

03.08.2016

From

Head of the Department
Department of Civil Engineering
PEC

To

The Principal
PEC

Respected Sir,

Sub- Request for Conducting Add on Certificate courses for Civil Engineering Students- Reg.

In our Academic Advisory committee meeting suggestions received from the various Experts we have to conduct Add on courses for our Civil Engineering students. In this regard we planned to conduct the courses namely Structural Analysis and Design Concepts using STADD PRO (IV Year students) and Total Station & GPS (III year Students). So I request you to grant permission to conduct the courses.

Thanking You

Your's faithfully



(Mr.S.Sarvathullah)

HOD/Civil





PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF CIVIL ENGINEERING

Academic year: 2016-17

Name of the add on/certificate program- Structural Analysis and Design Concepts using
STADD PRO

Students Name List- IV Year

S.NO	NAME
1.	Aravindan.M
2.	Aravindasamy.I
3.	Arulmozhiselvan.R
4.	Arun Kumar.P
5.	Balaji.S
6.	Balineni Venkata Sai Krishna
7.	Boobalan.D
8.	Chandu.K.V
9.	Devendiran.T.V
10.	Dinesh.P
11.	Fernandez.D
12.	Gali Manu Teja (S.D.12.08.2013)
13.	Itheeswaren.G
14.	Jayaprakash.M
15.	Murugan.V
16.	Narupalli Rushi Kesav Reddy
17.	Parkavi.V
18.	Prathiswaran.M.R
19.	Praveen Raj.R
20.	Purushothaman.T
21.	Raghavan.M
22.	Rajashree.S
23.	Sree Mani Krishna.H
24.	Suresh Vadivel.J
25.	Surjith.L
26.	Tatipigari Sai Narayan
27.	Tharun Chander.C
28.	Thatha Praveenkumar
29.	Vijay.K
30.	Vijay.T
31.	Vijayakumar.G
32.	Vinoth Kumar.G.O
33.	R.Shakthivel

34.	M.Sivakumar
35.	Mahesh Prabha.T
36.	Mylu Abhigna
37.	Madhan Kumar.P
38.	Mahalakshmi.P.D
39.	Manikandan.K
40.	Kalvikarasi.P
41.	Kalki Krupa.V

Name of the add on/certificate program: Total Station & GPS Surveying- III Year

S.NO	NAME
1.	Aadithyan .R
2.	Jaikumar .V
3.	Kaviswaran .K
4.	Madhankumar .S
5.	Alex Pandian.V
6.	Ajith Kumar .M
7.	Arul Mozhi Bharathi .D.V.
8.	Bharath Kumar .R
9.	Dhanalakshmi .E
10.	Dinesh .A (07.10.1995)
11.	Gayathri .D
12.	Karthick Yadava .P.K
13.	Kavitha .G
14.	Ganesh .J
15.	Daram Pradeep Kumar
16.	Hari Krishnan .A
17.	Kethepalli Dinesh Kumar
18.	Moule .B
19.	Nirmal .V
20.	Praveen Kumar .K
21.	Rahul Raj .A
22.	Rajendran Kavya
23.	Ranjith Kumar .R
24.	Rayapaneni Rajasekhar
25.	Senthilkumar .R
26.	Sureshbabu .R
27.	Thurimella Naga Sri Chandana
28.	Vignesh.P
29.	Nithesh .P
30.	Nuthaki Indudhar
31.	Pidugu Vishnuvardhan Kumar
32.	Poovarasam .K
33.	Prabhu.G
34.	Prakash .R
35.	Prasanth .R
36.	Ravuru Venkatesh
37.	Shanmugaraju.S
38.	Sridhar .R

PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2016-2017

Structural Analysis and Design Concepts using STADD PRO

Topics to be discussed

S.No	Topic	Duration	Date
1	Introduction to Structural Analysis software and Modelling	2 Hrs	16.08.2016
2	Assigning Structural Properties	2 Hrs	17.08.2016
3	Loading Pattern	2 Hrs	18.08.2016
4	Various design Parameters	2 Hrs	19.08.2016
5	Analysis of Structure- Simple structure	4 Hrs	20.08.2016
6	Foundation sizes & Reinforcements using support reactions from Staad,	2 Hrs	22.08.2016
7	Drafting of foundation layout	2 Hrs	23.08.2016
8	Column Reinforcement details	2 Hrs	24.08.2016
9	Beam Reinforcement details	2 Hrs	26.08.2016
10	Design and detailing for slab	4 Hrs	27.08.2016
11	Design and detailing for beam	2 Hrs	29.08.2016
12	Design and detailing for staircase	2 Hrs	30.08.2016
13	Practise	2 Hrs	31.08.2016
14	Practise	2 Hrs	01.09.2016
15	Practise	2 Hrs	02.09.2016
16	Practise	4 Hrs	03.09.2016

Evaluation procedure for certification program

- At the end of this session, student can able to plan an Individual House, Villas, Row houses, structures
- Modeling of proposed buildings for analyzing the structure.
- Assigning of Property, Loads, Designing parameters and generation of output.
- Designing of Footing, Column, Beam, slab and providing their reinforcement detailing.

Planning – 30% of the Marks awarded

Analysis – 30% of the Marks awarded

Design- 20% of the Marks awarded

Detailing – 20% of the marks awarded

PRATHYUSHA ENGINEERING COLLEGE

Evaluation criteria for certification program

Students who score more than 70 % in each program in each process and Who have more than 80% attendance of training classes conducted in a semester

PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF CIVIL ENGINEERING

TOTAL STATION AND GPS SURVEYING- ADD ON COURSE



COURSE OBJECTIVE:

The main objective of survey club is to felicitate students to gain experience on basic and advanced surveying techniques related to Civil Engineering work and to encourage Students to adopt the current requirement of industry with respect to the surveying.

BENEFITS:

- Helpful in placement
- Increase in the productivity of the Surveyor
- Increase the basic knowledge.

SYLLABUS		
SL NO	INSRI MENT	TOPICS COVERED
1		Basics of Surveying
2		Introduction to Surveying Instruments
3	Digital Theodolite	Tripod Setting and Bubble Setting
4	Digital Theodolite	Operating -- Horizontal Angles and Vertical Angles
5	Auto Level	Tripod Setting,Bubble and Staff Reading
6	Auto Level	Level Shifting and Closing
7	Auto Level	Level Shifting and Closing
8	Auto Level	Level Checking, Error Adjustment
9		AUTO LEVEL REVISION
10	Total Station	Tripod Setting ,Bubble Setting and Tilt Setting
11	Total Station	Creating New Job/File , Station , Back Sight,Fore Sight and Pole Handling
12	Total Station	Measuring and Storing Points,Tape Measurement and Area Survey
13	Total Station	Change Point(CP) Shifting using Fore Sight Method
14	Total Station	Change Point(CP) Shifting using Resection Method , REM and MLM
15	Total Station	Setting Out - Using Coordinates
16	Total Station	Setting Out - Using Distance and Angle
17	Total Station	Setting Out - Points at Equal length and Column Marking
18	Total Station	Angles and Area Calculation
19	Total Station	Level Shifting
20		TOTAL STATION REVISION
21		
22	DGPS	Base,Rover,GPS Connections and Settings
23	DGPS	GPS Operating (Garmin hand held, Omnistar 5220HP & Trimble 5800), Area Survey
24	DGPS	DGPS Survey by RTK,PPK and Static Methods
25	DGPS	Setting Out,COGO
26		Data Downloading,Data Processing, Converting Survey Data into AutoCAD format
27		Sample Road Project
28		Real Time Projects (Field Work)



ESTD. 2001

PRATHYUSHA

ENGINEERING COLLEGE



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE OF MERIT

This is to certify that Mr./Ms.....**V. ALEX.PANDIAN**..... has
Successfully completed Add on Course titled "Total Station GPS Surveying"
held at Prathyusha Engineering College from 30.01.2017 to 11.02.2017 .

Mr. K. Muthukumar

Mr.K.Muthukumar

Staff Incharge

Mr. S. Sarvathullah

Mr.S.Sarvathullah

HOD/Civil

Dr. P. L. N. Ramesh

Dr.P.L.N.Ramesh

Principal



ESTD. 2001

PRATHYUSHA


ENGINEERING COLLEGE




DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE OF MERIT

This is to certify that Mr./Ms.....*M. ARAVINDAN*..... has
Successfully completed Add on Course titled “Structural Analysis and Design
Concepts using STADD PRO” held at Prathyusha Engineering College from
16.08.2016 to 03.09.2016.


Mr. G. Rajasekar
Staff Incharge


Mr. S. Sarvathullah
HOD/Civil


Dr. P. L. N. Ramesh
Principal



ISSUED: 2007

PRATHYUSHA

ENGINEERING COLLEGE




DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE OF MERIT

This is to certify that Mr./Ms.....*M.*.....**ARAVINDAN**..... has
Successfully completed Add on Course titled ""Structural Analysis and Design
Concepts using STADD PRO"" held at Prathyusha Engineering College from
16.08.2016 to 03.09.2016.


Mr. G. Rajasekar
Principal


Mr. S. Sarfathullah
HOD/Civil


Dr. P. L. N. Ramesh
Principal

PRATHYUSHA ENGINEERING COLLEGE
DEPARTMENT OF CIVIL ENGINEERING

CIRCULAR

03.08.2016

Department of Civil Engineering has scheduled the Add on certificates titled **Structural Analysis and design concepts using STADD Pro** and **Total station and GPS Surveying** for the benefit of IV and III Year Students. The List of interested students informed to enroll them within 7 days .The Schedule is as follows.

S.No	Name of the Program	Programme Coordinator	Venue
1	Structural Analysis and design Concepts using STADD Pro	Mr.G.Rajasekar	CADD Lab
2	Total Station & GPS Surveying	Mr.K.Muthukumar	PEC Ground


HOD-CIVIL

Copy To:

1. All Department faculty
2. Programme Coordinator
3. Laboratory Incharges
4. To be read in all class room
5. Department Notice board

(Mr. S. Sarvathullah)



PRATHYUSHA ENGINEERING COLLEGE

LIST OF STUDENTS INTERESTED & ENROLLED

ACADEMIC YEAR : 2016-17

FACULTY COORDINATOR : Mr.G.RAJASEKAR

COURSE NAME: Structural Analysis and Design Concepts using STADD PRO

S.NO	NAME	DEPT	YEAR	SIGNATURE
1.	Aravindan.M	CIVIL	IV	<i>Aravind</i>
2.	Aravindasamy.I	CIVIL	IV	<i>Arav</i>
3.	Arulmozhiselvan.R	CIVIL	IV	<i>R. Arul</i>
4.	Arun Kumar.P	CIVIL	IV	<i>P. Arun</i>
5.	Balaji.S	CIVIL	IV	<i>S. Balaji</i>
6.	Balineni Venkata Sai Krishna	CIVIL	IV	<i>B.V. Krishna</i>
7.	Boobalan.D	CIVIL	IV	<i>D. Boobalan</i>
8.	Chandu.K.V	CIVIL	IV	<i>K.V. Chandu</i>
9.	Devendiran.T.V	CIVIL	IV	<i>T.V. Devendiran</i>
10.	Dinesh.P	CIVIL	IV	<i>P. Dinesh</i>
11.	Fernandez.D	CIVIL	IV	<i>D. Fernandez</i>
12.	Gali Manu Teja (S.D.12.08.2013)	CIVIL	IV	<i>G. Manu Teja</i>
13.	Itheeswaren.G	CIVIL	IV	<i>G. Itheeswaren</i>

14.	Jayaprakash.M	CIVIL	IV	M. Anur.
15.	Murugan.V	CIVIL	IV	V. Murugan
16.	Narupalli Rushi Kesav Reddy	CIVIL	IV	Rushik
17.	Parkavi.V	CIVIL	IV	V. Parkavi
18.	Prathiswaran.M.R	CIVIL	IV	M.R. Prathiswaran
19.	Praveen Raj.R	CIVIL	IV	R. Praveen
20.	Purushothaman.T	CIVIL	IV	P. Purushothaman
21.	Raghavan.M	CIVIL	IV	M. Raghavan
22.	Rajashree.S	CIVIL	IV	S. Rajashree
23.	Sree Mani Krishna.H	CIVIL	IV	H. Sree Mani Krishna
24.	Suresh Vadivel.J	CIVIL	IV	J. Suresh Vadivel
25.	Surjith.L	CIVIL	IV	L. Surjith
26.	Tatipigari Sai Narayan	CIVIL	IV	Narayan. T.
27.	Tharun Chander.C	CIVIL	IV	C. Tharun Chander
28.	Thatha Praveenkumar	CIVIL	IV	Kumar. Praveen
29.	Vijay.K	CIVIL	IV	K. Vijay
30.	Vijay.T	CIVIL	IV	T. Vijay
31.	Vijayakumar.G	CIVIL	IV	G. Vijayakumar
32.	Vinoth Kumar.G.O	CIVIL	IV	O. G. Vinod Kumar
33.	R.Shakthivel	CIVIL	IV	R. Shakthivel

34.	M.Sivakumar	CIVIL	IV	<i>M.Sivakumar</i>
35.	Mahesh Prabha.T	CIVIL	IV	<i>T. Mahesh Prabha</i>
36.	Mylu Abhigna	CIVIL	IV	<i>Mylu Abhigna</i>
37.	Madhan Kumar.P	CIVIL	IV	<i>Madhan Kumar.P</i>
38.	Mahalakshmi.P.D	CIVIL	IV	<i>P.D. Mahalakshmi</i>
39.	Manikandan.K	CIVIL	IV	<i>K. Manikandan</i>
40.	Kalvikarasi.P	CIVIL	IV	<i>P. Kalvikarasi</i>
41.	Kalki Krupa.V	CIVIL	IV	<i>Kalki Krupa.V</i>

S.NO	NAME	YEAR	DEPT	16.08.2016	17.08.2016	18.08.2016	19.08.2016	20.08.2016	22.08.2016	23.08.2016	24.08.2016	26.08.2016	27.08.2016	29.08.2016	30.08.2016	31.08.2016	01.09.2016	02.09.2016	03.09.2016
				AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN
30	Vijay.T	IV	Civil	T. Vijay	T. Vijay	T. Vijay	T. Vijay	T. Vijay	T. Vijay	T. Vijay	T. Vijay	T. Vijay	T. Vijay	T. Vijay	T. Vijay	T. Vijay	T. Vijay	T. Vijay	T. Vijay
31	Vijayakumar.G	IV	Civil	G. Vijayakumar	G. Vijayakumar	G. Vijayakumar	G. Vijayakumar	G. Vijayakumar	G. Vijayakumar	G. Vijayakumar	G. Vijayakumar	G. Vijayakumar	G. Vijayakumar	G. Vijayakumar	G. Vijayakumar	G. Vijayakumar	G. Vijayakumar	G. Vijayakumar	G. Vijayakumar
32	Vinoth Kumar.G.O	IV	Civil	G.O. Vinodh Kumar	G.O. Vinodh Kumar	G.O. Vinodh Kumar	G.O. Vinodh Kumar	G.O. Vinodh Kumar	G.O. Vinodh Kumar	G.O. Vinodh Kumar	G.O. Vinodh Kumar	G.O. Vinodh Kumar	G.O. Vinodh Kumar	G.O. Vinodh Kumar	G.O. Vinodh Kumar	G.O. Vinodh Kumar	G.O. Vinodh Kumar	G.O. Vinodh Kumar	G.O. Vinodh Kumar
33	R.Shakthivel	IV	Civil	R. Shakthivel	R. Shakthivel	R. Shakthivel	R. Shakthivel	R. Shakthivel	R. Shakthivel	R. Shakthivel	R. Shakthivel	R. Shakthivel	R. Shakthivel	R. Shakthivel	R. Shakthivel	R. Shakthivel	R. Shakthivel	R. Shakthivel	R. Shakthivel
34	M.Sivakumar	IV	Civil	M. Sivakumar	M. Sivakumar	M. Sivakumar	M. Sivakumar	M. Sivakumar	M. Sivakumar	M. Sivakumar	M. Sivakumar	M. Sivakumar	M. Sivakumar	M. Sivakumar	M. Sivakumar	M. Sivakumar	M. Sivakumar	M. Sivakumar	M. Sivakumar
35	Mahesh Prabha.T	IV	Civil	T. Mahesh Prabha	T. Mahesh Prabha	T. Mahesh Prabha	T. Mahesh Prabha	T. Mahesh Prabha	T. Mahesh Prabha	T. Mahesh Prabha	T. Mahesh Prabha	T. Mahesh Prabha	T. Mahesh Prabha	T. Mahesh Prabha	T. Mahesh Prabha	T. Mahesh Prabha	T. Mahesh Prabha	T. Mahesh Prabha	T. Mahesh Prabha
36	Mylu Abhigna	IV	Civil	A. Mylu Abhigna	A. Mylu Abhigna	A. Mylu Abhigna	A. Mylu Abhigna	A. Mylu Abhigna	A. Mylu Abhigna	A. Mylu Abhigna	A. Mylu Abhigna	A. Mylu Abhigna	A. Mylu Abhigna	A. Mylu Abhigna	A. Mylu Abhigna	A. Mylu Abhigna	A. Mylu Abhigna	A. Mylu Abhigna	A. Mylu Abhigna
37	Madian Kumar.P	IV	Civil	P. Madhan Kumar	P. Madhan Kumar	P. Madhan Kumar	P. Madhan Kumar	P. Madhan Kumar	P. Madhan Kumar	P. Madhan Kumar	P. Madhan Kumar	P. Madhan Kumar	P. Madhan Kumar	P. Madhan Kumar	P. Madhan Kumar	P. Madhan Kumar	P. Madhan Kumar	P. Madhan Kumar	P. Madhan Kumar
38	Mahalakshmi.P.D	IV	Civil	D. Mahalakshmi	D. Mahalakshmi	D. Mahalakshmi	D. Mahalakshmi	D. Mahalakshmi	D. Mahalakshmi	D. Mahalakshmi	D. Mahalakshmi	D. Mahalakshmi	D. Mahalakshmi	D. Mahalakshmi	D. Mahalakshmi	D. Mahalakshmi	D. Mahalakshmi	D. Mahalakshmi	D. Mahalakshmi
39	Manikandan.K	IV	Civil	K. Manikandan	K. Manikandan	K. Manikandan	K. Manikandan	K. Manikandan	K. Manikandan	K. Manikandan	K. Manikandan	K. Manikandan	K. Manikandan	K. Manikandan	K. Manikandan	K. Manikandan	K. Manikandan	K. Manikandan	K. Manikandan
40	Kalvikarasi.P	IV	Civil	P. Kalvikarasi	P. Kalvikarasi	P. Kalvikarasi	P. Kalvikarasi	P. Kalvikarasi	P. Kalvikarasi	P. Kalvikarasi	P. Kalvikarasi	P. Kalvikarasi	P. Kalvikarasi	P. Kalvikarasi	P. Kalvikarasi	P. Kalvikarasi	P. Kalvikarasi	P. Kalvikarasi	P. Kalvikarasi
41	Kalki Krupa V	IV	Civil	V. Kalki Krupa	V. Kalki Krupa	V. Kalki Krupa	V. Kalki Krupa	V. Kalki Krupa	V. Kalki Krupa	V. Kalki Krupa	V. Kalki Krupa	V. Kalki Krupa	V. Kalki Krupa	V. Kalki Krupa	V. Kalki Krupa	V. Kalki Krupa	V. Kalki Krupa	V. Kalki Krupa	V. Kalki Krupa

Faculty Incharge

G. Rajesha

HOD/CIVIL

A. Sivali
CS-vallabhi



PRATHYUSHA ENGINEERING COLLEGE

LIST OF STUDENTS INTERESTED & ENROLLED

ACADEMIC YEAR : 2016-17

FACULTY COORDINATOR : Mr.K.MUTHUKUMAR

COURSE NAME: Total Station & GPS Surveying

S.NO	NAME	DEPT	YEAR	SIGNATURE
1.	Aadithyan .R	CIVIL	III	R. Aady.
2.	Jaikumar .V	CIVIL	III	V. Jaikumar
3.	Kaviswaran .K	CIVIL	III	K. Kaviswaran
4.	Madhankumar .S	CIVIL	III	S. Madhankumar
5.	Alex Pandian.V	CIVIL	III	A. Pandian
6.	Ajith Kumar .M	CIVIL	III	M. Ajith Kumar
7.	Arul Mozhi Bharathi .D.V.	CIVIL	III	D.V. Arul Mozhi Bharathi
8.	Bharath Kumar .R	CIVIL	III	R. Bharath Kumar
9.	Dhanalakshmi .E	CIVIL	III	E. Dhanalakshmi
10.	Dinesh .A (07.10.1995)	CIVIL	III	A. Dinesh
11.	Gayathri .D	CIVIL	III	D. Gayathri
12.	Karthick Yadava .P.K	CIVIL	III	P.K. Karthick Yadava

13.	Kavitha .G	CIVIL	III	G. Kavitha
14.	Ganesh .J	CIVIL	III	J. Ganesh
15.	Daram Pradeep Kumar	CIVIL	III	R. Pradeep
16.	Hari Krishnan .A	CIVIL	III	A. Hari Krishnan
17.	Kethepalli Dinesh Kumar	CIVIL	III	D. Kethepalli
18.	Moule .B	CIVIL	III	B. Moule
19.	Nirmal .V	CIVIL	III	V. Nirmal
20.	Praveen Kumar .K	CIVIL	III	K. Praveen
21.	Rahul Raj .A	CIVIL	III	A. Rahul Raj
22.	Rajendran Kavya	CIVIL	III	K. Rajendran
23.	Ranjith Kumar .R	CIVIL	III	R. Ranjith
24.	Rayapaneni Rajasekhar	CIVIL	III	R. Rayapaneni
25.	Senthilkumar .R	CIVIL	III	R. Senthilkumar
26.	Sureshbabu .R	CIVIL	III	R. Sureshbabu
27.	Thurimella Naga Sri Chandana	CIVIL	III	C. Thurimella
28.	Vignesh.P	CIVIL	III	P. Vignesh
29.	Nithesh .P	CIVIL	III	P. Nithesh
30.	Nuthaki Indudhar	CIVIL	III	I. Nuthaki
31.	Pidugu Vishnuvardhan Kumar	CIVIL	III	K. Vishnuvardhan
32.	Poovarasani .K	CIVIL	III	K. Poovarasani

33.	Prabhu.G	CIVIL	III	
34.	Prakash .R	CIVIL	III	G. RL.
35.	Prasanth .R	CIVIL	III	EMr
36.	Ravuru Venkatesh	CIVIL	III	R. Praadha
37.	Shanmugaraju.S	CIVIL	III	V. S. S.
38.	Sridhar .R	CIVIL	III	R. S.

S.NO	NAME	YEAR	DEPT	30.01.2017	31.01.2017	01.02.2017	02.02.2017	03.02.2017	06.02.2017	07.02.2017	08.02.2017	09.02.2017	10.02.2017	11.02.2017
				FN	AN	FN	AN	FN	AN	AN	AN	AN	AN	AN
33	Prabhu.G	III	Civil	G.RL	G.RL	G.RL	G.RL	G.RL	G.RL	G.RL	G.RL	G.RL	G.RL	G.RL
34	Prakash.R	III	Civil	P.MS	P.MS	P.MS	P.MS	P.MS	P.MS	P.MS	P.MS	P.MS	P.MS	P.MS
35	Prasanth.R	III	Civil	R.Pal	R.Pal	R.Pal	R.Pal	R.Pal	R.Pal	R.Pal	R.Pal	R.Pal	R.Pal	R.Pal
36	Ravuru Venkatesh	III	Civil	Venka	Venka	Venka	Venka	Venka	Venka	Venka	Venka	Venka	Venka	Venka
37	Shanmugaraju.S	III	Civil	Surya	Surya	Surya	Surya	Surya	Surya	Surya	Surya	Surya	Surya	Surya
38	Sridhar.R	III	Civil	Rail	Rail	Rail	Rail	Rail	Rail	Rail	Rail	Rail	Rail	Rail

K. Madhupras
STAFF INCHARGE

Z. H. J.
HOD/ CIVIL
(S. Sarvathullah)