



SRI SRINIVASA EDUCATIONAL & CHARITABLE TRUST (R)
Sapthagiri College of Engineering
(Affiliated to Visvesvaraya Technological University, Belgaum & Approved by AICTE, New Delhi)

FACULTY FEEDBACK ON CURRICULUM

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, teaching, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the program of studies/institution.

Academic Year	2014-2015
Branch	Civil
Name of the Faculty	Padma Luma
Designation	A.P
Subject/Sub. code	10CV45 Surveying-02

Rate the curriculum/syllabus on the following Points

SL NO	Statements	Excellent 5	Very good 4	Good 3	Average 2	Below Average 1
1	Do you feel that the curriculum is defined in a way to clarify your teaching goals and what you expect your students to learn?	✓				
2	Is the curriculum sufficient to bridge the gap between industry standards /current global scenarios and academics?	✓				
3	Is the timely coverage of curriculum possible in the mentioned number of hours?	✓				
4	Sufficient reference material and books are available for the topics mentioned in the curriculum?	✓				
5	The evaluation methods mentioned in the curriculum are sufficient for providing proper assessment?	✓				
6	Curriculum is suitable to the course	✓				
7	The curriculum/course of this subject increased my knowledge and perspective in the subject area	✓				

Suggestions: Very helpful for students to learn about total station and it is very essential for next semesters also

Signature
Padma Luma

Principal
Sapthagiri College of Engineering
Chikkasandra, Hosurghatta Road
Bangalore-560 057



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FACULTY FEEDBACK ON CURRICULUM

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, teaching, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the program of studies/institution.

Academic Year	2014-2015
Branch	Civil
Name of the Faculty	Pushpa Lumina
Designation	A.P
Subject/Sub. code	10CV34. Surveying.01

Rate the curriculum/syllabus on the following Points

SL NO	Statements	Excellent	Very good	Good	Average	Below Average
		5	4	3	2	1
1	Do you feel that the curriculum is defined in a way to clarify your teaching goals and what you expect your students to learn?	✓				
2	Is the curriculum sufficient to bridge the gap between industry standards /current global scenarios and academics?	✓				
3	Is the timely coverage of curriculum possible in the mentioned number of hours?		✓			
4	Sufficient reference material and books are available for the topics mentioned in the curriculum?	✓				
5	The evaluation methods mentioned in the curriculum are sufficient for providing proper assessment?	✓				
6	Curriculum is suitable to the course	✓				
7	The curriculum/course of this subject increased my knowledge and perspective in the subject area	✓				

Suggestions: Theory is sufficient for students to learn about instruments and also if total station demo is provided very help full for students in surveying. Along.

Signature

Pushpa Lumina

Principal

Sapthagiri College of Engineering
 Chikkasandra, Hesaraghatta Road

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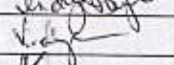
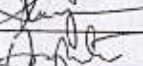


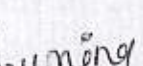
Department of Civil Engineering

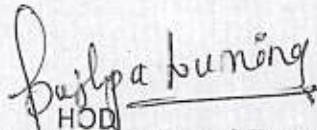
Circular

Date: 25/05/2015

Academic committee members meeting for analyzing curriculum syllabus of Academic Year 2014-15.

This is to inform that there will be a meeting of Academic committee members for analyzing curriculum syllabus of academic year 2015-16. The meeting is scheduled on 26/05/2015 at 2.00 pm in HOD's chamber.

Sl No.	Faculty Name	Designation	Signature
1	Prof. Pushpa Lumina	HOD	
2	Prof. Hemalatha K	Assistant professor	
3	Prof. Vindhya Bhagwan	Assistant professor	
4	Prof. Vindhya R G	Assistant professor	
5	Prof. Krupa.T.L	Assistant professor	
6	Prof. Arpitha D J	Assistant professor	
7	Prof. Arjun C Haktoor	Assistant professor	


HOD
HOD, Dept. of Civil Engg.
S.C.E, Bangalore-560 057


Principal
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Bangalore-560 057

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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057

Department of Civil Engineering

Date: 26/05/2015





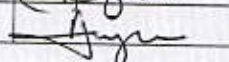


MINUTES OF MEETING

With reference to circular dated on 26/05/2015, the academic committee member assembled in HODs chamber for addressing the following agenda.

Agenda:

- Reviewing the department curriculum syllabus of Academic Year 2015-16
- Reviewing the feedback analysis of various stake holders of the Academic Year 2014-2015
- Identifying the gaps in the syllabus
- Action to be taken for the identified gaps.

During the meeting the following members were present

Sl No.	Faculty Name	Designation	Signature
1	Prof. Pushpa Lumina	HOD	
2	Prof. Hemalatha. K	Assistant professor	
3	Prof. Vindhya Bhagwan	Assistant professor	
4	Prof. Vindhya R G	Assistant professor	
5	Prof. Krupa. T L	Assistant professor	
6	Prof. Arpitha D J	Assistant professor	
7	Prof. Arjun C Haktoor	Assistant professor	

SL.NO	Course Title	Identified Gap
1	Surveying I and II	Lack of practical implemetnation

The following points were discussed in the meeting

1. The committee members reviewed the analysis of department curriculum syllabus.
2. The committee members discussed about the feedback of department curriculum syllabus.
3. The members identified the gaps based on the analysis.

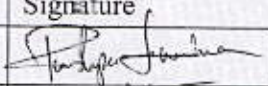
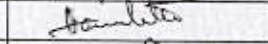


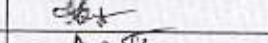
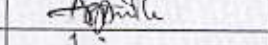

Principal

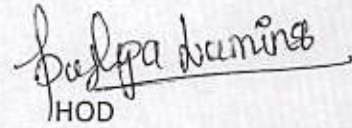
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Chikkasandra, Hesaraghatta Road
560057

4. The following actions were taken for the gaps that are identified.

Action Taken:

Based on the feedback obtained from Students, Faculties and Alumni and analysis of syllabus by department academic committee members, it was decided to conduct certification course to overcome the gaps identified in the curriculum/syllabus.

Sl No.	Faculty Name	Designation	Signature
1	Prof. Pushpa Lumina	HOD	
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3	Prof. Vindhya Bhagwan	Assistant professor	
4	Prof. Vindhya R G	Assistant professor	
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7	Prof. Arjun C Haktoor	Assistant professor	


HOD

HOD, Dept. of Civil Engg.
S.C.E, Bangalore-560 057,


Principal

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Department of Civil Engineering

Date: 26/05/2015

To

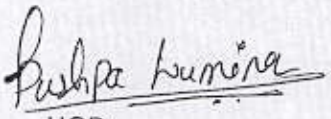
IQAC Coordinator
Sapthagiri College of Engineering
Bengaluru-560 057

Respected sir/madam,

Subject: Requisition for conduction of certification course and approval from Governing Council.

With respect to the Academic committee members meeting was held for analyzing department curriculum/syllabus for the academic year 2014-15. The committee members identified few gaps after analyzing the syllabus and feedback from the stakeholders. To bridge the gaps identified in the curriculum, the committee members decided to conduct a certification course for the academic year 2015-16. So, I request you to forward and get the approval from the governing council for the same.

Thanking You,


HOD

HOD, Department of Civil Engineering,
S.C.E., Bengaluru-560 057

*Forwarded to the
G.C. approval & ratification
Senu*


Principal

Sapthagiri College of Engineering
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Department of Civil Engineering

Date: 26-05-2015

From:

The IQAC Coordinator,
Sapthagiri College of Engineering,
Bengaluru-560057

To:

The Principal,
Sapthagiri College of Engineering,
Bengaluru-560057

Respected Sir,

Subject: Requisition for the approval to Conduct Certification Program

Department of Civil Engineering has planned to conduct a 5 days certification program on "Application of Total station" from 25th January to 30th January 2016. So, I request you to kindly consider and approve the same so as to proceed further.

Thanking you,

Yours faithfully,

Bushpa Luma
HOD

HOD, Dept. of Civil Engg.
S.C.E, Bangalore-560057

*Forwarded for the G.C
approval & satisfaction*
[Signature]

[Signature]
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore-560057

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Department of Civil Engineering

Date: 26-05-2015

To,

THE IQAC Coordinator
Sapthagiri College of Engineering
Bangalore - 560057.

Respected Sir,

Subject: Budget Proposal for conduction of certification program on "Application of Total station"

The Budget Proposal for conduction a certification program on "Application of Total station" from 25th January to 30th January 2016 is hereby enclosed for your kind consideration and approval.

The details of the Recurring budget are given as follows:
Recurring Amount:

Sl. No.	Description	Quantity	Amount in Rs.
1	Bouquet	1	200
2	Certificates	Students	2000
3	Others		1000
Total			3200

*Forwarded for the
HC approval & certification*

[Signature]

[Signature]
HOD

HOD, Dept. of Civil Engg.
S.C.E, Bangalore-560 057

[Signature]
Principal

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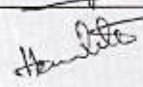
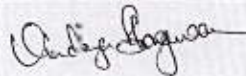



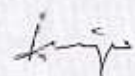
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Department of Civil Engineering

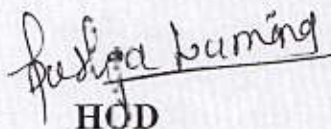
20-01-2016

CIRCULAR

This is to inform that the following Curriculum Board members are requested to attend the meeting on 20/01/2016 at 10.00AM in the HODs chamber to decide the syllabus and the lesson plan for the certification program on "Application of Total Station"

Sl No.	Faculty Name	Designation	Signature
1	Prof. Pushpa Lumina	HOD	
2	Prof. Hemalatha. K	Assistant professor	
3	Prof. Vindhya Bhagwan	Assistant professor	
4	Prof. Vindhya R G	Assistant professor	
5	Prof. Krupa.T.L	Assistant professor	
6	Prof. Arpitha D J	Assistant professor	
7	Prof. Arjun C Haktoor	Assistant professor	


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Bengaluru-560057


HOD

HOD, Dept. of Civil Engg.
S.C.E, Bangalore-560057

Date: 19-01-2016

To,

Dr Ramchandrappa,
Professor & HOD,
Dept of Civil Engg,
Sri Devi college of engineering,
Tumkur.

Respected Sir,

Subject: Invitation as a "Guest Speaker" in certification program and to attend meeting to discuss about the certification program

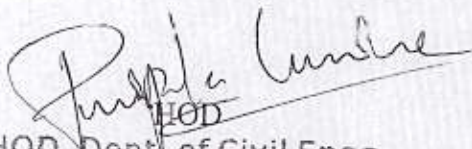
Department of Civil Engineering have planned to conduct a certification program titled "Application of Total Station" for civil students from 25th January to 30th January 2016. In this connection, we are privileged to invite you as a guest speaker on the above mentioned topic.

Thanking you for your kind acceptance to our request on phone. We request you to attend the meeting to discuss about the conduction of certification course on 20/01/2016 at 10:00AM HOD chamber. We look forward to welcome you at SCE.

Thanking you


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesarahatta Road
Bengaluru- 560 057

Yours faithfully


HOD
HOD, Dept. of Civil Engg.
S.C.E, Bangalore-560 057.

Minutes of Meeting

A meeting was conducted on 20-01-2016 in Civil HoD's Chamber to discuss and approve the following about the 5 days Certification Course for Civil Students.

- **Course Title :** "Application of Total station "
- **Resource Personnel :** Dr Ramchandrappa, Professor & HOD, Dept of Civil Engg, Sri Devi college of engineering, Tumkur
- **Course Duration & Date:** 5 Days from 25th January to 30th January 2016
- **Course Content :**

Dates	SESSION 1 (9:00AM TO 12:00PM)	SESSION 2 Hands on Session (1:30PM TO 4:30PM)	No. of hours
25/01/2016	<ul style="list-style-type: none"> • Master of Ceremony • Importance of total station • Needs of total station 	<ul style="list-style-type: none"> • How to handle and fixing of total station 	6
27/01/2016	<ul style="list-style-type: none"> • Basic 7 steps of total station • 1st step-3 points traverse procedure 	<ul style="list-style-type: none"> • 3 points traverse procedure 	5
28/01/2016	<ul style="list-style-type: none"> • 2nd step-3 points traverse sheet 1 • 3rd step-3 points traverse sheet 2 	<ul style="list-style-type: none"> • 3 points traverse sheet 1 • 3 points traverse sheet 2 	6
29/01/2016	<ul style="list-style-type: none"> • 4th step- Topographical surveying • 5th step- Area calculation • Errors of total station 	<ul style="list-style-type: none"> • Topographical surveying • Area calculation • Error identification 	6
30/01/2016	<ul style="list-style-type: none"> • 6th step- Solving errors • 7th step- Marking layouts • Solve the errors of total station 	<ul style="list-style-type: none"> • Solving errors • Marking layouts • Discussion and doubts • Test Conduction 	6

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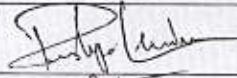
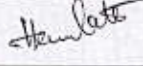
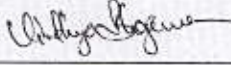
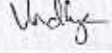
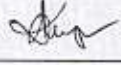
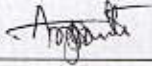
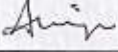

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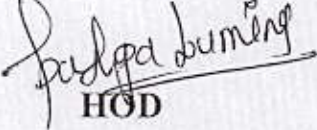
Fax: 080-28372797

Department of Civil Engineering

The following Curriculum board members were present

Sl No.	Faculty Name	Designation	Signature
1	Prof. Pushpa Lumina	HOD	
2	Prof. Hemalatha. K	Assistant professor	
3	Prof. Vindhya Bhagwan	Assistant professor	
4	Prof. Vindhya R G	Assistant professor	
5	Prof. Krupa.T.L	Assistant professor	
6	Prof. Arpitha D J	Assistant professor	
7	Prof. Arjun C Haktoor	Assistant professor	
8	Dr Ramchandrapa	Guest Speaker	


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HOD
HOD Dept. of Civil Engg.
S.C.E. Bangalore-560057



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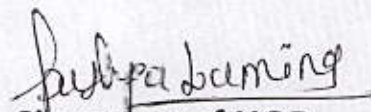
Fax: 080-28372797

Department of Civil Engineering

NOTICE

As a part of programming skill development Department of Civil Engineering is conducting Five days Certification Course on "Application of Total Station" 25th January to 30th January 2016. All the civil students must attend the course compulsorily.

Venue: Seminar hall


Signature of HOD

HOD, Dept. of Civil Engg.
S.C.E, Bangalore-560 057


Principal

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DEPARTMENT OF CIVIL ENGINEERING

Academic year 2015-2016

Enrolment list

CERTIFICATION COURSE: "Application of Total Station"

Sl.No	USN	Name of the student	Sl.No	USN	Name of the student
1	1SG14CV001	Abdul Wahab	64	1SG15CV002	Anil Kumar Reddy
2	1SG14CV002	Aditya Shuram	65	1SG15CV003	Anjana Jagadeesh
3	1SG14CV004	Bharath B	66	1SG15CV004	Aslam Idrish
4	1SG14CV006	Chaithra S	67	1SG15CV005	B E Pavan Kumar
5	1SG14CV007	Chandru L	68	1SG15CV006	Benaka Kumar S
6	1SG14CV008	Deepak C Gowda	69	1SG15CV007	Bharath .K
7	1SG14CV009	Dharanesh Gowda	70	1SG15CV010	Chethan S Patil
8	1SG14CV010	Ganesh P	71	1SG15CV012	G Sai Frasanna Kumar
9	1SG14CV011	Gayathri R	72	1SG15CV014	Gangaraju T
10	1SG14CV012	Gowtham H N	73	1SG15CV015	Gazi.Mohammed Mansoor
11	1SG14CV013	Guruprasad V	74	1SG15CV017	Gowtham M
12	1SG14CV017	Karthik Krishna M K	75	1SG15CV018	Hamsa T N
13	1SG14CV019	Kavitha B N	76	1SG15CV019	Harsha N
14	1SG14CV020	Kavya C J	77	1SG15CV020	Jayalakshmi B L
15	1SG14CV022	Kruthi Changappa	78	1SG15CV021	Kanoj S V
16	1SG14CV023	Kushal S	79	1SG15CV022	Karthik Kuttappa B.J
17	1SG14CV024	Mamantheshwari K S	80	1SG15CV024	Konsam Loyangamba Singh
18	1SG14CV025	Manjunatha G	81	1SG15CV026	Makbcol
19	1SG14CV026	Manohar B G	82	1SG15CV029	Manoj .M
20	1SG14CV028	Nandan Kumar T S	83	1SG15CV031	Mohmed Rafeeq
21	1SG14CV029	Naresh Yadav	84	1SG15CV032	Mohammed Riaz J
22	1SG14CV030	Naveen M G	85	1SG15CV033	Mohar. Raj.A
23	1SG14CV031	Nishanth V	86	1SG15CV035	Namratha A.V
24	1SG14CV032	Pooja M	87	1SG15CV036	Poorva M.B
25	1SG14CV033	Pooja T R	88	1SG15CV037	Prakash S H
26	1SG14CV034	Rahul P Karagudari	89	1SG15CV038	Prem Fernandes
27	1SG14CV035	Ramyashree R	90	1SG15CV040	Raksh th Gowda.V
28	1SG14CV036	Raushan Kumar Singh	91	1SG15CV041	Ramya.K.V
29	1SG14CV037	Revati Arkachari M	92	1SG15CV042	Sachin Reddy
30	1SG14CV038	Rohan Raman	93	1SG15CV045	Sarintabu R.H
31	1SG14CV039	Roopa U	94	1SG15CV046	Sharath V
32	1SG14CV040	S R Suryakanth	95	1SG15CV048	Shetty Lavaraj Rama
33	1SG14CV041	Sachin G R	96	1SG15CV049	Shivaprasad H M
34	1SG14CV042	Sachin S M	97	1SG15CV050	Shree ith R
35	1SG14CV043	Sahas K R	98	1SG15CV051	Shylesh S D
36	1SG14CV044	Saleem S	99	1SG15CV052	Sushma .L
37	1SG14CV045	Sampath Kumar B R	100	1SG15CV053	Sushmitha A

Principal

Sapthagiri College of Engineering

Chikkasandra, Hesaraghatta Road

39	ISG14CV049	Suhas L N	102	ISG15CV055	V U Aishwarya
40	ISG14CV051	Sunil Singh	103	ISG15CV056	Vignesh Rao S
41	ISG14CV052	Thippeshappa V M	104	ISG15CV057	Sachin Kumar A K
42	ISG14CV055	Yusuf P J			
43	ISG15CV400	Dharma U N			
44	ISG15CV401	Dilip Kumar B C			
45	ISG15CV402	Divya R			
46	ISG15CV403	Eranagouda			
47	ISG15CV404	Gajendra T R			
48	ISG15CV405	Gopal G			
49	ISG15CV406	Keshav Murthy			
50	ISG15CV407	Mahesh Kumar B			
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52	ISG15CV409	Nani Babu			
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54	ISG15CV411	Niranjan C S			
55	ISG15CV412	Nithin Kumar C T			
56	ISG15CV413	Pawan R			
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58	ISG15CV415	Sathish G P			
59	ISG15CV416	Shashank			
60	ISG15CV417	Shashi Kumar D R			
61	ISG15CV418	Tejaswini B N			
62	ISG15CV419	Venkatesh K			
63	ISG15CV420	Yogesh B			

Coordinator *Vindhya R G*

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DEPARTMENT OF CIVIL ENGINEERING

Academic year 2015-2016

CERTIFICATION COURSE: "Application of Total Station"

Sl.No	USN	Name of the student	25/1/2016		27/1/2016		28/1/2016		29/1/2016		30/1/2016	
			M/S	A/S	M/S	A/S	M/S	A/S	M/S	A/S	M/S	A/S
1	ISG14CV001	Abdu Wahab	1	2	3	4	5	6	7	8	9	10
2	ISG14CV002	Aditya Shuram	1	2	3	4	5	6	7	8	9	10
3	ISG14CV004	Eharath B	1	2	3	4	5	6	7	8	9	10
4	ISG14CV006	Chaithra S	1	2	3	4	5	6	7	8	9	10
5	ISG14CV007	Chandru L	1	2	3	4	5	6	7	8	9	10
6	ISG14CV008	Deepak C Gowda	1	2	3	4	5	6	7	8	9	10
7	ISG14CV009	Dharanesh Gowda	1	2	3	4	5	6	7	8	9	10
8	ISG14CV010	Ganesh P	1	2	3	4	5	6	7	8	9	10
9	ISG14CV011	Gayathri R	1	2	3	4	5	6	7	8	9	10
10	ISG14CV012	Gowtham H N	1	2	3	4	5	6	7	8	9	10
11	ISG14CV013	Guruprasad V	1	2	3	4	5	6	7	8	9	10
12	ISG14CV017	Earthik Krishna M K	1	2	3	4	5	6	7	8	9	10
13	ISG14CV019	Kavitha B N	1	2	3	4	5	6	7	8	9	10
14	ISG14CV020	Kavya C J	1	2	3	4	5	6	7	8	9	10
15	ISG14CV022	Kruthi Changappa	1	2	3	4	5	6	7	8	9	10
16	ISG14CV023	Kushal S	1	2	3	4	5	6	7	8	9	10
17	ISG14CV024	Mamantheshwari K S	1	2	3	4	5	6	7	8	9	10
18	ISG14CV025	Manjunatha G	1	2	3	4	5	6	7	8	9	10
19	ISG14CV026	Manohar B G	1	2	3	4	5	6	7	8	9	10
20	ISG14CV028	Nandan Kumar T S	A	1	2	3	4	5	6	7	8	9
21	ISG14CV029	Naresh Yadav	A	1	2	3	4	5	6	7	8	9
22	ISG14CV030	Naveen M G	1	2	3	4	5	6	7	8	9	10
23	ISG14CV031	Nishanth V	1	2	4	3	4	5	6	7	8	9
24	ISG14CV032	Pooja M	1	2	3	4	5	6	7	8	9	10
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26	ISG14CV034	Rahul P Karagudari	1	2	3	4	5	6	7	8	9	10
27	ISG14CV035	Ramyashree R	1	2	3	4	5	6	7	8	9	10
28	ISG14CV036	Raushan Kumar Singh	A	1	2	3	4	5	6	7	8	9
29	ISG14CV037	Revathi Arkachari M	1	2	3	4	5	6	7	8	9	10

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32	ISG14CV040	S R Suryakanth	1	2	3	4	5	6	7	8	9	10
33	ISG14CV041	Sachin G R	1	2	3	4	5	6	7	8	9	10
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36	ISG14CV044	Saleem S	1	2	A	3	4	5	A	6	7	8
37	ISG14CV045	Sampath Kumar B R	A	1	2	3	4	5	6	7	8	9
38	ISG14CV047	Sindurapriya B	1	2	3	4	5	6	7	8	9	10
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45	ISG15CV402	Divya R	1	2	3	4	5	6	7	8	9	10
46	ISG15CV403	Eranagouda	1	2	A	3	4	5	6	7	8	9
47	ISG15CV404	Gajendra T R	1	2	3	4	5	6	7	8	9	10
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62	ISG15CV419	Venkatesh K	A	1	2	3	4	5	6	7	8	9
63	ISG15CV420	Yogesh B	1	2	3	4	5	6	A	7	8	9
64	ISG15CV002	Anil Kumar Reddy	1	2	3	4	5	6	7	8	9	10
65	ISG15CV003	Anjana Jagadeesh	1	2	3	4	5	6	7	8	A	9
66	ISG15CV004	Aslam Idrish	1	2	3	4	5	6	7	8	9	10
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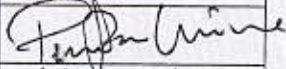
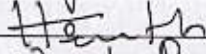
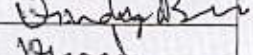


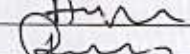
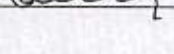

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72	ISG15CV014	Gangaraju T	1	2	3	4	5	6	7	8	9	10
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74	ISG15CV017	Gowtham M	1	2	3	4	5	6	7	8	9	10
75	ISG15CV018	Hamsa T N	1	2	3	4	5	6	7	8	9	10
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82	ISG15CV029	Manoj .M	1	2	3	4	5	6	7	8	9	10
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89	ISG15CV038	PremFernandes	1	2	3	4	5	6	7	8	9	10
90	ISG15CV040	RakshithGowda. V	1	2	3	4	5	6	7	8	9	10
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102	ISG15CV055	V U Aishwarya	1	2	3	4	5	6	7	8	9	10
103	ISG15CV056	Vignesh Rao S	1	2	3	4	5	6	7	8	9	10
104	ISG15CV057	Sachin Kumar A K	1	2	3	4	5	6	7	8	9	10
Signature of Resource Personnel												

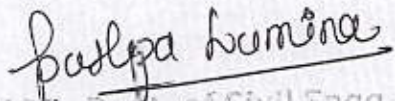
Coordinator
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S.C.E, Bangalore-560 057

Approved by Academic Committee Members & Guest Speaker

Sl No.	Faculty Name	Designation	Signature
1	Prof. Pushpa Lumina	HOD	
2	Prof. Hemalatha K	Assistant professor	
3	Prof. Vindhya Bhagwan	Assistant professor	
4	Prof. Vindhya R G	Assistant professor	
5	Prof. Krupa.T.L	Assistant professor	
6	Prof. Arpitha D J	Assistant professor	
7	Prof. Arjun C Haktoor	Assistant professor	
8	Dr Ramchandrappa	Guest Speaker	


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SAPTHAGIRI COLLEGE OF ENGINEERING

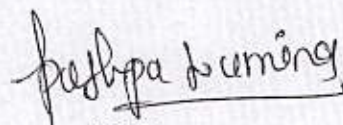
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DEPARTMENT OF CIVIL ENGINEERING

5 Days Certification Course on "Application of Total Station"

Test Time Table

Sl. No.	DATE	DAY	TIMINGS
1	30/01/2016	Saturday	3:00 PM TO 4:00 PM


HOD

HOD, Dept. of Civil Engg.
S.C.E, Bangalore-560 057


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Chikkasandra, Hesaraghatta Road
Bangalore-560 057

Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057
Department of Civil Engineering

5 Days Certificate Course on "Application of Total Station"

Scheme of Question paper-2015-2016

Duration: 1 hour

Maximum Marks: 20

Note: Examination is Multiple Choice Type and choose any one correct answer, each question carries 1 mark.

1. In a mortar, the binding material is

- a) Cement b) sand c) surkhi d) cinder

Answer: a

2. Which of the below is used up to a range of 100km?

- a) Infrared b) Microwave c) Visible range d) Ultra-violet

Answer: b

3. A total station is a combination of:

- a) EDM and Theodolite b) Compass and EDM
c) Electronic Theodolite and EDM d) EDM and electronic Compass

Answer: c

4. Which unit in total station processes data collected?

- a) Data collector b) EDM c) Storage system d) Microprocessor

Answer: d

5. The bubble in a total station is centralised using:

- a) Tripod b) Levelling screw c) Tangent screw d) Foot screw

Answer: a

6. Which is the latest development in a total station?

- a) High resolution b) High accuracy c) Robotic d) Automatic

Answer: c

7. Which of the below is not an application of total station?

- a) Crime scene investigation b) Furniture manufacture c) Mining d) Archaeology

Answer: b

11. Each point entered in a total station is stored in:
 a) Hard discs b) Electronic books c) Data storage d) Chip
12. To establish the position of a total station by method of resection, minimum number of known location is
 a) 1 b) 2 c) 3 d) 4
13. In digital land surveying and mapping, total station is used for
 a) Establishment of control points; b) collection of field data c) Reduction of field data
 d) Preparation of map.
14. To avoid large centring error with very short legs, observations are generally made
 a) To chain pins b) By using optical system for centering the Theodolite
 c) To a target fixed on Theodolite tripod on which Theodolite may be fitted easily d) All the above
14. Different grades are joined together by a
 a) Compound curve b) Transition curve c) Reverse curve d) Vertical curve
15. Which of the following methods of Theodolite traversing is suitable for locating the details which are far away from transit stations?
 a) Measuring angle and distance from one transit station
 b) Measuring angles to the point from at least two stations
 c) Measuring angle at one station and distance from other
 d) Measuring distance from two points on traverse line
16. The line of collimation method of reduction of levels, does not provide a check on
 a) Intermediate sights b) Fore sights c) Back sights d) Reduced levels
17. Which of the following methods of contouring is most suitable for a hilly terrain?
 a) Direct method b) Square method c) Cross-sections method d) Tachometric method
18. The chord of a curve less than peg interval, is known as
 a) Small chord b) Sub-chord c) Normal chord d) Short chord
19. The size of a plane table is
 a) 750 mm × 900 mm b) 600 mm × 750 mm c) 450 mm × 600 mm
 d) 300 mm × 450 mm
20. If the reduced bearing of a line AB is $N60^\circ W$ and length is 100 m, then the latitude and departure respectively of the line AB will be
 a) +50 m, +86.6 m b) +86.6 m, -50 m c) +50 m, -86.6 m d) +70.7 m, -50 m

Sapthagiri College of Engineering
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Department of Civil Engineering

5 Days Certificate Course on "Application of Total Station"

Question paper-2015-2016

Duration: 1 hour

Maximum Marks: 20

Note: Examination is Multiple Choice Type and choose any one correct answer, each question carries 1 mark.

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8. How many types of EDM are there based on the reflector type?

- a) 3 b) 5 c) 4 d) 2

Answer: a

9. Total station can be used in meteorology.

- a) True b) False

Answer: a

10. What is the range of medium range EDM?

- a) <5kms b) 15-25kms c) 5-25kms d) >25kms

Answer: c

11. Each point entered in a total station is stored in:

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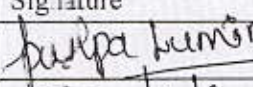
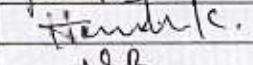
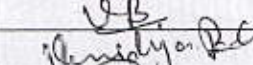

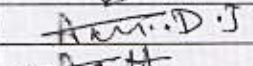

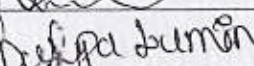
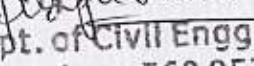
Answer: b

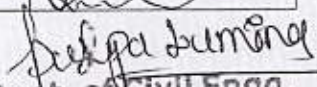
20. If the reduced bearing of a line AB is $N60^\circ W$ and length is 100 m, then the attitude and departure respectively of the line AB will be

- a) +50 m, +86.6 m b) +86.6 m, -50 m c) +50 m, -86.6 m d) +70.7 m, -50 m

Answer: b

Approved by Academic Committee Members & Guest Speaker

Sl No.	Faculty Name	Designation	Signature
1	Prof. Pushpa Lumina	HOD	
2	Prof. Hemalatha. K	Assistant professor	
3	Prof. Vindhya Bhagwan	Assistant professor	
4	Prof. Vindhya R G	Assistant professor	
5	Prof. Krupa.T.L	Assistant professor	
6	Prof. Arpitha D J	Assistant professor	
7	Prof. Arjun C Haktoor	Assistant professor	
8	D- Ramchandrapa	Guest Speaker	

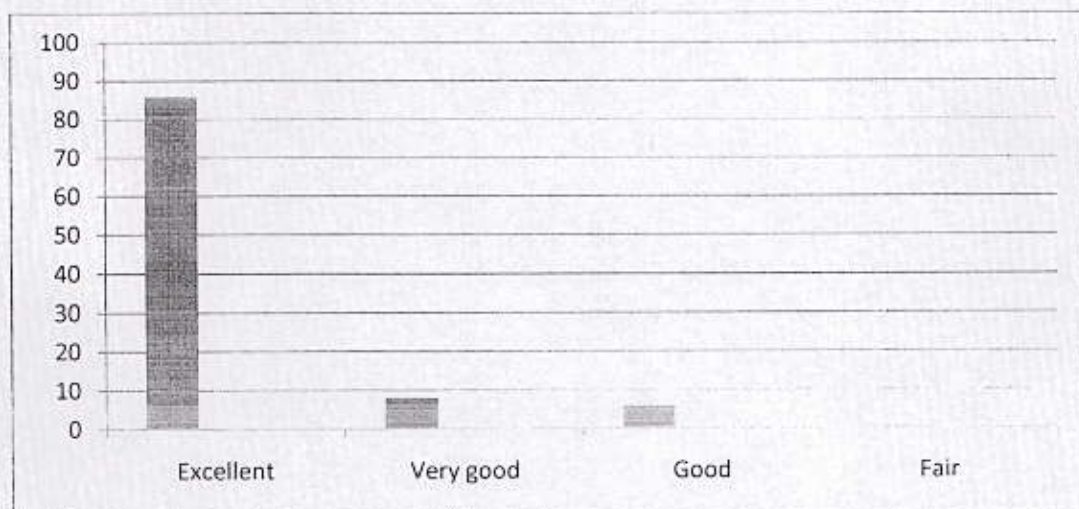

HOD, Dept. of Civil Engg.
S.C.E, Bangalore-560 057


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore-560 357

FEEDBACK ANALYSIS-2015-2016

Certification Programme: "Application of Total Station"

No. of students participated	Student Feedback			
	Excellent	Very Good	Good	Fair
104	86	08	06	00



Action Report:

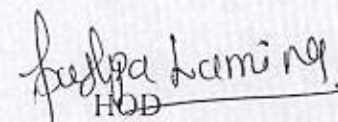
86 % of students were completely happy with the certification program and 08 % of students felt it was a good program and remaining 6% students were satisfied with the program.

Action Taken:

The Feedback report which was collected from the students were sent to the principal and he would take necessary actions based on the comments and conduct more programs for the benefit of students.


Program Coordinator


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Sapthagiri College of Engineering
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Bengaluru - 560 057


HOD
HOD, Dept. of Civil Engg.
S.C.E, Bangalore-560 057

5 Days Certificate Course on "Application of Total Station "

Participant Feedback--2015-2016

1. How was the overall organization of the Certification Course ?
a) Poor b) Satisfactory c) Good ☒ d) Excellent
2. How appropriate were the facilities provided ?
a) Poor b) Satisfactory c) Good ☒ d) Excellent
3. Opportunity to ask questions for clarification and interaction with presenters
a) Poor b) Satisfactory c) Good ☒ d) Excellent
4. Effectiveness of the Hands-on Sessions
a) Poor b) Satisfactory c) Good ☒ d) Excellent
5. Topic and contents of the Certification Course
a) Poor b) Satisfactory c) Good ☒ d) Excellent
6. How do you rate the Certification Course compared to other workshops that you have attended ?
a) Poor b) Satisfactory c) Good ☒ d) Excellent
7. Generally how was your overall experience during the Certification Course
a) Poor b) Satisfactory c) Good ☒ d) Excellent
8. Any Suggestions:

Need some more course. Good
and got some many information.

Student Name :

Krutli

Principal

Student Signature:

5 Days Certificate Course on "Application of Total Station"


Participant Feedback--2015-2016

1. How was the overall organization of the Certification Course ?
a) Poor b) Satisfactory c) Good ☒ d) Excellent
2. How appropriate were the facilities provided ?
a) Poor b) Satisfactory c) Good ☒ d) Excellent
3. Opportunity to ask questions for clarification and interaction with presenters
a) Poor b) Satisfactory c) Good ☒ d) Excellent
4. Effectiveness of the Hands-on Sessions
a) Poor b) Satisfactory ☒ c) Good d) Excellent
5. Topic and contents of the Certification Course
a) Poor b) Satisfactory c) Good ☒ d) Excellent
6. How do you rate the Certification Course compared to other workshops that you have attended ?
a) Poor b) Satisfactory c) Good ☒ d) Excellent
7. Generally how was your overall experience during the Certification Course
a) Poor b) Satisfactory c) Good ☒ d) Excellent
8. Any Suggestions:

Very nice course, due to shortage of time we didn't learn briefly (in depth) we need some course on total station.

Student Name : Chandee.

Principal

Student Signature: 

5 Days Certificate Course on "Application of Total Station"

Participant Feedback--2015-2016

1. How was the overall organization of the Certification Course ?
a) Poor b) Satisfactory c) Good d) Excellent
2. How appropriate were the facilities provided ?
a) Poor b) Satisfactory c) Good d) Excellent
3. Opportunity to ask questions for clarification and interaction with presenters
a) Poor b) Satisfactory c) Good d) Excellent
4. Effectiveness of the Hands-on Sessions
a) Poor b) Satisfactory c) Good d) Excellent
5. Topic and contents of the Certification Course
a) Poor b) Satisfactory c) Good d) Excellent
6. How do you rate the Certification Course compared to other workshops that you have attended ?
a) Poor b) Satisfactory c) Good d) Excellent
7. Generally how was your overall experience during the Certification Course
a) Poor b) Satisfactory c) Good d) Excellent

8. Any Suggestions:

Nice course program. learnt
many things in total station.

Student Name : Xogesh


Principal

Student Signature: Xogesh

5 Days Certificate Course on "Application of Total Station"

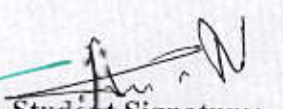
Participant Feedback--2015-2016

1. How was the overall organization of the Certification Course ?
a) Poor b) Satisfactory c) Good ☒ d) Excellent
2. How appropriate were the facilities provided ?
a) Poor b) Satisfactory c) Good ☒ d) Excellent
3. Opportunity to ask questions for clarification and interaction with presenters
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6. How do you rate the Certification Course compared to other workshops that you have attended ?
a) Poor b) Satisfactory c) Good ☒ d) Excellent
7. Generally how was your overall experience during the Certification Course
a) Poor b) Satisfactory c) Good ☒ d) Excellent
8. Any Suggestions:

Good course, need some more course like this any.

Student Name: Anusha .N

Principal

Student Signature: 

5 Days Certificate Course on "Application of Total Station "

Participant Feedback--2015-2016

1. How was the overall organization of the Certification Course ?
a) Poor b) Satisfactory c) Good d) ~~Excellent~~
2. How appropriate were the facilities provided ?
a) Poor b) Satisfactory c) Good d) ~~Excellent~~
3. Opportunity to ask questions for clarification and interaction with presenters
a) Poor b) Satisfactory c) Good d) ~~Excellent~~
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6. How do you rate the Certification Course compared to other workshops that you have attended ?
a) Poor b) Satisfactory c) Good d) ~~Excellent~~
7. Generally how was your overall experience during the Certification Course
a) Poor b) Satisfactory c) Good d) ~~Excellent~~
8. Any Suggestions:

I got some many Information need
more courses in further also.

Student Name :

Nithia

Student Signature:


Principal

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057.

Web: www.sapthagiri.edu.in Phone: 080-28372800/1/2

DEPARTMENT OF CIVIL ENGINEERING

REPORT ON 5 DAYS CERTIFICATE COURSE ON "APPLICATION OF TOTAL STATION"

A 5 days certificate course on "Application of Total Station" was conducted at Sir.M.V.Seminar Hall by department of civil engineering from 25th January to 30th January 2016 in Sapthagiri College of Engineering Bangalore. The Resource Person for the Program was Dr Ramchandrappa, Professor & HOD, Dept of Civil Engg, Sri Devi college of engineering, Tumkur. The program was attended by all the HOD's of Sapthagiri College of Engineering and the program also Civil Students and faculties.

Master of Ceremony(MOC) for the entire program was Mrs. Vindhya Bhagavan Assistant Professor, Department of Civil Engineering). After self introduction of MOC, Mr.Naveen Kumar S (Assistant Professor, Department of Civil Engineering) delivered the welcome address followed by the Pleasant Prayer song by 4th sem student Ms.Revathi. Further Prof. Pushpa Lumina(Head of the Department, Department of Civil Engineering) explained us about the importance of "Application of Total Station" to students and faculties. Further, the gathered lighted the lamp and sought the blessing of Dr.Sir.M.Visweswaraya. Following this, Dr.Aswantha kumara (Principal, Sapthagiri College of Engineering) explained us the necessity of having the practical knowledge in Civil Field. He also enlightened the necessity of surveying with his own personal experiences. Further Mr.Arjun H C (Assistant Professor, Department of Civil Engineering) briefly introduced the resource person of the program Dr Ramchandrappa. Later Dr Ramchandrappa also enlighten us about the need of Total Station and how is he helping the needy unemployed by creating the job opportunity by training about the Total Station. He also said that he is helping the Civil students of the final sem of different engineering colleges by providing them training as per the industry expectation and helping them to get placed easily.



Followed by his motivational explanation about the employment and the quick work done using Total Station, the program came almost to an end and the vote of thanks for the morning indoor session was given by Mrs. Krupa T L(Assistant Professor, Department of Civil Engineering). After the vote of thanks, the MOC Mrs. Vindhya Bhagavan thanked the gathering and asked the participants to stay there for further theoretical and practical sessions for the next 5 days. This was followed by the Tea Break for everyone who had gathered.

After the Tea Break, the participants in and out of Sapthagiri College of Engineering and our Beloved HOD, Prof. Pushpa Lumina assembled at Seminar Hall for the theoretical Session.

Dr Ramchandrappa(Resource Person) started explaining about the need of Total station and highlighted the seven basic steps in total station. This included the introduction to surveying and methodologies, Importance of accurate survey data to a civil engineering projects & Impacts of wrong surveys with live project experience examples, Brief on latest technologies and Instruments used as on today (Total Station, 5 DGPS, Li DAR, Drone UAV), Introduction to total station and seven basic steps in learning the total station operation. Further he circulated the 3 point Traverse sheet to all the participants assembled, which would be much helpful to note

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down the further readings in the field. After a lecture of about 45 minutes, all the participants were asked to gather in the field (Sapthagiri College of Engineering Campus) for the practical demonstration.

Groups were made to ensure each and every participant will get the chance to operate the total station instrument. (Two total station instruments were available in Sapthagiri college of engineering and one total station instrument bought from the resource person was utilised for all the 5 days). Prior to the lunch break, Dr Ramchandrappractically demonstrated the basic seven steps of total station.

After the Lunch Break, the participants started practising individually the seven basic steps and how to handle instrument of total station for being perfect at their end. This lasted till the evening and the session ended for the day1.

In the beginning session for day2, the students and faculties were again practising the seven steps of total station in order to ensure the perfectness. Dr Ramchandrappractically demonstrated the 3 point traversing procedure. He also explained us how to enter the readings obtained from 3 point traverse procedure in the sheet provided on day1. Followed by his practical demonstration, the participants repeated the closed traversing procedure by repeated practice till the lunch break. Post lunch break, participants were given the demo and practice 3 points traverse procedure. Till the end of the session for day2, the participants completely practised what was taught on day2.

In the beginning session for day3, the students and faculties were again practising the seven steps of total station in order to ensure the perfectness. Further Dr Ramchandrappractically demonstrated the 3 point traversing procedure. He also explained us how to enter the readings obtained from 3 point traverse procedure in the sheet provided on day2. Followed by his practical demonstration, the participants repeated the closed traversing procedure by repeated practice till the lunch break. Post lunch break, participants were given the demo and practice of 2nd step-3 points traverse sheet1, 3rd step-3 points traverse sheet2. Till the end of the session for day3, the participants completely practised what was taught on day3.

In the beginning session for day4, the students and faculties were again practising the seven steps of total station in order to ensure the perfectness. Further Dr Ramchandrappractically demonstrated the 3 point traversing procedure. He also explained us how to enter the readings obtained from 3 point traverse procedure in the sheet provided on day3. Followed by his practical demonstration, the participants repeated the closed traversing procedure by repeated practice till the lunch break. Post lunch break, participants were given the demo and practice of Topographical Survey, area calculation, marking layouts etc. Till the end of the session for day4, the participants completely practised what was taught on day4.

In the morning session of day5 the students and faculties practised what was taught on day4. Post lunch break after few more practise, all the participants were asked to again gather at Seminar Hall. Our beloved ECD, Prof. Pushpa Luminathanked the resource person Dr Ramchandrappractically for sharing his knowledge with us. Feedback was taken from all the participants about the pros and cons of the certificate course. Participants were given the chance to ask questions/doubts which they had about total station and the doubts were all answered. Further, certificates were given to all the participants and a token of memory was given to Resource Person Dr Ramchandrappractically. Due to the refreshments and accommodation arrangements made by our HOD and due to the impartial delivery of the practical knowledge by Dr Ramchandrappractically the certificate course received lot of positive feedback and it paved the way for participants to implement their ideas in projects in Total Station.



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VB
Coordinator

VB
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Rd.,
Bangalore-560 057

Pushpa Samina
HOD



Sapthagiri College of Engineering

Bangalore-560057

Certificate

This is to Certify that Mr./Ms. Yogesh. B
of Civil Engineering has participated
and successfully completed Five days Certification Course on
"Application of Total Station" from 25 January to 30 January 2016
organized by the Department of Civil Engineering, Sapthagiri College of
Engineering.

Padma Kumara
HOD, Dept of Civil

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[Signature]
Principal



Sapthagiri College of Engineering

Bangalore-560057

Certificate

This is to Certify that Mr./Ms. Naveen. M.G
of Civil Engineering has participated
and successfully completed Five days Certification Course on
"Application of Total Station" from 25 January to 30 January 2016
organized by the Department of Civil Engineering, Sapthagiri College of
Engineering.

Jyoti Kumar
HOD, Dept of Civil

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Bangalore-560057

[Signature]
Principal



Sapthagiri College of Engineering

Bangalore-560057

Certificate

This is to Certify that Mr./Ms. Pooja . T. R
of Civil Engineering has participated
and successfully completed Five days Certification Course on
"Application of Total Station" from 25 January to 30 January 2016
organized by the Department of Civil Engineering, Sapthagiri College of
Engineering.

Jyoti Kumina
HOD, Dept of Civil

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Bangalore- 560 057

[Signature]
Principal



Sapthagiri College of Engineering


Bangalore-560057

Certificate

This is to Certify that Mr./Ms. _____

of _____ has participated
and successfully completed Five days Certification Course on
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organized by the Department of Civil Engineering, Sapthagiri College of
Engineering.

HOD, Dept of Civil


Principal
Sapthagiri College of Engineering
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Principal