.

### AIET, MOOBBIDRI

Alva's Education Foundation (AEF) established in 1995 with the vision of our Chairman Dr. M. Mohan Alva has succeeded in making Moodbidri, an Educational hub in the South Canara Region, with more than 25000 students pursuing various courses ranging from primary school to post-graduate courses in social sciences, pure sciences, engineering and management. There are 21 institutions functioning under the Alva's Education Foundation.

Alva's Institute of Engineering and Technology, Moodbidri is a Premier Engineering Institute of Alva's Education Foundation, established in the year 2008. The college is certified to the ISO 9001: 2008 standards. The institute offers top quality education in five under graduate programs in Engineering- Computer Science, Civil, Electronics & Communications, Information Science, and Mechanical Engineering- Three Post Graduate programs- Master of Technology in Thermal Power Engineering, Computer Science & Engineering, VLSI Design Embedded System and Master of Business Administration.

### DEPARTMENT OF CIVIL ENGINEERING

Civil engineering is a professional engineering discipline that deals with the design, construction, and maintenance of the physical and naturally built environment, including public works such as roads, bridges, canals, dams, airports, sewerage systems, pipelines, structural components of buildings, and railways.

The Bachelor's degree in Civil Engineering in AIET was started in the academic year 2009 - 10 with an intake of 60 students. The department offers a full time B.E degree course in Civil Engineering. Our department organizes seminars, workshops & Industrial visits for the benefit of students and faculty which would bring exposure of the recent trend in civil engineering. Students involve in the consultancy projects obtained through various govt. and non-govt. agencies. The infrastructure available in the department facilitates students to develop their skill and knowledge within the framework of curriculum prescribed by the Visvesvaraya Technological University.

### ABOUT STAAD PRO SOFTWARE

Staad Pro stands for Structural Analysis And Designing Program. This Software is most used Software for civil Engineering designing. It is not like Auto CAD. We work in only 2 dimensions in AutoCAD and that is not detailed. In this Software you work 3 dimensions only. Mainly the Software reduces your manual calculation and time.

1. Faster method of designing the structure.
2. Does not involve any manual calculation.
3. Suitable for almost all types material for designing i. e. Concrete, Steel, Aluminum etc.
4. Shows accuracy in results i. e. Shear Force, Bending moment diagram for each and every beam and column of the structure. That you were doing manually.
5. Shows result for Number of reinforcement used longitudinal, Shear reinforcement.

### COURSE CONTENT

1. Co-ordinate Systems - Global Vs Local.
2. Model Generation & Editing Tools.
3. Support, Member Property & Member Offset Material & Group Specifications.
4. Loading - Nodal, member and surface.
5. Analysis - static.
6. Import and export of models.
7. Seismic and wind load.
8. Design and interpretation of results.
9. Usage of codes and its specifications.
10. Detailing aspects - steel and rcc.

### RESOURCE PERSON

Prof. Rashmi H  
Prof. Adithya B Shenoy  
Prof. Akshatha S P  
Assistant Professor,  
Department of Civil Engineering,  
AIET Moodbidri

### PROGRAM SCHEDULE

#### JANUARY 16, 2018

Inauguration: 09:00 am to 09:30 am  
Tea Break: 9:30 am to 9:45 am  
Session 1: 9:45 am to 01:00 pm  
Lunch Break: 01:00 pm to 02:00 pm  
Session 2: 02:00 pm to 05:00 pm

#### JANUARY 17, 2018

Session 3: 09:30 am to 11:00 am  
Lunch Break: 01:00 pm to 02:00 pm  
Session 4: 02:00 pm to 05:00 pm

#### JANUARY 18, 2018

Session 5: 09:30 am to 11:00 am  
Lunch Break: 01:00 pm to 02:00 pm  
Session 6: 02:00 pm to 05:00 pm

#### JANUARY 19, 2018

Session 7: 09:30 am to 11:00 am  
Lunch Break: 01:00 pm to 02:00 pm  
Session 8: 02:00 pm to 05:00 pm

#### JANUARY 20, 2018

Session 9: 09:30 am to 11:00 am  
Lunch Break: 01:00 pm to 02:00 pm  
Session 10: 02:00 pm to 04:00 pm  
Valedictory: 04:30 pm to 05:00 pm



# ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Shobhavana Campus, Mijar, Moodbidri - 574 225

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## DEPARTMENT OF CIVIL ENGINEERING

Registered Student List - IV YEAR - STAAD Pro. Software		
1.	4AL11CV051	ABHISHEK S SHETTY
2.	4AL12CV027	GOUTHAM DEV
3.	4AL13CV013	AMARNATH V A
4.	4AL13CV042	KIRAN THOMSON
5.	4AL13CV052	MANSOOR AHAMED
6.	4AL13CV108	VIKAS G R
7.	4AL13CV120	MUTUM SUSMITA DEVI
8.	4AL13CV130	SOUNDARYA B
9.	4AL13CV132	JAYASHREE V
10.	4AL14CV001	AKASH PADMANABHA S
11.	4AL14CV003	ABDUL RAFAB
12.	4AL14CV005	AISHWARYA V
13.	4AL14CV006	AKARSH PONAPPA
14.	4AL14CV007	AKSHATHA K
15.	4AL14CV012	ANANTH KUMAR S
16.	4AL14CV014	ANOOP A
17.	4AL14CV015	ANOOPSHASTRI S DODAWAD
18.	4AL14CV016	ANTO CHAKOCHAN
19.	4AL14CV017	ARCHANA GANGADHAR MUDIGOWDRA
20.	4AL14CV019	B VIDHYADAR RAO
21.	4AL14CV020	BASANAGOWDA R PATIL
22.	4AL14CV022	BEERAPPA S GIRISAGAR
23.	4AL14CV023	CHETHAN G T
24.	4AL14CV025	DARSHAN GOWDA G N
25.	4AL14CV029	FAHEEZ AHMED
26.	4AL14CV030	G M SHANKARAMOORTHY
27.	4AL14CV031	GOUTHAM
28.	4AL14CV032	GURURAJ PATIL G
29.	4AL14CV033	HAJARESHAB DUDDUSAB HARANI
30.	4AL14CV036	HEIGRUJAM JAYARANI DEVI
31.	4AL14CV040	KARTHIK
32.	4AL14CV041	KIRAN B SHRIWALKER
33.	4AL14CV043	KRISHNA
34.	4AL14CV044	LINGARAJA HEBBALI

H.O.D.

*Dee*

Dept. of Civil Engineering  
Alva's Institute of Engg. & Technology  
Mijar, Moodbidri - 574 225

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## DEPARTMENT OF CIVIL ENGINEERING

35.	4AL14CV048	MUHAMMED FARAZ ABDUL RAZAK JAVALI
36.	4AL14CV049	MUHAMMED RIZWAN
37.	4AL14CV051	MAHAN M S
38.	4AL14CV054	NAGPRASAD R
39.	4AL14CV055	NAYANA K
40.	4AL14CV056	NIDHISREE K
41.	4AL14CV057	PARASURAM S SUBHANAPPAGOL
42.	4AL14CV058	POLEM NIRMALDHABA
43.	4AL14CV059	POORNIMA K S
44.	4AL14CV060	PRAJNA
45.	4AL14CV061	PRAJWAL M
46.	4AL14CV063	PRAKASHA SAPALIGA
47.	4AL14CV064	PRASHANTH WURULI
48.	4AL14CV065	PRATHIBHA C HIEMATH
49.	4AL14CV067	PRIYA PRADEEP RANE
50.	4AL14CV068	PUSHPA CHINDI
51.	4AL14CV069	RAGHU M
52.	4AL14CV070	RAHUL M R
53.	4AL14CV073	RAKESH H
54.	4AL14CV074	RASHMITH R SUVARNA
55.	4AL14CV075	RASINA K V
56.	4AL14CV076	RATAN LAXMAN JONGANAVAR
57.	4AL14CV078	SABAREDDY
58.	4AL14CV079	SAHANA PRIYA A
59.	4AL14CV082	SANGAMESH
60.	4AL14CV083	SANJAYKUMAR NATIKAR
61.	4AL14CV085	SANTOSH H
62.	4AL14CV087	SHILPA GS
63.	4AL14CV092	SNEHA GEORGE
64.	4AL14CV093	SOWMYASHREE D
65.	4AL14CV095	SREENATH REDDY
66.	4AL14CV096	SHRIKANT SANGANNA TALAVAR
67.	4AL14CV098	SUHAIB ALI K A
68.	4AL14CV099	SUNIL KUMAR K B
69.	4AL14CV101	SUSHMA KRISHNANA RAIBAGI

*(Signature)*

H.O.D.

Dept. of Civil Engineering

Alva's Institute of Engineering & Technology





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## DEPARTMENT OF CIVIL ENGINEERING

70.	4AL14CV102	TANUJA K L
71.	4AL14CV103	TEENAANTONY
72.	4AL14CV105	VARUNA B H
73.	4AL14CV109	YASHASWINI NAGARAJ
74.	4AL14CV110	YENGKHOM MILANKUMAR SINGH
75.	4AL14CV401	B . HARIPRASAD PAI
76.	4AL15CV400	AKSHAYA KUMNAR DYAVANAKONDI
77.	4AL15CV401	ANIL KORIGANNAVAR R
78.	4AL15CV403	MADHURI YARAGANAVI
79.	4AL15CV404	MOHD. SAHUL HAMMED
80.	4AL15CV405	MUTTURAJ L ANNIGERI
81.	4AL15CV407	PRAVEEN KUMAR R
82.	4AL15CV409	RAJASHEKHARA H
83.	4AL15CV410	RAJESH H KAMBLI
84.	4AL15CV411	RAJESH R N
85.	4AL15CV412	RAJU LAMANI
86.	4AL15CV414	SACHIN P
87.	4AL15CV415	SAGAR M S
88.	4AL15CV416	SANJEEV KUMAR S
89.	4AL15CV417	VEERESH WALI
90.	4AL15CV419	VISHWA R

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## DEPARTMENT OF CIVIL ENGINEERING

### STAAD PRO

16/01/2018- 20/01/2018

### Academic Year 2017-18

#### 4<sup>th</sup> Year / 8<sup>th</sup> sem

Sl. No.	USN	Name of the Student	16/01 FN	16/01 AN	17/01 FN	17/01 AN	18/01 FN	18/01 AN	19/01 FN	19/01 AN	20/01 FN	20/01 AN
1	4AL11CV051	ABHISHEK S SHETTY	P	P	P	P	P	P	P	P	P	P
2	4AL12CV027	GOUTHAM DEV	P	P	P	P	P	P	P	P	P	P
3	4AL13CV013	AMARNATH V A	P	P	P	P	P	P	P	P	P	P
4	4AL13CV042	KIRAN THOMSON	P	P	P	P	P	P	P	P	P	P
5	4AL13CV052	MANSOOR AHAMED	P	P	P	P	P	P	P	P	P	P
6	4AL13CV108	VIKAS G R	P	P	P	P	P	P	P	P	P	P
7	4AL13CV120	MUTUM SUSMITA DEVI	P	P	P	P	P	P	P	P	P	P
8	4AL13CV130	SOUNDARYA B	P	P	P	P	P	P	P	P	P	P
9	4AL13CV132	JAYASHREE V	P	P	P	P	P	P	P	P	P	P
10	4AL14CV001	AKASH PADMANABHA S	P	P	P	P	P	P	P	P	P	P
11	4AL14CV003	ABDUL RAFAB	P	P	P	P	P	P	P	P	P	P
12	4AL14CV005	AISHWARYA V	P	P	P	P	P	P	P	P	P	P
13	4AL14CV006	AKARSH PONAPPA	P	P	P	P	P	P	P	P	P	P
14	4AL14CV007	AKSHATHA K	P	P	P	P	P	P	P	P	P	P
15	4AL14CV012	ANANTH KUMAR S	P	P	P	P	P	P	P	P	P	P
16	4AL14CV014	ANOOP A	P	P	P	P	P	P	P	P	P	P
17	4AL14CV015	ANOOPSHASTRI S DODAWAD	P	P	P	P	P	P	P	P	P	P
18	4AL14CV016	ANTO CHAKOCHAN	P	P	P	P	P	P	P	P	P	P
19	4AL14CV017	ARCHANA GANGADHAR	P	P	P	P	P	P	P	P	P	P
20	4AL14CV019	B VIDHYADAR RAO	P	P	P	P	P	P	P	P	P	P
21	4AL14CV020	BASANAGOWDA R PATIL	P	P	P	P	P	P	P	P	P	P
22	4AL14CV022	BEERAPPA S GIRISAGAR	P	P	P	P	P	P	P	P	P	P
23	4AL14CV023	CHETHAN G T	P	P	P	P	P	P	P	P	P	P

H.O.D.

Dept. of Civil Engineering

Alva's Institute of Engg. & Technology  
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Shobhavana Campus, Mijar, Moodbidri, D.K - 574225

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56	4AL14CV076	RATAN LAXMAN	P	P	P	P	P	P	P	P	P	P	P
57	4AL14CV078	SABAREDDY	P	P	P	P	P	P	P	P	P	P	P
58	4AL14CV079	SAHANA PRIYA A	P	P	P	P	P	P	P	P	P	P	P
59	4AL14CV082	SANGAMESH	P	P	P	P	P	P	P	P	P	P	P
60	4AL14CV083	SANJAYKUMAR NATIKAR	P	P	P	P	P	P	P	P	P	P	P
61	4AL14CV085	SANTOSH H	P	P	P	P	P	P	P	P	P	P	P
62	4AL14CV087	SHILPA GS	P	P	P	P	P	P	P	P	P	P	P
63	4AL14CV092	SNEHA GEORGE	P	P	P	P	P	P	P	P	P	P	P
64	4AL14CV093	SOWMYASHREE D	P	P	P	P	P	P	P	P	P	P	P
65	4AL14CV095	SREENATH REDDY	P	P	P	P	P	P	P	P	P	P	P
66	4AL14CV096	SHRIKANT SANGANNA	P	P	P	P	P	P	P	P	P	P	P
67	4AL14CV098	SUHAIB ALI K A	P	P	P	P	P	P	P	P	P	P	P
68	4AL14CV099	SUNIL KUMAR K B	P	P	P	P	P	P	P	P	P	P	P
69	4AL14CV101	SUSHMA KRISHNASA	P	P	P	P	P	P	P	P	P	P	P
70	4AL14CV102	TANUJA K L	P	P	P	P	P	P	P	P	P	P	P
71	4AL14CV103	TEENAANTONY	P	P	P	P	P	P	P	P	P	P	P
72	4AL14CV105	VARUNA B H	P	P	P	P	P	P	P	P	P	P	P
73	4AL14CV109	YASHASWINI NAGARAJ	P	P	P	P	P	P	P	P	P	P	P
74	4AL14CV110	YENGKHIOM MILANKUMAR	P	P	P	P	P	P	P	P	P	P	P
75	4AL14CV401	B HARIPRASAD PAI	P	P	P	P	P	P	P	P	P	P	P
76	4AL15CV400	AKSHAYA KUMNAR	P	P	P	P	P	P	P	P	P	P	P
77	4AL15CV401	ANIL KORIGANNAVAR R	P	P	P	P	P	P	P	P	P	P	P
78	4AL15CV403	MADHURI YARAGANAVI	P	P	P	P	P	P	P	P	P	P	P
79	4AL15CV404	MOHD. SAHUL HAMMED	P	P	P	P	P	P	P	P	P	P	P
80	4AL15CV405	MUTTURAJ L ANNIGERI	P	P	P	P	P	P	P	P	P	P	P
81	4AL15CV407	PRAVEEN KUMAR R	P	P	P	P	P	P	P	P	P	P	P
82	4AL15CV409	RAJASHIEKHARA H	P	P	P	P	P	P	P	P	P	P	P
83	4AL15CV410	RAJESH H KAMBLI	P	P	P	P	P	P	P	P	P	P	P
84	4AL15CV411	RAJESH R N	P	P	P	P	P	P	P	P	P	P	P
85	4AL15CV412	RAJU LAMANI	P	P	P	P	P	P	P	P	P	P	P
86	4AL15CV414	SACHIN P	P	P	P	P	P	P	P	P	P	P	P
87	4AL15CV415	SAGAR M S	P	P	P	P	P	P	P	P	P	P	P

H.O.D.  
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88	4AL15CV416	SANJEEV KUMAR S	P	P	P	P	P	P	P	P	P	P	P
89	4AL15CV417	VEERESH WALI	P	P	P	P	P	P	P	P	P	P	P
90	4AL15CV419	VISHWA R	P	P	P	P	P	P	P	P	P	P	P

**H.O.D.**  
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# ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

Shobhavana Campus, Mijar, Moodbidri, D.K - 574225

## DEPARTMENT OF CIVIL ENGINEERING

### Summary

#### Day 1: 16 Jan 2018

The program was inaugurated by the HOD & Principal at 9:15 am with a student, later the certification course was briefly instructed by the principal and HOD to the gathering. The motivational speeches by both dignitaries lead the students to be enthusiastic and energized the mob.

The session started at 9:25 am by Prof. Adithya B Shenoy started to teach the theory from basics like coordinate systems, stiffness matrix method. The session continued with tools relating to usages as requirements.

#### Day 2: 17 Jan 2018

The session was started by Prof. Rashmi H on building model creation with multiple bays and staircase at different elevation levels.

In the afternoon session taught how to get and interpret the results from the element and its numbering to identify.

#### Day 3: 18 Jan 2018

The session was started by Prof. Akshatha S P on wind loading basics relating to IS 875: 1987 Part 1, 2 & 3.

In the afternoon session wind load case and its magnitude with reference to India context has worked out with students.

#### Day 4: 19 Jan 2018

The session was started by Prof. Rashmi on earthquake load using IS 1893:2002 part 1 to calculate manually how it acts and its basics.

In the afternoon session the loading options in software were taught and to compare the results with manual calculations.

#### Day 5: 20 Jan 2018

The session was started by Prof. Adithya B Shenoy on pushover analysis.

In the afternoon session concluding remarks done by the students.

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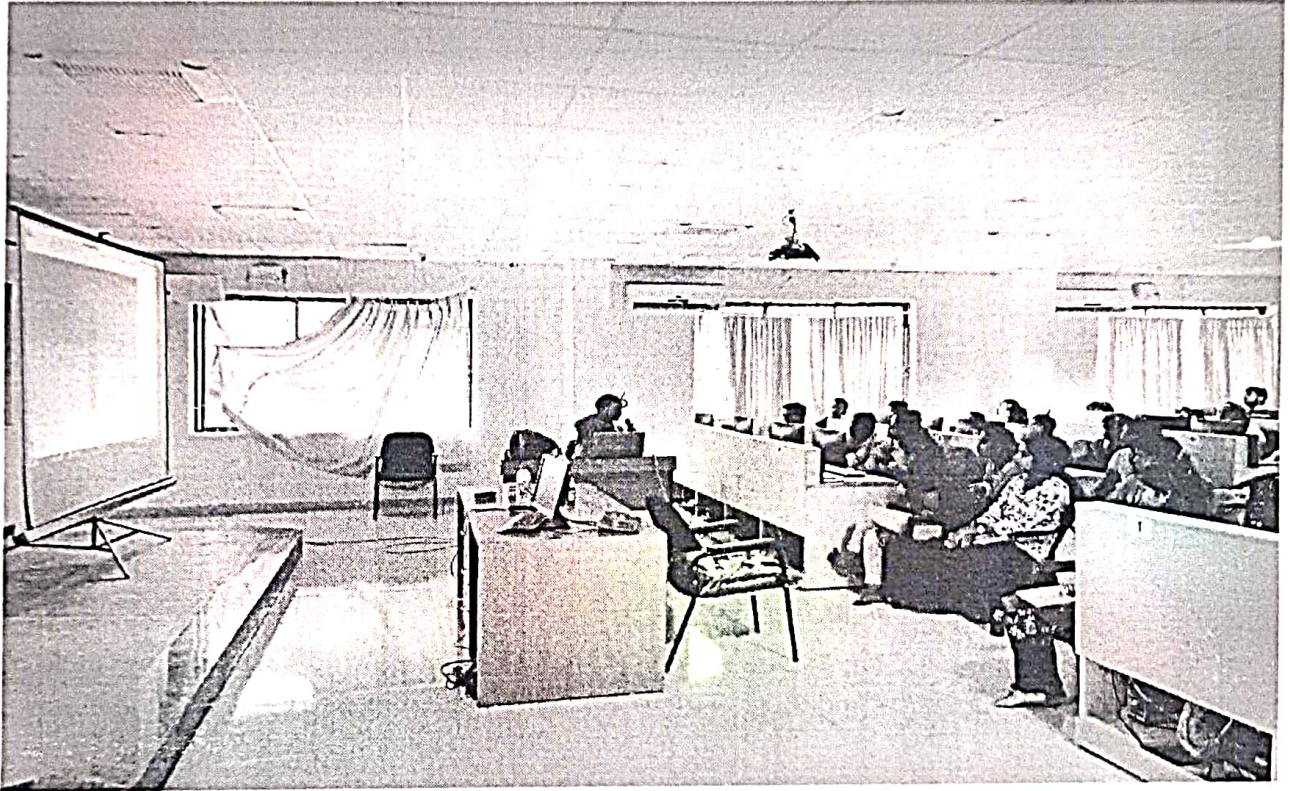


# ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

Shobhavana Campus, Mijar, Moodbidri, D.K - 574225

## DEPARTMENT OF CIVIL ENGINEERING

### PHOTOGRAPHS



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## DEPARTMENT OF CIVIL ENGINEERING

Note: All questions are compulsory.

1. How many types of meshing we have in STAAD.Pro?

A) 1

B) 2

C) 5

D) 4

2. In Concentrated Load, P is :

A) All of the above

B) Force Direction

C) Perpendicular distance from the member

D) Value of Load

3. In track parameter, we have which of the following values?

A) 2,3,4

B) 0,1,2

C) 1,0,2

D) 1,2,3

4. Which of the following sub-pages are in Foundation Plan Pages?

A) Linear Grid Setting

B) Radial Grid Setup

C) Column Positioning

D) Column Dimension and width

5. In floor load, Y is the :

A) Affective height

B) Floor height

C) Building height

D) All of the Above

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Q 6. Pinned Support will have \_\_\_\_\_ reactions

☐ A) 2

☐ B) 6

☐ C) 4

☐ D) 3

Q 7. In concrete design parameter, by default, value for clt (Clear Cover top) is:

☐ A) 25mm

☐ B) 12mm

☐ C) 30mm

☐ D) 20mm

Q 8. The minimum and maximum limits of number of divisions of each side are 1 to 100.

☐ A) true

☐ B) false

Q 9. By default, Response Reduction Factor Value for Special RC Moment Resisting Frame is?

☐ A) 1

☐ B) 3

☐ C) 6

☐ D) 5

Q 10. STAAD Pro Perform Analysis is:

☐ A) Taking into consideration the Displacement of Nodes

☐ B) Taking into consideration the Stiffness Corection

☐ C) Multi- Iteration Analysis

☐ D) None of the Above

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Department of Civil Engineering

#### FEEDBACK

STAAD PRO software  
11-20 Jan 2019

SI.NO	Description	Weightage		
		POOR	AVERAGE	GOOD
1	Topic title			✓
2	Communication of faculty		✓	
3	Explanation & Examples of Software theory		✓	
4	Knowledge of the faculty towards Software/course			✓
5	Faculty Interaction with students		✓	
6	Software Clarifications in the Lab		✓	
7	How was the entire Software training program?		✓	
8	Rate the sessions in the scale of 5	0		
Total =		0	5	2



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Department of Civil Engineering

#### FEEDBACK

STAAD PRO software 16-20 Jan 2019

SI.NO	Description	Weightage		
		POOR	AVERAGE	GOOD
1	Topic title		✓	
2	Communication of faculty			✓
3	Explanation & Examples of Software theory			✓
4	Knowledge of the faculty towards Software / course			✓
5	Faculty Interaction with students			✓
6	Software Clarifications in the Lab			✓
7	How was the entire Software training program?		✓	
8	Rate the sessions in the scale of 5		4	
Total =			2	5

*[Signature]*

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## DEPARTMENT OF CIVIL ENGINEERING

### *Certificate*

*This is to certify that Mr./Ms.....bearing the  
USN ..... from ..... has attended  
the Students Training Program on " **STAAD Pro**" from  
**16<sup>th</sup> January 2018 to 20<sup>th</sup> January 2018.***

Mr. Adithya Shenoy  
Coordinator

Prof. H Ajith Hebbar  
Head of the Department  
Civil Engineering

Dr. Peter Fernandes  
Principal  
AIET Moodbidri