



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	2016-2017 (odd sem)
Branch	Civil
Name of the Faculty	Groupa. T. L
Designation	Asst Prof
Subject/Sub. code	Engineering Geology 15CV36

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: need module wise ^{Test} Books over all in one ^{Test} books.

Signature Groupa. T. L

Principal

Sapthagiri College of Engineering
 Chikkasandra, Hasaraghatta 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	2016-2017
Branch	CIVIL
Name of the Faculty	Pashpa Juma
Designation	AP
Subject/Sub. code	15 CIVIL3 Elements of Civil Engg

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: Coverage of Syllabus in mentioned hours is not possible.

Pashpa Juma
Signature

Principal

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Sapthagiri College of Engineering

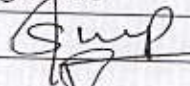
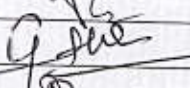


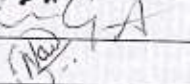


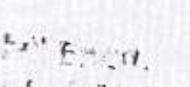
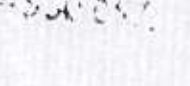
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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

Department of Civil Engineering

Date: 24/05/2017

Academic committee members meeting for analyzing curriculum syllabus of Academic Year 2016-17.

This is to inform that there will be a meeting of Academic committee members for analyzing curriculum syllabus of academic year 2017-18. The meeting is scheduled on 24/05/2017 at 12.30 pm in HOD's chamber.

Sl No.	Faculty Name	Designation	Signature
1	Prof. SUVARNA P	HOD	
2	Prof. PRAMOD.K.R	Assistant professor	
3	Prof. GEETHA.T.S	Assistant professor	
4	Prof. KRUPA.T.L	Assistant professor	
5	Prof. AKSHAY. J	Assistant professor	
6	Prof. RAGHAVENDRA R	Assistant professor	
7	Prof. DHIRUVARAJ.M.S	Assistant professor	
8	Prof. PALLAVI G.A	Assistant professor	
9	Prof. NAVYA. V	Assistant professor	

Principal

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Bangalore-560 057

HOD

HOD, Department of Civil Engineering
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore-560 057

Department of Civil Engineering

Date: 25/05/2017

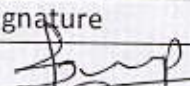
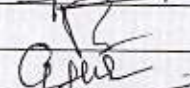


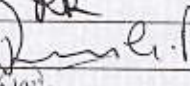
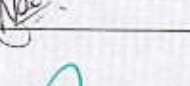


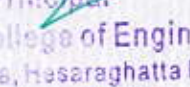
MINUTES OF MEETING

With reference to circular dated on 24/05/2017, the academic committee member assembled in HODs chamber for addressing the following agenda.

Agenda:

- Reviewing the department curriculum syllabus of Academic Year 2017-18.
- Reviewing the feedback analysis of various stake holders of the Academic Year 2016-2017
- Identifying the gaps
- Action to be taken for the identified gaps.

During the meeting the following members were present

Sl No.	Faculty Name	Designation	Signature
1	Prof. SUVARNA P	HOD	
2	Prof. PRAMOD.K.R	Assistant professor	
3	Prof. GEETHA.T.S	Assistant professor	
4	Prof. KRUPA.T.L	Assistant professor	
5	Prof. AKSHAY. J	Assistant professor	
6	Prof. RAGHAVENDRA R	Assistant professor	
7	Prof. DHARMAVARAJ.M.S	Assistant professor	
8	Prof. PALLAVI.G.A	Assistant professor	
9	Prof. NAVYA N	Assistant professor	

SL.NO	Course Title	Identified Gap
1	Basic Surveying	Lack of practical implementation


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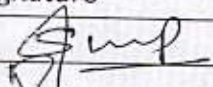
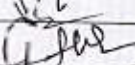

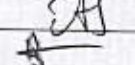
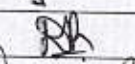
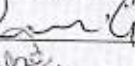
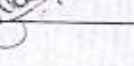

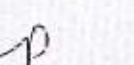
The following points were discussed in the meeting

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.

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.

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1	Prof. SUVARNA P	HOD	
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7	Prof. DHIRUVARAJ.M.S	Assistant professor	
8	Prof. PA.LAVI.G.A	Assistant professor	
9	Prof. NAVYA. N	Assistant professor	


HOD


Principal

Sapthagiri College of Engineering
Chikkasandra, Hosaraghatta Road
Bangalore- 560 057

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

Department of Civil Engineering

Date: 24/05/2017

To

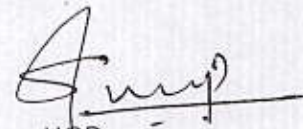
IQAC Coordinator
Sapthagiri College of Engineering
Bengaluru-560 057

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 2016-17. 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 2017-18. So, I request you to forward and get the approval from the governing council for the same.

Thanking You,



HOD

*Forwarded for the
GC approval & ratification*



Principal
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Department of Civil Engineering

Date: 24-05-2017

To,

The IQAC Coordinator
Sapthagiri College of Engineering
Bangalore - 560057.

Respected Sir,

Subject: Budget Proposal for conduction of 2 certification program on "Advance Application of total station" and "Application of total station".

The Budget Proposal for conduction a 2 certification program on "Advance Application of total station" and "Application of total station" from 24-07-2017 to 28-07-2017 and 22-01-2018 to 27-01-2018 respectively are 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	4000
3	Others		1000
Total			5200

*Forwarded for the
HC approval & ratification*

[Signature]

[Signature]
HOD

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

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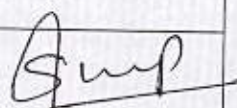

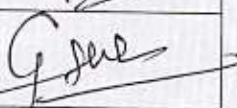



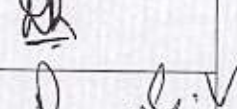

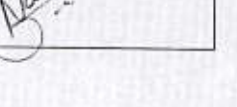
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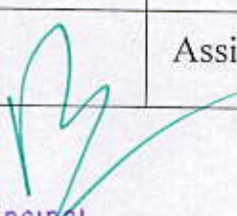
Department of Civil Engineering

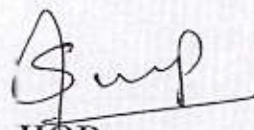
19-07-2017

CIRCULAR

This is to inform that the following Curriculum Board members are requested to attend the meeting on 20/07/2017 at 10.30AM in the HODs chamber to decide the Odd semester syllabus and the lesson plan for the certification program on "Advance Application of total station".

Sl No.	Faculty Name	Designation	Signature
1	Prof. SUVARNA P	HOD	
2	Prof. PRAMOD.K.R	Assistant professor	
3	Prof. GEETHA.T.S	Assistant professor	
4	Prof. KRUPA.T.L	Assistant professor	
5	Prof. AKSHAY. J	Assistant professor	
6	Prof. RAGHAVENDRA R	Assistant professor	
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HOD
HOD, Dept. of Civil Engg.
S.C.E, Bangalore-560 057.

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

Phone: 080-28372800/1/2

www.sapthagiri.edu.in

Fax: 080-28372797

Department of Civil Engineering

Date: 18-07-2017

To,

Dr. Ramaraju H.K.
Head of the Department
DayanandSagar College of Engineering
Bangalore

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 in Odd semester to conduct a certification program titled "Advance Application of total station" for 7th and 5th semester students from 24-07-2017 to 28-07-2017. In this connection, we are privileged to invite you as a guest speaker on the above mentioned topic.

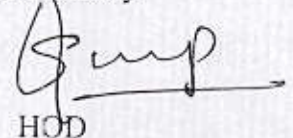
Thanking you for your kind acceptance to our request on phone. We request you to attend the meeting to discuss about the conduction of certification course on 20/07/2017 at 10:00AM in the HOD Chamber. We look forward to welcome you at SCE.

Thanking you

Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore- 560 057

Yours faithfully



HOD

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

Minutes of Meeting

A meeting was conducted on 20-07-2017 in Civil HoD's Chamber to discuss and approve the following about the 5 days Certification Course for 7th and 5th semester Civil Students in ODD semester.

Course Title : "Advance Application of total station".

- **Resource Personnel :** Dr. Ramaraju H.K, Head of the Department, DayanandSagar College of Engineering, Bangalore
- **Course Duration & Date:** 5 Days from 24-07-2017 to 28-07-2017
- **Course Content :**

Dates	SESSION 1 (9:00AM TO 12:00PM)	SESSION 2 Hands on Session (1:30PM TO 4:30PM)	No. of Hours
24/07/2017	<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
25/07/2017	<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 	6
26/07/2017	<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
27/07/2017	<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
28/07/2017	<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 Conduct on 	6

Principal

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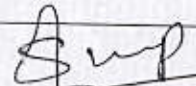

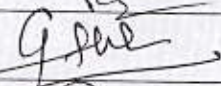




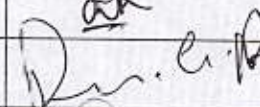


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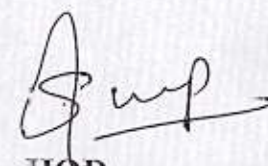
Fax: 080-28372797

Department of Civil Engineering

The following Curriculum board members were present

Sl No.	Faculty Name	Designation	Signature
1	Prof. SUVARNA P	HOD	
2	Prof. PRAMOD K.R	Assistant professor	
3	Prof. GEETHA T.S	Assistant professor	
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5	Prof. AKSHAY J	Assistant professor	
6	Prof. RAGHAVENDRA R	Assistant professor	
7	Prof. DHIRUVARAJ M.S	Assistant professor	
8	Prof. PALLAVI G.A	Assistant professor	
9	Prof. NAVYA N	Assistant professor	
10	Dr. RAMARAJU H.K	Guest Speaker	


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Department of Civil Engineering

NOTICE

As a part of programming skill development Department of Civil Engineering is conducting Five days Certification Course on "Advance Application of total station" from 24-07-2017 to 28-07-2017.

All the 7th and 5th sem 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

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore- 560 057

Department of Civil Engineering

Academic year 2017-2018-odd Semester

CERTIFICATION COURSE: "Advance Application of total station"

Sl. No	USN	Name of the student	Sl.No	USN	Name of the student
1	ISG14CV001	Abdul Wahab	42	ISG14CV055	Yusuf P J
2	ISG14CV002	AdityaShuram	43	ISG15CV400	Dharma U N
3	ISG14CV004	Bharath B	44	ISG15CV401	Dilip Kumar B C
4	ISG14CV006	Chaithra S	45	ISG15CV402	Divya R
5	ISG14CV007	Chandru L	46	ISG15CV403	Eranagouda
6	ISG14CV008	Deepak C Gowda	47	ISG15CV404	Gajendra T R
7	ISG14CV009	DharaneshGowda	48	ISG15CV405	Gopal G
8	ISG14CV010	Ganesh P	49	ISG15CV406	Keshav Murthy
9	ISG14CV011	Gayathri R	50	ISG15CV407	Mahesh Kumar B
10	ISG14CV012	Gowtham H N	51	ISG15CV408	Mohan L K
11	ISG14CV013	Guruprasad V	52	ISG15CV409	NaniBabu
12	ISG14CV017	Karthik Krishna M K	53	ISG15CV410	NhmVeerayya
13	ISG14CV019	Kavitha B N	54	ISG15CV411	Niranjan C S
14	ISG14CV020	Kavya C J	55	ISG15CV412	Nithin Kumar C T
15	ISG14CV022	KruthiChangappa	56	ISG15CV413	Pawan R
16	ISG14CV023	Kushal S	57	ISG15CV414	Praveen Kumar
17	ISG14CV024	Mamanteshwari K S	58	ISG15CV415	Sathish G P
18	ISG14CV025	Manjunatha G	59	ISG15CV416	Shashank
19	ISG14CV026	Manohar B G	60	ISG15CV417	Shashi Kumar D R
20	ISG14CV028	Nandan Kumar T S	61	ISG15CV418	Tejaswini B N
21	ISG14CV029	Naresh Yadav	62	ISG15CV419	Venkatesh K
22	ISG14CV030	Naveen M G	63	ISG15CV420	Yogesh B
23	ISG14CV031	Nishanth V	64	ISG15CV002	Anil Kumar Reddy
24	ISG14CV032	Pooja M	65	ISG15CV003	AnjanaJagadeesh
25	ISG14CV033	Pooja T R	66	ISG15CV004	AslamIdrish
26	ISG14CV034	Rahul P Karagudari	67	ISG15CV005	B E Pavan Kumar
27	ISG14CV035	Ramyashree R	68	ISG15CV006	Benaka Kumar S
28	ISG14CV036	Raushan Kumar Singh	69	ISG15CV007	Bharath .K
29	ISG14CV037	RevatiArkachari M	70	ISG15CV010	Chethan S Patil
30	ISG14CV038	Rohan Raman	71	ISG15CV012	G SaiPrasanna Kumar
31	ISG14CV039	Roopa U	72	ISG15CV014	Gangaraju T
32	ISG14CV040	S R Suryakanth	73	ISG15CV015	Gazi.MohammedMansoor
33	ISG14CV041	Sachin G R	74	ISG15CV017	Gowtham M
34	ISG14CV042	Sachin S M	75	ISG15CV018	Hamsa T N
35	ISG14CV043	Sahas K R	76	ISG15CV019	Harsha N
36	ISG14CV044	Saleem S	77	ISG15CV020	Jayalakshmi B L
37	ISG14CV045	Sampath Kumar B R	78	ISG15CV021	Kanoj S V
38	ISG14CV047	Sindurapriya B	79	ISG15CV022	KarthikKuttappa B.J
39	ISG14CV049	Suhas L N	80	ISG15CV024	KonsamLoyangamba Singh
40	ISG14CV051	Sunil Singh	81	ISG15CV026	Makbool
41	ISG14CV052	Thippeshappa V M	82	ISG15CV029	Manjima

83	1SG15CV031	MohmedRafeeq
84	1SG15CV032	Mohammed Riaz J
85	1SG15CV033	Mohan Raj.A
86	1SG15CV035	Namratha A.V
87	1SG15CV036	Poorva M.B
88	1SG15CV037	Prakash S H
89	1SG15CV038	PremFernandes
90	1SG15CV040	RakshithGowda.V
91	1SG15CV041	Ramya.K.V
92	1SG15CV042	Sachin Reddy
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94	1SG15CV046	Sharath V
95	1SG15CV048	ShettyLavaraj Rama
96	1SG15CV049	Shivaprasad H M
97	1SG15CV050	Shreejith R
98	1SG15CV051	Shylesh S D
99	1SG15CV052	Sushma .L
100	1SG15CV053	Sushmitha A
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105	1SG14CV005	Bhavani B G
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108	1SG16CV400	Abhishek D N
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Coordinators
Prof. GEETHA T S
Prof. KRUPA T I




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

Sapthagiri College of Engineering

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

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

Phone: 080-28372800/1/2

www.sapthagiri.edu.in

Fax: 080-28372797

Department of Civil Engineering

Academic year 2017-2018 - ODD SEMESTER
Advance

CERTIFICATION COURSE: "Application of total station"

Sl. No	USN	Name of the student	24/07/2017		25/07/2017		26/07/2017		27/07/2017		28/07/2017	
			M/S	A/S	M/S	A/S	M/S	A/S	M/S	A/S	M/S	A/S
1	ISG14CV001	Abdul Wahab	1	2	3	4	5	6	A	7	8	9
2	ISG14CV002	Aditya Shuram	1	2	3	4	5	6	7	8	9	10
3	ISG14CV004	Bhasath B	1	2	3	4	5	6	7	8	9	10
4	ISG14CV006	Chaitra S	1	A	2	A	3	4	5	6	7	8
5	ISG14CV007	Charan L	1	2	3	4	5	6	7	8	9	10
6	ISG14CV008	Deepak C Gowda	A	1	2	3	A	4	5	6	7	A
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	A	8	9
9	ISG14CV011	Gayathri R	1	2	3	4	5	A	6	7	8	9
10	ISG14CV012	Gowtham HN	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	Kartik Krishna M K	1	2	A	3	4	5	6	7	8	9
13	ISG14CV019	Kavita B N	A	1	2	3	4	5	6	A	7	8
14	ISG14CV020	Kavya C J	1	2	3	4	5	6	7	8	9	10
15	ISG14CV022	Kruthi Chagappa	1	2	3	A	4	5	6	7	8	9
16	ISG14CV023	Kushal S	1	2	3	4	5	6	7	8	9	10
17	ISG14CV024	Mamanteshwari K S	1	2	3	4	5	6	7	8	9	A
18	ISG14CV025	Manjunatha G	1	2	3	4	5	6	7	8	9	10
19	ISG14CV026	Manohar B C	1	2	3	4	5	6	7	8	9	10
20	ISG14CV028	Nandan Kumar T S	1	A	2	3	4	5	A	6	7	8
21	ISG14CV029	Naresh Yacav	1	2	3	4	5	6	7	8	9	10
22	ISG14CV030	Naveen M G	1	2	3	4	5	6	7	8	9	10
23	ISG14CV031	Nishanth V	1	2	3	4	A	5	6	7	8	9
24	ISG14CV032	Pooja M	1	2	3	4	5	6	7	A	8	9
25	ISG14CV033	Pooja R	1	2	3	4	5	6	7	8	9	10
26	ISG14CV034	Rahul P Kasagudari	1	2	3	A	4	5	6	7	A	8

27	ISG14CV035	Ramyashree R	A	1	2	3	4	5	6	7	8	9
28	ISG14CV036	Raushan Kumar Singh	1	2	3	4	5	6	7	8	9	10
29	ISG14CV037	Revati Arkachari M	1	2	3	A	4	5	6	7	8	9
30	ISG14CV038	Rohan Raman	1	2	3	4	5	6	7	A	8	9
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36	ISG14CV044	Saleem S	1	2	3	4	A	5	6	7	8	9
37	ISG14CV045	Sampath Kumar B R	1	2	3	4	5	6	7	8	9	A
38	ISG14CV047	Sindurapriya B	1	2	3	4	5	6	7	8	9	10
39	ISG14CV049	Suhas L N	1	2	3	4	5	6	7	8	9	10
40	ISG14CV051	Sunil Singh	A	1	2	3	4	5	6	7	8	9
41	ISG14CV052	Thippeshappa V M	1	2	3	4	5	6	7	8	9	10
42	ISG14CV055	Yusuf P J	1	2	3	4	5	6	7	8	9	10
43	ISG15CV400	Dharma U N	1	2	3	4	5	6	7	8	9	10
44	ISG15CV401	Dilip Kumar B C	1	2	3	4	5	6	7	8	9	10
45	ISG15CV402	Divya R	1	2	3	4	5	6	A	7	8	9
46	ISG15CV403	Eranagouda	1	2	3	4	5	6	7	8	9	10
47	ISG15CV404	Gajendra T R	1	2	3	4	5	6	7	8	A	9
48	ISG15CV405	Gopal G	1	2	3	4	5	6	7	8	9	10
49	ISG15CV406	Keshav Murthy	1	2	3	4	5	6	7	8	9	10
50	ISG15CV407	Mahesh Kumar B	1	2	3	4	5	6	7	8	9	10
51	ISG15CV408	Mohan L K	1	2	3	4	5	6	7	8	9	10
52	ISG15CV409	Nani Babu	1	2	3	4	5	6	7	8	9	10
53	ISG15CV410	Nhm Veerayya	1	2	3	A	A	5	6	7	8	9
54	ISG15CV411	Niranjan C S	1	2	3	4	5	6	7	8	9	A
55	ISG15CV412	Nithin Kumar C T	1	2	3	4	5	6	7	8	9	10
56	ISG15CV413	Pawan R	1	2	3	4	5	6	A	7	8	9
57	ISG15CV414	Praveen Kumar	1	2	3	4	5	6	7	8	9	10
58	ISG15CV415	Sathish G P	1	2	3	4	5	6	7	8	9	10
59	ISG15CV416	Shashank	1	2	3	4	5	6	7	8	9	10
60	ISG15CV417	Shashi Kumar D R	A	1	2	3	4	A	5	6	7	8
61	ISG15CV418	Tejaswini B N	1	2	3	4	5	6	7	8	9	A
62	ISG15CV419	Venkatesh K	1	2	3	4	5	6	7	8	9	10
63	ISG15CV420	Yogesh B	1	2	3	4	A	5	6	7	8	9
64	ISG15CV002	Anil Kumar Reddy	1	2	3	4	5	6	7	8	9	10

65	ISG15CV003	AnjanaJagadeesh	1	2	3	4	5	6	7	8	9	10
66	ISG15CV004	AslamIdrish	1	2	3	4	5	A	6	7	8	9
67	ISG15CV005	B E Pavan Kumar	1	2	3	4	5	6	7	8	9	10
68	ISG15CV006	Benaka Kumar S	1	2	3	4	5	6	7	8	9	10
69	ISG15CV007	Bharath .K	1	2	3	4	5	6	7	8	9	10
70	ISG15CV010	Chethan S Patil	1	2	3	4	5	6	7	8	9	10
71	ISG15CV012	G SaiPrasanna Kumar	1	2	3	4	5	6	7	8	9	10
72	ISG15CV014	Gangaraju T	1	2	3	A	4	5	6	7	8	9
73	ISG15CV015	Gazi.MohammedMansoor	1	2	3	4	5	6	7	8	9	10
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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97	ISG15CV050	Shreejith R	1	2	A	3	4	5	A	6	7	8
98	ISG15CV051	Shylesh S D	1	2	3	4	5	6	7	8	9	10
99	ISG15CV052	Sushma .L	1	2	3	4	5	6	7	8	9	10
100	ISG15CV053	Sushmitha A	1	2	3	4	5	A	6	7	8	9
101	ISG15CV054	Swathi.K	1	2	3	4	5	Principal	6	7	8	9
102	ISG15CV055	V U Aishwarya	1	A	2	3	4	5	6	7	8	9

103	ISG15CV056	Vignesh Rao S	1	2	3	4	5	6	A	7	8	9
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108	ISG16CV400	Athishek D N	A	1	2	3	4	5	6	7	8	9
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113	ISG16CV405	Mamatha M	1	2	3	4	A	5	6	7	8	9
114	ISG16CV406	Meghana A H	1	2	3	4	5	6	7	8	9	10
115	ISG16CV408	Pallavi S D	1	2	3	4	5	6	7	8	9	10
116	ISG16CV409	Rakshith	1	2	A	3	4	5	6	A	7	8
117	ISG16CV410	Ramesh K	1	2	3	4	5	6	7	8	9	10
118	ISG16CV411	Ravi Kumar K S	1	2	3	4	5	6	7	8	9	10
119	ISG16CV413	Sushmitha D N	1	2	3	4	5	6	7	8	9	10
120	ISG16CV414	VirayaDanduParakare	1	2	3	4	5	6	7	8	9	10
121	ISG16CV415	Yamini	1	2	3	A	4	5	6	A	7	8
Signature of Resource Personnel												

Coordinators

Prof. GEETHA T S

Prof. KRUPA T L


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

DEPARTMENT OF CIVIL ENGINEERING

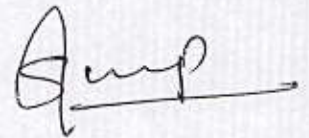
5 Days Certification Course on "Advance Application of total station"

Test Time Table- odd semester

Sl. No.	DATE	DAY	TIMINGS
1	28/7/2017	Friday	3:00 PM TO 4:00 PM



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



HOD

HOD, DEPT. OF CIVIL ENGINEERING
S.C.E, Bengaluru- 560 057

DEPARTMENT OF CIVIL ENGINEERING

5 Days Certificate Course on "Advance Application of total station"

Question paper-2017-2018-odd semster

Duration: 1 hour

Maximum Marks: 20

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

1. Determining quantities or afford sufficient data for the designing of works such as roads and reservoirs is called _____

- a) Topographic surveying b) Engineering surveying c) City surveying d) Cadastral surveying

2. What consists of a horizontal and vertical location of certain points by linear and angular measurements and is made to determine the natural features of a country such as rivers, streams?

- a) Topographic surveying b) Engineering surveying c) City surveying d) Cadastral surveying

3. Which of the following is classification based on the nature of the field survey?

- a) Topographic surveying b) Mine surveying c) Military surveying d) Chain surveying

4. Which unit in total station processes data collected?

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

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

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

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

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

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

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

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

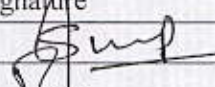
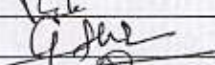

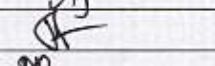
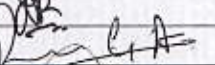


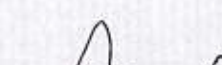

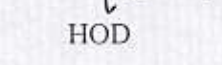
- a) 3 b) 5 c) 4 d) 2

9. Total station can be used in meteorology.

- a) True b) False

10. What is the range of medium range EDM?
 a) <5kms b) 15-25kms c) 5-25kms d) >25kms
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

Approved by Academic Committee Members & Guest Speaker

Sl No.	Faculty Name	Designation	Signature
1	Prof. SUVARNA P	HOD	
2	Prof. PRAMOD.K.R	Assistant professor	
3	Prof. GEETHA.T.S	Assistant professor	
4	Prof. KRUPA.T.L	Assistant professor	
5	Prof. AKSHAY. J	Assistant professor	
6	Prof. RAGHAVENDRA R	Assistant professor	
7	Prof. DHIRUVARAJ.M.S	Assistant professor	
8	Prof. PALLAVI.G.A	Assistant professor	
9	Prof. NAVYA. N	Assistant professor	
10	Dr. RAMARAJU H.K	Guest Speaker	


HOD


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

K. L. D. College of Engineering
S. J. E. Bangalore-560 057

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

5 Days Certificate Course on "Advance Application of total station"

Scheme of Question paper-2017-2018-odd semester

Duration: 1 hour

Maximum Marks: 20

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

1. Determining quantities or afford sufficient data for the designing of works such as roads and reservoirs is called _____

- a) Topographic surveying b) Engineering surveying c) City surveying d) Cadastral surveying

Answer: b

2. What consists of a horizontal and vertical location of certain points by linear and angular measurements and is made to determine the natural features of a country such as rivers, streams?

- a) Topographic surveying b) Engineering surveying c) City surveying d) Cadastral surveying

Answer: a

3. Which of the following is classification based on the nature of the field survey?

- a) Topographic surveying b) Mine surveying c) Military surveying d) Chain surveying

Answer: a

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

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:

- a) Hard discs b) Electronic books c) Data storage d) Chip

Answer: b

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

Answer: b

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.

Answer: b

14. To avoid large centering 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

Answer: c

15. Different grades are joined together by a

- a) Compound curve (b) Transition curve (c) Reverse curve (d) Vertical curve

Answer: d

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

Answer: b

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

Answer: a

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

Answer: a

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

Answer: b

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

Answer: a

20. If the reduced bearing of a line AB is N60°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

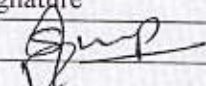

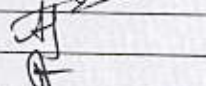
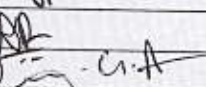


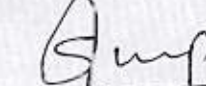
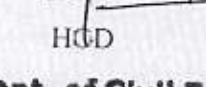
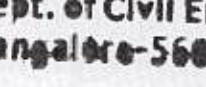

Answer: c



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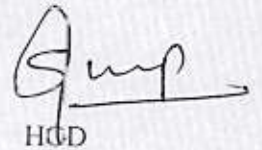
Approved by Academic Committee Members & Guest Speaker

Sl No.	Faculty Name	Designation	Signature
1	Prof. SUVARNA P	HOD	
2	Prof. PRAMOD.K.R	Assistant professor	
3	Prof. GEETHA.T.S	Assistant professor	
4	Prof. KRUPA.T.L	Assistant professor	
5	Prof. AKSHAY. J	Assistant professor	
6	Prof. RAGHAVENDRA R	Assistant professor	
7	Prof. DHIRUVARAJ.M.S	Assistant professor	
8	Prof. PALLAVI.G.A	Assistant professor	
9	Prof. NAVYA. N	Assistant professor	
10	Dr. RAMARAJU H.K	Guest Speaker	



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HOD

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



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

5 Days Certificate Course on "Advance Application of total station"

Participant Feedback-2017-2018-odd semester

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:

All good, need more courses like this.

Student Name :

Hamsa . T . N

Student Signature:

Principal

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Bengaluru- 560 057



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8. Any Suggestions:

over all good.

Student Name :

Aslam Idarish

Student Signature:

[Signature]

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7. Generally how was your overall experience during the Certification Course
a) Poor b) Satisfactory c) Good ☒ d) Excellent
8. Any Suggestions:

Need more certification course and
I got so many information.

Student Name : Poorva. M.B.

Student Signature: 

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Department of Civil Engineering

5 Days Certificate Course on "Advance Application of total station"

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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 still trying like this only related
to total station.

Student Name :

Wamratha.A.V

Student Signature:

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Department of Civil Engineering

5 Days Certificate Course on "Advance Application of total station"

Participant Feedback-2017-2018-odd semester

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7. Generally how was your overall experience during the Certification Course
a) Poor b) Satisfactory c) Good ☒ d) Excellent
8. Any Suggestions:

Total station one subject only need its very
important to civil students.

Student Name : Shruthi V

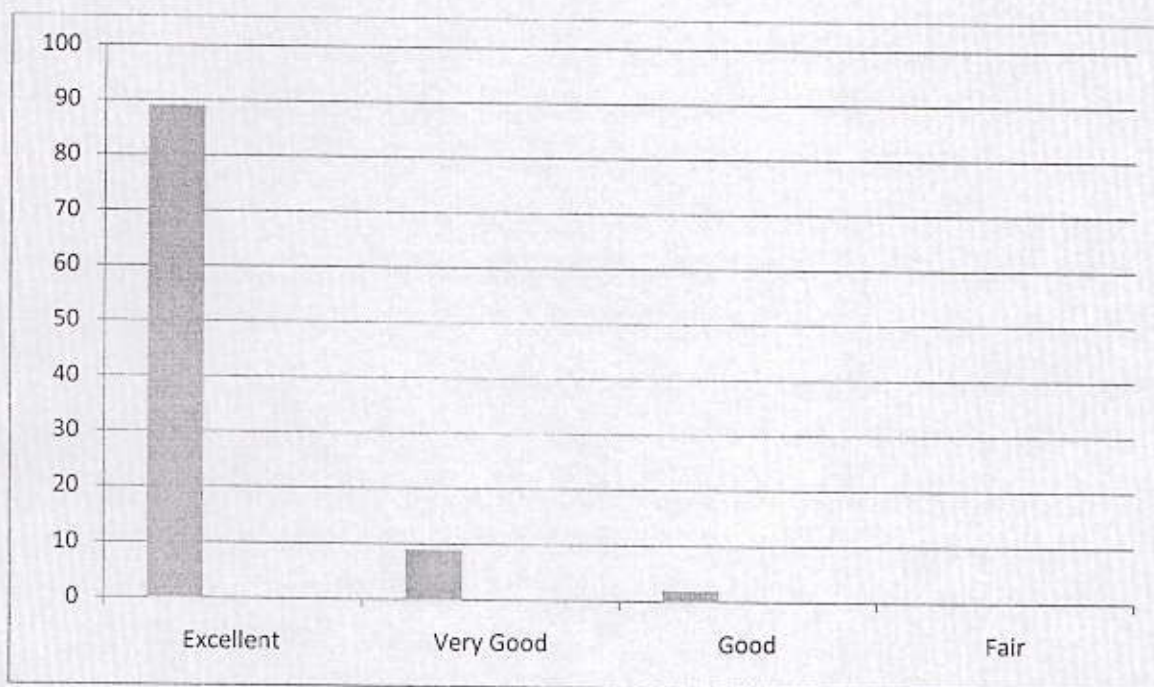

Principal

Student Signature:

FEEDBACK ANALYSIS-2017-2018-Odd semester

Certification Programme: "Advance Application of total station"

No. of students participated	Student Feedback			
	Excellent	Very Good	Good	Fair
121	89	09	02	00



Action Report:

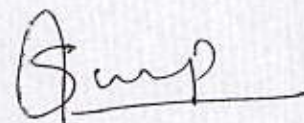
89 % of students were completely happy with the certification program and 09 % of students felt it was a good program and remaining 2% students were satisfied with the program.

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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HOD

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

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

DEPARTMENT OF CIVIL ENGINEERING

REPORT ON 5 DAYS CERTIFICATE COURSE ON "Advance Application of total station"

A 5 days certificate course on "Advance Application of Total Station" was conducted at Sir.M.V.Seminar Hall by department of civil engineering from 24-07-2017 to 28-07-2017 in Sapthagiri College of Engineering Bangalore. The Resource Person for the Program was Dr.Ramaraju H.K (Head of the Department Dayanand Sagar College of Engineering). The program was attended by all the HOD's of Sapthagiri College of Engineering and the program also Civil 7th and 5th semester Students and faculties.

Master of Ceremony(MOC) for the entire program was Mrs. Navya N (Assistant Professor, Department of Civil Engineering). After self introduction of MOC, Mr.pramod K R (Assistant Professor, Department of Civil Engineering) delivered the welcome address followed by the Pleasant Prayer song by 2nd sem student Ms.Nikhila. Further Prof. Suvama P (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.K.L.Shivabasappa (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.Akshay J (Assistant Professor, Department of Civil Engineering) briefly introduced the resource person of the program Dr.Ramaraju H.K. Later Dr.Ramaraju H.K. 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. Pallavi G.A (Assistant Professor, Department of Civil Engineering). After the vote of thanks, the MOC Mrs.Navya N 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. Suvama P assembeled at Seminar Hall for the theoretical Session.

Dr.Ramaraju H.K (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

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circulated the 3 point Traverse sheet to all the participants assembled, which would be much helpful to note 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, Mr. Hemanth Reddy practically demonstrated the basic seven steps of total station.

Post 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. Further Dr. Ramaraju H.K practically 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.

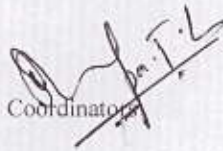
In the beginning session for day3, the students and faculties were again practising the seven steps of total station in order to ensure the perfectness. Further Dr. Ramaraju H.K practically demonstrated the 3 point traversing procedure. He also explained us how to enter the readings obtained from 3 point 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. Ramaraju H.K practically 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.


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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 HOD, Prof. Suvarna P thanked the resource person Dr.Ramaraju H.K 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.Ramaraju H.K. Due to the refreshments and accommodation arrangements made by our HOD and due to the impartial delivery of the practical knowledge by Dr.Ramaraju H.K the certificate course received lot of positive feedback and it paved the way for participants to implement their ideas in projects in Total Station.




Coordinator


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HOD



Sapthagiri College of Engineering

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Certificate

This is to Certify that Mr./Ms. Sushma L
of Civil Engineering has participated
and successfully completed Five days Certification Course on
"Advance Application of Total Station" from 24 July 2017 to 28 July 2017
organized by the Department of Civil Engineering, Sapthagiri College of
Engineering.

HOD, Dept of Civil

Principal

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Principal



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Certificate

This is to Certify that [✓]Mr./Ms. Benaka Kumar.S
of Civil Engineering has participated
and successfully completed Five days Certification Course on
"Advance Application of Total Station" from 24 July 2017 to 28 July 2017
organized by the Department of Civil Engineering, Sapthagiri College of
Engineering

HOD, Dept of Civil

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Certificate

This is to Certify that Mr./Ms. Kushal. S
of Civil Engineering has participated
and successfully completed Five days Certification Course on
"Advance Application of Total Station" from 24 July 2017 to 28 July 2017
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HOD, Dept of Civil

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Principal



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Certificate

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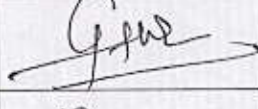

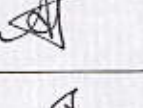
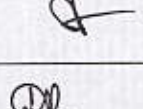
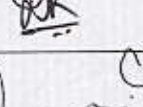
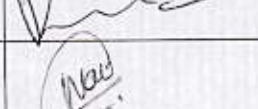

Fax: 080-28372797

Department of Civil Engineering

19-01-2018

CIRCULAR

This is to inform that the following Curriculum Board members are requested to attend the meeting on 19/01/2018 at 10.30AM in the HODs chamber to decide the Even semester syllabus and the lesson plan for the certification program on "Application of total station".

Sl No.	Faculty Name	Designation	Signature
1	Prof. SUVARNA P	HOD	
2	Prof. PRAMOD.K.R	Assistant professor	
3	Prof. GEETHA.T.S	Assistant professor	
4	Prof. KRUPA.T.L	Assistant professor	
5	Prof. AKSHAY. J	Assistant professor	
6	Prof. RAGHAVENDRA R	Assistant professor	
7	Prof. DHURUVARAJ.M.S	Assistant professor	
8	Prof. PALLAVI.G.A	Assistant professor	
9	Prof. NAVYA. N	Assistant professor	

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HOD

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

Date: 18-01-2018

To,

Dr. Ramaraju H.K.
Head of the Department
Dayanand Sagar College of Engineering
Bangalore

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 in Even semester to conduct a certification program titled "Application of total station" for 4th and 2nd semester civil students from 22-01-2018 to 27-01-2018. In this connection, we are privileged to invite you as a guest speaker on the above mentioned topic.

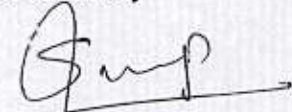
Thanking you for your kind acceptance to our request on phone. We request you to attend the meeting to discuss about the conduction of certification course on 19/01/2018 at 10:00AM in the HOD Chamber. We look forward to welcome you at SCE.

Thanking you



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Bangalore-560057

Yours faithfully



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

Minutes of Meeting

A meeting was conducted on 19-01-2018 in Civil HoD's Chamber to discuss and approve the following about the 5 days Certification Course for 4th and 2nd semester Civil Students in Even semester.

- **Course Title :** "Application of total station"

Resource Personnel: Dr. Ramaraju H.K, Head of the Department, Dayanand Sagar College of Engineering, Bangalore

- **Course Duration & Date:** 5 Days from 22 January 2018 to 27 January 2018

- **Course Content :**

Dates	SESSION 1 (9:00AM TO 12:00PM)	SESSION 2 Hands on Session (1:30PM TO 4:30PM)	No. of Hours
22/1/2018	<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
23/1/2018	<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 	6
24/1/2018	<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
25/1/2018	<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
26/1/2018	<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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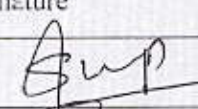

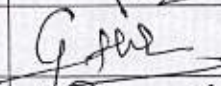




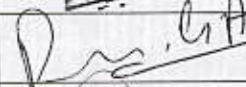


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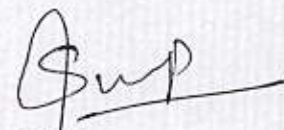
Fax: 080-28372797

Department of Civil Engineering

The following Curriculum board members were present

Sl No.	Faculty Name	Designation	Signature
1	Prof. SUVARNA P	HOD	
2	Prof. PRAMOD K.R	Assistant professor	
3	Prof. GEETHA T.S	Assistant professor	
4	Prof. KRUPA T.L	Assistant professor	
5	Prof. AKSHAY J	Assistant professor	
6	Prof. RAGHAVENDRA R	Assistant professor	
7	Prof. DHIRUVARAJ M.S	Assistant professor	
8	Prof. PALLAVI G.A	Assistant professor	
9	Prof. NAVYA N	Assistant professor	
10	Dr. RAMARAJU H K	Guest Speaker	


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


HOD

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

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore- 560 057

Department of Civil Engineering

Academic year 2017-2018-Even semester

CERTIFICATION COURSE: "Application of total station"

Sl. No	USN	Name of the student	Sl.No	USN	Name of the student
1	ISG16CV001	Abhishek D P	42	ISG16CV050	Suma K H
2	ISG16CV002	Akshay Kumar G	43	ISG16CV054	Sunil
3	ISG16CV003	Akshay R	44	ISG16CV055	Sunil Shivanand Majur
4	ISG15CV032	Mohammed Riaz J	45	ISG16CV059	Vignesh Mohan
5	ISG15CV033	Mohan Raj.A	46	ISG16CV060	Yashaswini R
6	ISG16CV004	Anusha N	47	ISG17CV400	Adarsh P G
7	ISG16CV005	Anusha N M	48	ISG17CV401	Akash
8	ISG16CV006	Archana R	49	ISG17CV402	Birsid Narate
9	ISG16CV009	Basavaraj G S	50	ISG17CV403	Chan Pasha
10	ISG16CV010	Bharath S B	51	ISG17CV404	Chethan P
11	ISG16CV011	Bindhushree C V	52	ISG17CV405	Faizal Manzoor
12	ISG16CV012	Brunda L	53	ISG17CV406	Karthik C G
13	ISG16CV013	Chandan T	54	ISG17CV407	Kemparajamma S
14	ISG16CV014	Chidanand B R	55	ISG17CV408	Mahesh T G
15	ISG16CV015	Deepika B M	56	ISG17CV410	Muzamil Maqsood
16	ISG16CV016	Ganesh C	57	ISG17CV411	Mukund D A
17	ISG16CV017	Darshan H N	58	ISG17CV412	Sagar Patil
18	ISG16CV019	Harshith H S	59	ISG17CV414	Srinivas Reddy M
19	ISG16CV020	Harshitha R	60	ISG17CV415	Sunil Malagar
20	ISG16CV021	Hemanth Kumar N	61	ISG17CV416	Tejas T
21	ISG16CV022	Jayaswamy G O	62	ISG17CV001	Aftaab Ahamed M Damani
22	ISG16CV023	Kanhaiya Das	63	ISG17CV002	Akshay C J
23	ISG16CV025	Keerthana K	64	ISG17CV003	Anusha S
24	ISG16CV026	Manju M S	65	ISG17CV004	Ashwini S R
25	ISG16CV028	Megha Shree R	66	ISG17CV007	Chiranth M
26	ISG16CV029	Mohammed Jaffar	67	ISG17CV008	Darshan N S
27	ISG16CV030	Naveen Kumar	68	ISG17CV009	Darshan Gowda B K
28	ISG16CV031	Nikhil S	69	ISG17CV010	Devaraju M B
29	ISG16CV033	Nishchitha S	70	ISG17CV011	Dinakar Reddy
30	ISG16CV034	Nithin B M	71	ISG17CV012	Geetha B N
31	ISG16CV035	Pooja Patil	72	ISG17CV013	Hammad Maroof Imdadi
32	ISG16CV036	Prashanth R	73	ISG17CV014	Harsha R
33	ISG16CV039	Rachana B R	74	ISG17CV015	Harsha V
34	ISG16CV040	Rupali Rai	75	ISG17CV016	Harshith .R.
35	ISG16CV041	Sahana K P	76	ISG17CV017	Harshitha K Gowda
36	ISG16CV042	Saleem M	77	ISG17CV018	Harshitha R
37	ISG16CV043	Sanjay Kumar Sah	78	ISG17CV019	Harshitha R P
38	ISG16CV044	Shreyas S	79	ISG17CV020	Hemalatha S S
39	ISG16CV045	Shwetha P	80	ISG17CV021	J Suraj
40	ISG16CV046	Siddhartha T	81	ISG17CV022	Jayki Kishan Sah
41	ISG16CV048	Sowmya H	82	ISG17CV023	K S Darshan

83	ISG17CV024	Kiran Bandiwaddar
84	ISG17CV025	Likhitha G K
85	ISG17CV031	Nayana M K
86	ISG17CV032	Nikila R
87	ISG17CV033	Nisarga J V
88	ISG17CV034	Nithin .H.
89	ISG17CV035	Pooja B
90	ISG17CV036	Prajwal H C
91	ISG17CV037	Prajwal R
92	ISG17CV038	Prathapa Gowda F B
93	ISG17CV039	Prathiksha S
94	ISG17CV040	Purushothama
95	ISG17CV042	Santahosh Mulawac
96	ISG17CV043	Shashidhar .A.H.
97	ISG17CV044	Shreejith S
98	ISG17CV045	Sudha .B.R.
99	ISG17CV046	Suhail Ahmad Chorisaz
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106	ISG17CV053	Yashaswi Y S
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108	ISG17CV055	Zeeshan Yousuf

Coordinators
Prof. GEETHA T S
Prof. KRUPA T L




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Fax: 080-28372797

Department of Civil Engineering

Academic year 2017-2018 - **EVEN SEMESTER.**

CERTIFICATION COURSE: "Application of total station"

Sl.No	USN	Name of the student	22/1/2018		23/1/2018		24/1/2018		25/1/2018		27/1/2018	
			M/S	A/S	M/S	A/S	M/S	A/S	M/S	A/S	M/S	A/S
1	ISG16CV001	Abhishek D P	1	2	3	4	5	6	7	8	9	10
2	ISG16CV002	Akshay Kumar G	1	2	3	4	5	6	7	8	9	10
3	ISG16CV003	Akshay R	A	1	2	3	4	5	6	7	8	9
4	ISG15CV032	Mohammed Riaz J	1	2	3	4	5	6	7	8	A	9
5	ISG15CV033	Mohan Raj.A	1	2	3	4	5	6	7	8	9	10
6	ISG16CV004	Anusha N	1	2	3	4	5	6	7	8	9	10
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8	ISG16CV006	Archana R	1	2	3	4	A	5	6	7	8	9
9	ISG16CV009	Basavaraj G S	1	2	3	4	5	6	7	8	9	10
10	ISG16CV010	Bharath S B	A	1	2	3	4	5	6	7	8	9
11	ISG16CV011	Bindhushree C V	1	2	3	4	5	6	7	8	9	10
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13	ISG16CV013	Chandan T	1	2	3	4	5	6	7	8	9	10
14	ISG16CV014	Chidanand B R	A	1	2	3	4	5	A	6	7	8
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16	ISG16CV016	Ganesh C	A	1	2	3	4	5	6	7	8	9
17	ISG16CV017	Darshan H N	1	2	3	A	4	5	6	7	8	9
18	ISG16CV019	Harshith H S	1	2	3	4	5	6	7	8	9	10
19	ISG16CV020	Harshitha R	1	2	3	4	5	6	7	A	8	9
20	ISG16CV021	Hemanth Kumar N	1	2	3	4	5	6	7	8	9	10
21	ISG16CV022	Jayaswamy G O	A	1	2	3	4	5	6	7	8	9
22	ISG16CV023	Kanhaiya Das	1	2	3	4	5	6	7	8	9	10
23	ISG16CV025	Keerthana K	1	2	3	4	A	5	6	7	A	8
24	ISG16CV026	Manju M S	A	1	2	3	4	5	6	7	8	9
25	ISG16CV028	Megha Shree R	1	2	3	4	5	6	A	7	8	9
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30	1SG16CV034	Nithin B M	1	2	3	4	A	5	6	7	8	9
31	1SG16CV035	PoojaPatil	1	2	3	4	5	6	7	8	9	10
32	1SG16CV036	Prashanth R	A	1	2	3	4	5	6	7	8	9
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34	1SG16CV040	Rupali Rai	1	2	3	4	5	6	7	8	9	10
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36	1SG16CV042	Saleem M	1	2	3	4	5	6	7	8	9	A
37	1SG16CV043	Sanjay Kumar Sah	1	2	A	3	4	5	6	7	8	9
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42	1SG16CV050	Suma K H	1	2	3	4	A	5	6	7	8	9
43	1SG16CV054	Sunil	A	1	2	3	4	5	6	7	8	9
44	1SG16CV055	Sunil ShivanandMaigur	1	2	3	4	5	6	7	8	A	9
45	1SG16CV059	Vignesh Mohan	1	2	3	4	5	6	7	8	9	10
46	1SG16CV060	Yashaswini R	1	2	3	4	5	6	7	8	9	10
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52	1SG17CV405	FaizalManzoor	1	2	3	4	A	5	6	7	8	9
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54	1SG17CV407	Kemparajamma S	1	2	3	4	5	6	7	8	9	10
55	1SG17CV408	Mahesh T G	1	2	3	4	5	6	7	8	9	10
56	1SG17CV410	MuzamilMaqsood	1	2	3	4	A	5	6	7	A	8
57	1SG17CV411	Mukund D A	1	2	3	4	5	6	7	8	9	10
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59	1SG17CV414	Srinivas Reddy M	1	2	3	4	5	6	7	8	9	10
60	1SG17CV415	Sunil Malagar	1	A	2	3	4	5	6	A	7	8
61	1SG17CV416	Tejas T	1	2	3	4	5	6	7	8	9	10
62	1SG17CV001	AftaabAhamed M Damani	1	2	3	4	5	6	7	8	9	10
63	1SG17CV002	Akshay C J	1	2	3	4	A	5	6	7	8	A
64	1SG17CV003	Anusha S	1	2	3	A	A	4	5	6	7	8
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66	ISG17CV007	Chiranth M	1	2	3	4	5	6	7	8	9	10
67	ISG17CV008	Darshan N S	1	2	3	4	5	6	7	8	9	10
68	ISG17CV009	DarshanGowda B K	1	2	3	4	5	6	7	8	9	10
69	ISG17CV010	Devaraju M B	1	2	3	4	5	6	7	8	9	10
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72	ISG17CV013	HammadMaroofImdadi	A	1	2	3	4	5	6	7	8	9
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107	ISG17CV054	Yashik .A.	1	2	3	4	5	6	7	8	9	10
108	ISG17CV055	ZeeshanYousuf	1	2	3	4	5	6	7	8	9	
Signature of Resource Personnel			Q	Q	Q	Q	Q	Q	Q	Q	Q	Q

Coordinators

Prof. GEETHA T S

Prof. KRUPA T L

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

SAPTHAGIRI COLLEGE OF ENGINEERING

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DEPARTMENT OF CIVIL ENGINEERING

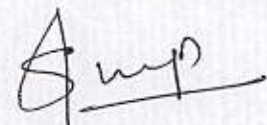
5 Days Certification Course on "Application of total station"

Test Time Table-Even semester

Sl. No.	DATE	DAY	TIMINGS
1	27/1/2018	Saturday	3:00 PM TO 4:00 PM



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Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bengaluru-560057



HOD

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



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DEPARTMENT OF CIVIL ENGINEERING

5 Days Certificate Course on "Application of Total Station"

Question paper-Even semester-2017-18

Duration: 1 hour

Maximum Marks: 20

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

- Which of the following is made in connection with the construction of streets, water supply systems, sewers?
a) Traverse surveying b) Hydrographic surveying c) Cadastral surveying d) City surveying
- Which of the following is classification based on the instrument used?
a) Topographic surveying b) Hydrographic surveying c) Cadastral surveying d) Traverse surveying
- Determining points of strategic importance are called _____
a) Topographic surveying b) City surveying c) Military surveying d) Traverse surveying
- For exploring mineral wealth which type of surveying is used?
a) Topographic surveying b) Engineering surveying c) Military surveying d) Mine surveying
- The bubble in a total station is centralised using:
a) Tripod b) Levelling screw c) Tangent screw d) Foot screw
- Which is the latest development in a total station?
a) High resolution b) High accuracy c) Robotic d) Automatic
- Which of the below is not an application of total station?
a) Crime scene investigation b) Furniture manufacture c) Mining d) Archaeology
- How many types of EDM are there based on the reflector type?
a) 3 b) 5 c) 4 d) 2
- Total station can be used in meteorology.
a) True b) False
- What is the range of medium range EDM?
a) <5kms b) 15-25kms c) 5-25kms d) >25kms

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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

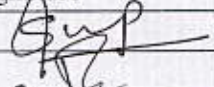
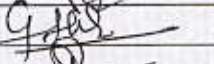
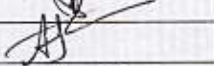

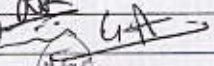

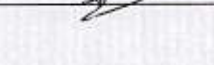

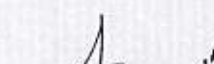

19. The size of a plane table is

- 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

Approved by Academic Committee Members & Guest Speaker

Sl No.	Faculty Name	Designation	Signature
1	Prof. SUVARNA P	HOD	
2	Prof. PRAMOD K.R	Assistant professor	
3	Prof. GEETHA T.S	Assistant professor	
4	Prof. KRUPA.T.L	Assistant professor	
5	Prof. AKSHAY J	Assistant professor	
6	Prof. RAGHAVENDRA R	Assistant professor	
7	Prof. DHRUVARAJ.M.S	Assistant professor	
8	Prof. PALLAVI.G.A	Assistant professor	
9	Prof. NAVYA. M	Assistant professor	
10	Dr. RAMARAJU H.K	Guest Speaker	



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Sapthagiri College of Engineering
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Bangalore-560 057


HOD

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S.C.E, 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-2017-2018-Even semester

Duration: 1 hour

Maximum Marks: 20

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

1. Which of the following is made in connection with the construction of streets, water supply systems, sewers?
a) Traverse surveying b) Hydrographic surveying c) Cadastral surveying d) City surveying

Answer: d

2. Which of the following is classification based on the instrument used?
a) Topographic surveying b) Hydrographic surveying c) Cadastral surveying d) Traverse surveying

Answer: d

3. Determining points of strategic importance are called _____
a) Topographic surveying b) City surveying c) Military surveying d) Traverse surveying

Answer: c

4. For exploring mineral wealth which type of surveying is used?
a) Topographic surveying b) Engineering surveying c) Military surveying d) Mine surveying

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

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



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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:

- a) Hard discs b) Electronic books c) Data storage d) Chip

Answer: b

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

Answer: b

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.

Answer: b

14. To avoid large centering 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

Answer: c

15. Different grades are joined together by a

- a) Compound curve (b) Transition curve (c) Reverse curve (d) Vertical curve

Answer: d

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

Answer: b

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

Answer: a

17. Which of the following methods of contouring is most suitable for a hilly terrain?

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a) Direct method b) Square method c) Cross-sections method d) Tachometric method

Answer: d

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

Answer: b

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




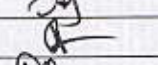

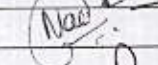
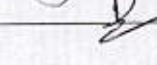



Answer: b

20. If the reduced bearing of a line AB is N60°W and length is 100 m, then the latitude and departure respectively of the line AB will be

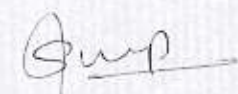
a) +50 m, +86.6 m b) +86.6 m, -50 m c) +50 m, -86.6 m d) +70.7 m, -50 m

Answer: b

Approved by Academic Committee Members & Guest Speaker

Sl No.	Faculty Name	Designation	Signature
1	Prof. SUVARNA P	HOD	
2	Prof. PRAMOD.K.R	Assistant professor	
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Department of Civil Engineering

5 Days Certificate Course on "Application of total station"

Participant Feedback-2017-2018- Even semester

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:

over all good, need Total
station Related training only in future

Student Name : Anusha N.


Student Signature:


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


5 Days Certificate Course on "Application of total station"

Participant Feedback-2017-2018- Even semester

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 ?
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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 higher advanced Instrumental
handling related courses.

Student Name : Brunda.L


Student Signature:



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

5 Days Certificate Course on "Application of total station"

Participant Feedback-2017-2018- Even semester

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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:

Still need more Instrumental required and related courses.

Student Name :

Hemath Kumar N

Student Signature:

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Department of Civil Engineering

5 Days Certificate Course on "Application of total station"

Participant Feedback-2017-2018- Even semester

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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:

over all good . I am satifiction
about the course.

Student Name

Ashwini S.R.

Student Signature:

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Bangalore- 560 057

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Department of Civil Engineering

5 Days Certificate Course on "Application of total station"

Participant Feedback-2017-2018- Even semester

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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:

I need Instrumental related course and handling of Instrument also to our further benefits in the field work projects.

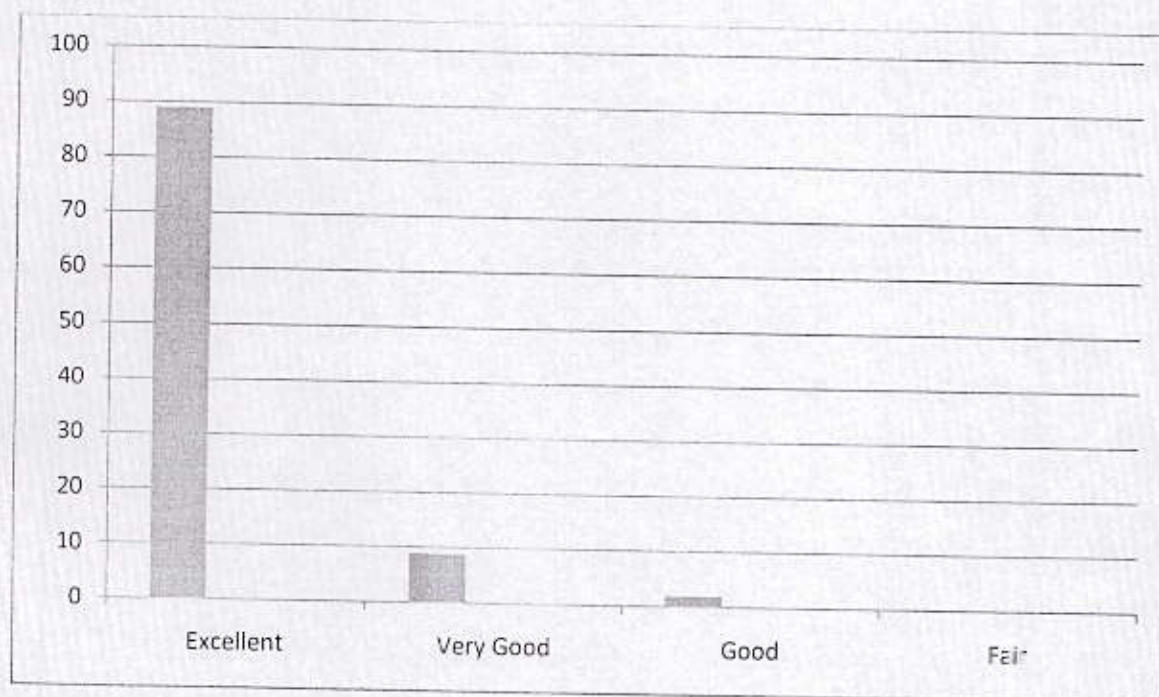
Student Name: *Nayana. M.K.*

Nayana. M.K.
Student Signature:

FEEDBACK ANALYSIS-2017-2018- even semester

Certification Programme: "Application of total station"

No. of students participated	Student Feedback			
	Excellent	Very Good	Good	Fair
108	89	09	02	00



Action Report:

89 % of students were completely happy with the certification program and 09 % of students felt it was a good program and remaining 2% 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

Principal

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Bengaluru-560 057

HOD

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

SAPTHAGIRI COLLEGE OF ENGINEERING

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

4/5, Chikkasandra, Hesaraghatta Main Road, Bangalore- 560 057.

Web: www.sapthagiri.edu.in, Phone: 080-28372300/1/2

DEPARTMENT OF CIVIL ENGINEERING

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

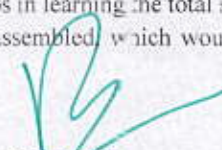
A 5 days certificate course on "Application of Total Station" was conducted in Sir.M.V.Seminar Hall by department of civil engineering from 22 January 2018 to 27 January 2018 in Sapthagiri College of Engineering Bangalore. The Resource Person for the Program was Dr.Ramaraju H.K (Head of the Department DayanandSagar College of Engineering). The program was attended by all the HOD's of Sapthagiri College of Engineering and the program also 4th and 2nd semester Civil Students and faculties.

Master of Ceremony(MOC) for the entire program was Mrs. Navya N (Assistant Professor, Department of Civil Engineering). After self introduction of MOC, Mr.pramod K R (Assistant Professor, Department of Civil Engineering) delivered the welcome address followed by the Pleasant Prayer song by 2nd sem student Ms.Nikhila. Further Prof. Suvarna P (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.K.L.Shivasappa (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.Akshay J (Assistant Professor, Department of Civil Engineering) briefly introduced the resource person of the program Dr.Ramaraju H.K. Later Dr.Ramaraju H.K 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 our college 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. Pallavi G.A(Assistant Professor, Department of Civil Engineering). After the vote of thanks, the MOC Mrs.Navya N 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. Suvarna P assembled at Seminar Hall for the theoretical Session.

Dr.Ramaraju H.K (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, Mr. Hemanth Reddy practically demonstrated the basic seven steps of total station.

Post 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 day 1.

In the beginning session for day 2, the 4th and 2nd semester students and faculties were again practising the seven steps of total station in order to ensure the perfectness. Further Dr. Ramaraju H.K. practically 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 day 1. 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 day 2, the participants completely practised what was taught on day 2.

In the beginning session for day 3, the students and faculties were again practising the seven steps of total station in order to ensure the perfectness. Further Dr. Ramaraju H.K. practically 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 day 2. 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 sheet 1, 3rd step-3 points traverse sheet 2. Till the end of the session for day 3, the participants completely practised what was taught on day 3.



In the beginning session for day 4, the students and faculties were again practising the seven steps of total station in order to ensure the perfectness. Further Dr. Ramaraju H.K. practically 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 day 3. 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 day 4, the participants completely practised what was taught on day 4.

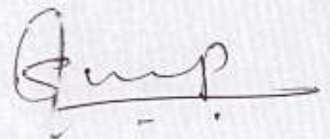
In the morning session of day 5, the students and faculties practised what was taught on day 4. Post lunch break after few more practice, all the participants were asked to again gather at Seminar Hall. Our beloved HOD, Prof. Suvarna P thanked the resource person Dr. Ramaraju H.K. for sharing his knowledge with us. Feedback was taken from all the participants about the pros and cons of the certificate course. Participants were given the


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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. Ramaraju H.K. Due to the refreshments and accommodation arrangements made by our HOD and due to the impartial delivery of the practical knowledge by Dr. Ramaraju H.K. the certificate course received lot of positive feedback and it paved the way for participants to implement their ideas in projects in Total Station.




Coordinator


HOD


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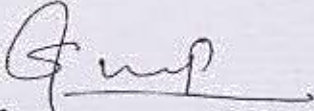



Sapthagiri College of Engineering

Bangalore-560057

Certificate

This is to Certify that Mr./Ms. Nisarga J.V
of Civil Engineering has participated
and successfully completed Five days Certification Course on
"Application of Total Station" from 22 January 2018 to 27 January 2018
organized by the Department of Civil Engineering, Sapthagiri College of
Engineering.


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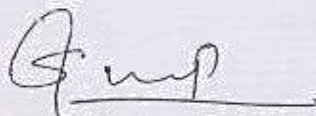



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Bangalore-560057

Certificate

This is to Certify that Mr./[✓]Ms. Bindhushree . C . V
of Civil Engineering has participated
and successfully completed Five days Certification Course on
"Application of Total Station" from 22 January 2018 to 27 January 2018
organized by the Department of Civil Engineering, Sapthagiri College of
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Principal



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