



# **SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY**

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

ECE, EEE, MECH – NBA Accredited)

Dindigul – Palani Highway, Dindigul – 624 002

## **DEPARTMENT OF CIVIL ENGINEERING**

**ACADEMIC YEAR: 2018 – 2019**

### **VALUE ADDED COURSE**

<b>Sl. No</b>	<b>Name of the Course</b>	<b>No. of Students enrolled</b>	<b>No. of Hours</b>	<b>Page Number</b>
<b>1.</b>	<b>AutoCAD</b>	<b>48</b>	<b>50</b>	<b>110</b>
<b>2.</b>	<b>Revit Architecture</b>	<b>30</b>	<b>50</b>	<b>117</b>
<b>3.</b>	<b>Staad Pro</b>	<b>65</b>	<b>60</b>	<b>121</b>

  
**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**

**SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY****DEPARTMENT OF CIVIL ENGINEERING****Submitted to the Principal for kind approval:**

Sub: **Value added course** –reg.

I wish to bring to your kind notice that, In this semester we are going to conduct value added course (STAAD Pro, Revit Architecture, Autocad) for our students in association with CADD Technologies Coimbatore. In this connection we got willing list from students and got quotations from CAAD Technologies. Hence an approval may kindly be given to initiate the value added course

**No Students Willing to participate:**


STAAD Pro	= 48 No's	✓
Revit Architecture	= 30 No's	✓
Autocad	= 17 No's	✓

Thanking You

Enclosure :

1. Quotation

NW  
HOD

  
PRINCIPAL





## STAAD PRO V8i

*On site 50 Hours syllabus*

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

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



**SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
**DEPARTMENT OF CIVIL ENGINEERING**

**VALUE ADDED COURSE - WILLING TO ATTEND THE COURSE**

**AUTOCAD**

SEC& YEAR	WILLING	NOT WILLING	TOTAL STRENGTH
II-A	19	12	31
II-B	28	2	30
II-C	26	4	30
	73	18	91

Willing	73
notwilling	18

SEC& YEAR	AUTOCAD		REVIT		TOTAL STRENGTH
	Willing	Not Willing	Willing	Not Willing	
III-A	18	30	24	14	38
III-B	10	29	17	22	39
	28	59	41	36	77

COURSE	AUTOCAD	REVIT
Willing	28	41
Not Willing	59	36

SEC& YEAR	STAAD PRO		REVIT		ETABS		TOTAL STRENGTH
	Willing	Not Willing	Willing	Not Willing	Willing	Not Willing	
IV-A	33	5	29	9	18	20	38
IV-B	38	1	34	5	9	30	39
IV-C	28	11	19	20	3	36	39
	99	17	82	34	30	86	116

COURSE	willing	NOT WILLING
STAAD PRO	59	17
REVIT	82	34
ETABS	30	86

*AT*  
**FACULTY INCHARGE**

*NV/14.7.18*  
**HOD**

*Thamizh*  
**PRINCIPAL**



## SSM Institute of Engineering and Technology

Department of Civil Engineering

CIVIL - IV - A

## VALUE ADDED COURSE WILLING LIST

Register No.	Name of the student	STAAD PRO	REVIT ARCHITECTURE	ETABS	SIGN
922115103001	Abdul Kareem H A	✓	✓		V. S. Latha
922115103002	Abineth K	✓	✓		K. Harish
922115103003	Abis Chandralaka R	✓	✓	✓	R. Aris
922115103004	Ajith Kumar.M	✓	✓		A. Aris
922115103005	Akash Raj M	✓		✓	M. Akash Raj
922115103006	Amrithi V	✓	✓		V. Amrithi
922115103007	Anbu Durai. M	✓	✓	✓	M. Anbu
922115103008	Arul Selvam K	✓	✓		K. Arul Selvam
922115103009	Arunkumar. B		✓	✓	B. Arunkumar
922115103010	Arun Vignesh Raj. S	✓		✓	S. Arun Vignesh Raj
922115103012	Aswitha R	✓	✓	✓	R. Aswitha
922115103013	Bala Keerthiga B	✓	✓		B. Bala Keerthiga
922115103014	Bhavani Sn P	✓			P. Bhavani
922115103015	Chandrakumar. M	✓	✓	✓	M. Chandrakumar
922115103016	Deepalakshmi G	✓	✓		G. Deepalakshmi
922115103017	Dharshini Shree T P	✓	✓	✓	P. Dharshini Shree
922115103018	Dinesh M	✓	✓	✓	M. Dinesh
922115103019	Dravid Anto Viagul.B	✓	✓		B. Dravid Anto Viagul
922115103020	Gandhiraj S	✓	✓		S. Gandhiraj
922115103021	Ganesh. A	✓	✓	✓	A. Ganesh
922115103022	Gayathri K	✓			K. Gayathri
922115103023	Geethan. M. R	✓	✓	✓	R. Geethan
922115103025	Gokul Nath. R	✓	✓	✓	R. Gokul Nath
922115103026	Gowsalya A	✓			A. Gowsalya
922115103027	Gowtham T		✓		T. Gowtham
922115103028	Gowthamraj V S	✓	✓		S. Gowthamraj
922115103029	Hankrishnan M	✓	✓		M. Hankrishnan
922115103030	Hema Priya S				
922115103031	Janani N				
922115103032	Jeevanandham K	✓	✓	✓	K. Jeevanandham
922115103033	Jeevanantham V	✓	✓		V. Jeevanantham
922115103034	Jegan. P	✓	✓	✓	P. Jegan
922115103035	Joychisty V	✓			V. Joychisty
922115103036	Kaliya Perumal.S		✓	✓	S. Kaliya Perumal
922115103037	Kannan. K	✓	✓	✓	K. Kannan
922115103038	Karthikeyan. M	✓			M. Karthikeyan
922115103301	Arjun G	✓	✓	✓	G. Arjun
922115103302	N.Kamalakaran	✓	✓	✓	N. Kamalakaran



## SSM Institute of Engineering and Technology

Department of Civil Engineering

IV - B

## VALUE ADDED COURSE WILLING LIST

Sl.No.	Register No.	Name of the student	STAAD <del>AUTOCAD</del>	REVIT ARCHITECTURE	ETABS	SIGN
1	922115103039	Kavi Raja Pandiyan. N	✓	✓	✓	N. Raja
2	922115103040	Keerthana. P. M	✓	✓	X	K. Keerthana
3	922115103041	Kishor M	✓	✓		M. Kishor
4	922115103042	Kuna Sundar. C	✓	✓	✓	C. Kuna
5	922115103043	Lakshmiganth K	✓	✓	✓	K. Lakshmi
6	922115103044	Maanusha Sundaravadhana J R	✓	✓	✓	J. Maanusha
7	922115103045	Manasha Gayathiri M	✓	✓	✓	M. Manasha
8	922115103046	Mangudi. S	✓		✓	S. Mangudi
9	922115103047	Mani Kandan B	✓		✓	B. Mani
10	922115103048	Maniraja. R	✓	✓	X	R. Maniraja
11	922115103049	Manishankar.S	✓	✓	X	S. Manishankar
12	922115103050	Marish Sangavi S	✓	✓	X	S. Marish
13	922115103052	Mayildevan. Ar	✓			Ar. Mayildevan
14	922115103053	Megala Devi J	✓	✓	X	J. Megala Devi
15	922115103054	Mohamed Basith. A	✓	✓		A. Mohamed
16	922115103055	Mohammedhabibrahman. A	✓	✓		A. Mohammed
17	922115103056	Mohan Kumar. V	✓	✓	X	V. Mohan
18	922115103057	Monica S	✓	✓	X	S. Monica
19	922115103058	Muthu Kumaran. S	✓		✓	S. Muthu
20	922115103059	Nagendran P	✓	✓	X	P. Nagendran
21	922115103060	Nandhini A	✓	✓	X	A. Nandhini
22	922115103062	Naveen.P.V	✓	✓	+	V. Naveen
23	922115103063	Naveen Lourdu Raj. J	✓	✓	✓	J. Naveen
24	922115103064	Nirmal Kumar.M	✓	✓		M. Nirmal
25	922115103065	Palanichamy. P	✓	✓		P. Palanichamy
26	922115103066	Pandiselvi K	✓	✓	X	K. Pandiselvi
27	922115103067	Peer Mohamed.A	✓	✓	X	A. Peer
28	922115103069	Ponnangan M	✓	✓		M. Ponnangan
29	922115103070	Ponsuresh. M	✓	✓		M. Ponsuresh
30	922115103071	Prakash. E	✓	✓	X	E. Prakash
31	922115103072	Praveen Kumar. A	✓	✓		A. Praveen
32	922115103073	Preetha J	✓	✓	X	J. Preetha
33	922115103074	Ragavendran. M	✓	✓		M. Ragavendran
34	922115103075	Ragul. K				K. Ragul
35	922115103076	Rajakumaran. J	✓	✓	X	J. Rajakumaran
36	922115103303	Kesavan.R	✓	✓	X	R. Kesavan
37	922115103304	Muruganatham.M	✓	✓	X	M. Muruganatham
38	922115103701	Mohammed Fayaz.M	✓	✓	X	M. Mohammed
39	TFR	Ragavendran. .K.	✓	✓	X	K. Ragavendran



## SSM Institute of Engineering and Technology

Department of Civil Engineering

IV - C

## VALUE ADDED COURSE WILLING LIST

Register No.	Name of the student	STAAD PRO	REVIT ARCHITECTURE	ETABS	SIGN
922115103077	Raja Sekaran K	✓	✓		K. Raja
922115103078	Rajashree K	✓			R. Rajashree
922115103079	Rajesh. P		✓		P. Rajesh
922115103080	Rajesh Kannan. S	✓			S. Rajesh
922115103081	Rajesh Pandian. S	✓	✓		S. Rajesh
922115103082	Ramalakshmanan. B			✓	B. Ramalakshmanan
922115103083	Ram Kumar. S				
922115103084	Ramprasanth. L	✓	✓		L. Ramprasanth
922115103085	Ranjith. P P N	✓	✓		P. P. N. Ranjith
922115103086	Rathakrishnan. V.G	X	X	X	V. Rathakrishnan
922115103087	Ravichandran. T	✓			T. Ravichandran
922115103088	Refayathul Rahuman H	✓	✓		H. Refayathul Rahuman
922115103089	Rishikeshavaa N	✓	✓		N. Rishikeshavaa
922115103090	Robert Gideon Raj.C	✓	✓		C. Robert Gideon Raj
922115103091	Ronaldo. M. S	✓			S. Ronaldo
922115103092	Sakthibabu. M	✓	✓		M. Sakthibabu
922115103093	Salma. K		✓		K. Salma
922115103094	Sankara Lingam.G	✓	✓		G. Sankara Lingam
922115103095	Sankara Murthy.A	X	X	X	A. Sankara Murthy
922115103096	Santhoshkumar.L				
922115103097	Saravanakumar. M	✓	✓		M. Saravanakumar
922115103098	Sathish Kumar. B	✓			B. Sathish Kumar
922115103099	Selvam. R	✓	✓		R. Selvam
922115103100	Selvasurekha J	✓			J. Selvasurekha
922115103101	Shobana. S	✓			S. Shobana
922115103102	Sindhu S. V	✓			V. Sindhu S
922115103103	Sivakumar. S	✓	✓		S. Sivakumar
922115103104	Sonika S	✓	✓		S. Sonika
922115103105	Srinath. A				A. Srinath
922115103106	Srinivasan. G	✓	✓	✓	G. Srinivasan
922115103107	Sudharshan.V	✓			V. Sudharshan
922115103108	Sudhesh. J	✓			J. Sudhesh
922115103109	Surendar. S				
922115103110	Swetha.G	✓	✓	X	G. Swetha
922115103111	Tharanya. K	✓			K. Tharanya
922115103112	Vignesh. S	✓	✓		S. Vignesh
922115103113	Vignesh. S	✓	✓		S. Vignesh
922115103114	Vijayakumar. K	✓			K. Vijayakumar
922115103115	Vimal.S			✓	S. Vimal