



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	2017-2018 (EVEN)
Branch	Computer Science Engineering
Name of the Faculty	Nayya N.
Designation	Assistant Professor
Subject/Sub. code	17CV23/Elements of Civil Engineering

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: More usage of ICT tools.

Signature

Principal
 Sapthagiri College of Engineering
 Chikkasandra, Hosaraghatta 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	2017-2018
Branch	Civil
Name of the Faculty	Raghavendra R.
Designation	Asst Prof.
Subject/Sub. code	Basic Surveying 15CV34

Rate the curriculum/syllabus on the following Points

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

Suggestions: Theory part is more. be of this required of total station to improve the knowledge of the students in case of construction.

Signature

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Principal

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Sapthagiri College of Engineering

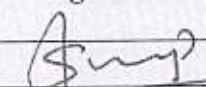
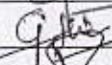
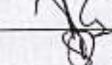
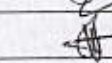

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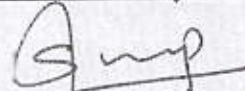
Department of Civil Engineering

Date: 25/05/2018

Academic committee members meeting for analyzing curriculum syllabus of Academic Year 2017-18.

This is to inform that there will be a meeting of Academic committee members for analyzing curriculum syllabus of academic year 2018-19. The meeting is scheduled on 25/05/2018 at 10.30 am in HOD's chamber.

Sl No.	Faculty Name	Designation	Signature
1	Prof. Suvarna P	HOD	
2	Prof. Geetha T S	Assistant Professor	
3	Prof. Pramod K R	Assistant Professor	
4	Prof. Krupa T L	Assistant Professor	
5	Prof. Raghavendra R	Assistant Professor	


HOD

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

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

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Department of Civil Engineering

Date: 26/05/2013


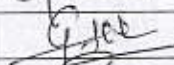
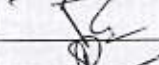
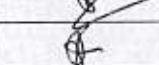

MINUTES OF MEETING

With reference to circular dated on 25/05/2018, the academic committee member assembled in HODs chamber for addressing the following agenda.

Agenda:

- Reviewing the department curriculum syllabus of Academic Year 2018-19.
- Reviewing the feedback analysis of various stake holders of the Academic Year 2017-2018.
- 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. Geetha T S	Assistant Professor	
3	Prof. Pramod K R	Assistant Professor	
4	Prof. Krupa T L	Assistant Professor	
5	Prof. Raghavendra R	Assistant Professor	

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

The following points were discussed in the meeting

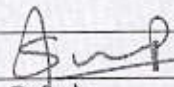


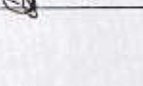
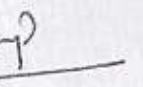
1. The committee members reviewed the analysis of department curriculum syllabus.
2. The committee members discussed about the feedback of department curriculum syllabus.

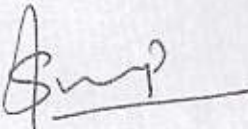

Principal
Sapthagiri College of Engineering

3. The members identified the gaps based on the analysis.
4. The following actions were taken for the gaps that are identified.

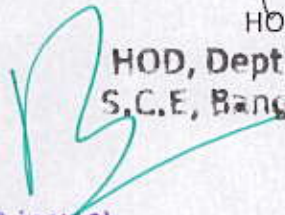
Action Taken:

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.

Sl No.	Faculty Name	Designation	Signature
1	Prof. Suvarna P	HOD	
2	Prof. Geetha T S	Assistant Professor	
3	Prof. Pramod K R	Assistant Professor	
4	Prof. Krupa T L	Assistant Professor	
5	Prof. Raghavendra R	Assistant Professor	


HOD

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


Principal

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

Department of Civil Engineering

Date: 25/05/2018

To

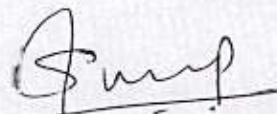
IQAC Coordinator
Sapthagiri College of Engineering
Bengaluru-560 057

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 2017-18. 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 2018-19. So, I request you to forward and get the approval from the governing council for the same.

Thanking You,

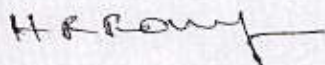


HOD

HOD, Dept. of Civil Engg.
Sapthagiri College of Engineering
Bengaluru-560 057

Forwarded for C.C. approval

& need for



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

Department of Civil Engineering

Date: 25-05-2018

To,

The IQAC Coordinator
Sapthagiri College of Engineering
Bangalore - 560057.

Respected Sir,

Subject: Budget Proposal for conduction of 2 certification program on "Advance Surveying Technologies using Total Station" and "Surveying Technologies using Total Station".

The Budget Proposal for conduction a 2 certification program on "Advance Surveying Technologies using Total Station" and "Surveying Technologies using Total Station" from 23 July 2018 to 27 July 2018 and 21 January 2019 to 25 January 2019 respectively are here by 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 G.C.I
approval & needed*

H.R. Ram

[Signature]
HOD

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

[Signature]
Principal

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

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Phone: 080-28372800/1/2

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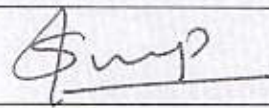
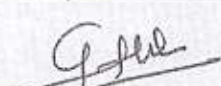



Fax: 080-28372797

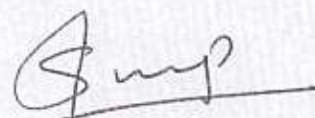
Department of Civil Engineering

19-07-2018

CIRCULAR

This is to inform that the following Curriculum Board members are requested to attend the meeting on 19/07/2018 at 10.30AM in the HODs chamber to decide in the Odd semester syllabus and the lesson plan for the certification program on "Advanced Surveying Technologies using Total Station."

Sl No.	Faculty Name	Designation	Signature
1	Prof. Suvarna P	HOD	
2	Prof. Geetha T S	Assistant Professor	
3	Prof. Pramod K R	Assistant Professor	
4	Prof. Krupa T L	Assistant Professor	
5	Prof. Raghavendra R	Assistant Professor	



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

Date: 18-07-2018

To,

Er. Hemanth Reddy. S
Chief Executive
Sir M V Institute of Engineering Skills
Bangalore

Respected Sir,

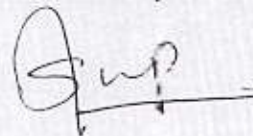
Subject: Invitation as a "Guest Speaker" in certification program and to attend meeting to discuss about the certification program

Department of Civil Engineering have planned in Odd semester to conduct a certification program titled "Advanced Surveying Technologies using Total Station" for 7th and 5th semester students from 25 July 2018 to 27 July 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 19/07/2018 at 10:00AM in the HOD Chamber. We look forward to welcome you at SCE.

Thanking you

Yours faithfully



HOD

HOD, Dept. of Civil Engg.
S.M.V. Institute, Bangalore-560 017



Principal

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

Minutes of Meeting

A meeting was conducted on 19-07-2018 in CivilHoD's Chamber to discuss and approve the following about the 5 days Certification Course for 7th and 5th semester Civil Students.

- **Course Title :** "Advance Surveying Technologies using Total Station"
- **Resource Personnel :** Er. Hemanth Reddy. S, Chief Executive, Sir M V Institute of Engineering Skills, Bangalore
- **Course Duration & Date:** 5 Days from 23 July 2018 to 27 July 2018
- **Course Content :**

Dates	SESSION 1 (9:00AM TO 12:00PM)	SESSION 2 Hands on Session (1:30PM TO 4:30PM)	No. of Hours
23/7/2018	<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
24/7/2018	<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
25/7/2018	<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
26/7/2018	<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
27/7/2018	<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

Principal

Sapthagiri College of Engineering

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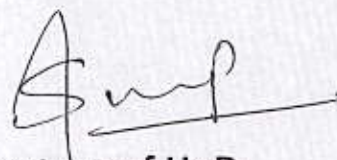
Fax: 080-28372797

Department of Civil Engineering

NOTICE

As a part of programming skill development Department of Civil Engineering is conducting Five days Certification Course on **“Advance Surveying Technologies using Total Station”** from 23 July 2018 to 27 July 2018. All the civil students must attend the course compulsorily.

Venue: Seminar hall, SCE



Signature of HoD



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Fax: 080-28372797

Department of Civil Engineering

Academic year 2018-2019-Odd semester

CERTIFICATION COURSE: "Advance Surveying Technologies using Total Station"

Sl. No	USN	Name of the student	Sl.No	USN	Name of the student
1	ISG14CV005	Bhavani B G	42	ISG15CV055	V U Aishwarya
2	ISG14CV014	Harshith R	43	ISG15CV056	Vignesh Rao S
3	ISG14CV015	Harshitha V	44	ISG15CV057	Sachin Kumar A K
4	ISG15CV002	Anil Kumar Reddy	45	ISG16CV400	Abhishek D N
5	ISG15CV003	Anjana Jagadeesh	46	ISG16CV401	Amrutha A G
6	ISG15CV004	Aslam Idrish	47	ISG16CV402	Basava Prasad M S
7	ISG15CV005	B E Pavan Kumar	48	ISG16CV403	Chandan K
8	ISG15CV006	Benaka Kumar S	49	ISG16CV404	Lingaraju
9	ISG15CV007	Bharath .K	50	ISG16CV405	Mamatha M
10	ISG15CV010	Chethan S Patil	51	ISG16CV406	Meghana A H
11	ISG15CV012	G Sai Prasanna Kumar	52	ISG16CV408	Pallavi S D
12	ISG15CV014	Gangaraju T	53	ISG16CV409	Rakshith
13	ISG15CV015	Gazi.Mohammed Mansoor	54	ISG16CV410	Ramesh K
14	ISG15CV017	Gowtham M	55	ISG16CV411	Ravi Kumar K S
15	ISG15CV018	Hamsa T N	56	ISG16CV413	Sushmitha D N
16	ISG15CV019	Harsha N	57	ISG16CV414	Vinaya Dandu Patakare
17	ISG15CV020	Jayalakshmi B L	58	ISG16CV415	Yamini
18	ISG15CV021	Kanoj S V	59	ISG13CV001	Sachin T S
19	ISG15CV022	Karthik Kuttappa B.J	60	ISG14CV046	Sheshu V C
20	ISG15CV024	Konsam Loyangamba Singh	61	ISG16CV001	Abhishek D P
21	ISG15CV026	Makbool	62	ISG16CV002	Akshay Kumar G
22	ISG15CV029	Manoj .M	63	ISG16CV003	Akshay R
23	ISG15CV031	Mohmed Rafeeq	64	ISG16CV004	Anusha N
24	ISG15CV032	Mohammed Riaz J	65	ISG16CV005	Anusha N M
25	ISG15CV033	Mohan Raj.A	66	ISG16CV006	Archana R
26	ISG15CV035	Namratha A.V	67	ISG16CV009	Basavaraj G S
27	ISG15CV036	Poorva M.B	68	ISG16CV010	Bharath S B
28	ISG15CV037	Prakash S H	69	ISG16CV011	Bindhushree C V
29	ISG15CV038	Prem Fernandes	70	ISG16CV012	Brunda L
30	ISG15CV040	Rakshith Gowda.V	71	ISG16CV013	Chandan T
31	ISG15CV041	Ramya.K.V	72	ISG16CV014	Chidanand B R
32	ISG15CV042	Sachin Reddy	73	ISG16CV015	Deepika B M
33	ISG15CV045	Sarinbabu R.H	74	ISG16CV016	Ganesh C
34	ISG15CV046	Sharath V	75	ISG16CV017	Darshan H N
35	ISG15CV048	Shetty Lavaraj Rama	76	ISG16CV019	Harshith H S
36	ISG15CV049	Shivaprasad H M	77	ISG16CV020	Harshitha R
37	ISG15CV050	Shreejith R	78	ISG16CV021	Hemanth Kumar N
38	ISG15CV051	Shylesh S D	79	ISG16CV022	Jayaswamy G O
39	ISG15CV052	Sushma .L	80	ISG16CV023	Kanhaiya Das
40	ISG15CV053	Sushmitha A	81	ISG16CV025	Keerthana K
41	ISG15CV054	Swathi.K	82	ISG16CV026	Manju M S

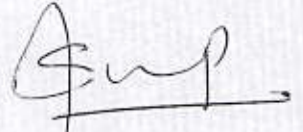
Principal

83	ISG16CV028	Megha Shree R
84	ISG16CV029	Mohammed Jaffar
85	ISG16CV030	Naveen Kumar
86	ISG16CV031	Nikhil S
87	ISG16CV033	Nishchitha S
88	ISG16CV034	Nithin B M
89	ISG16CV035	Pooja Patil
90	ISG16CV036	Prashanth R
91	ISG16CV039	Rachana B R
92	ISG16CV040	Rupali Rai
93	ISG16CV041	Sahana K P
94	ISG16CV042	Saleem M
95	ISG16CV043	Sanjay Kumar Sah
96	ISG16CV044	Shreyas S
97	ISG16CV045	Shwetha P
98	ISG16CV046	Siddartha T
99	ISG16CV048	Sowmya H
100	ISG16CV050	Suma K H
101	ISG16CV054	Sunil
102	ISG16CV055	Sunil Shivanand Maigur
103	ISG16CV055	Vignesh Mohan
104	ISG16CV060	Yashaswini R
105	ISG17CV400	Adarsh P G
106	ISG17CV401	Akash
107	ISG17CV402	Birsid Narate
108	ISG17CV403	Chan Pasha
109	ISG17CV404	Chethan P
110	ISG17CV405	Faizal Manzoor
111	ISG17CV405	Karthik C G
112	ISG17CV407	Kemparajamma S
113	ISG17CV408	Mahesh T G
114	ISG17CV410	Muzamil Maqsood
115	ISG17CV411	Mukund D A
116	ISG17CV412	Sagar Patil
117	ISG17CV414	Srinivas Reddy M
118	ISG17CV415	Sunil Malagar
119	ISG17CV416	Tejas T

Coordinators

Prof. GEETHA T S

Prof. KRUPA T L


FOD

Principal

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Chikkasandra, Hesaraghatta Road
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Phone: 080-28372800, 1/2

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Fax: 080-28372797

Department of Civil Engineering

Academic year 2018-2019 - ODD Sem

CERTIFICATION COURSE: "Advanced Surveying Technologies using Total Station"

Sl. No	USN	Name of the student	23/07/2018		24/07/2018		25/07/2018		26/07/2018		27/07/2018	
			M/S	A/S	M/S	A/S	M/S	A/S	M/S	A/S	M/S	A/S
1	ISG15CV002	Anil Kumar Reddy	1	2	3	4	5	4	6	7	8	9
2	ISG15CV003	Anjana Jagadeesh	1	2	3	4	5	6	7	8	9	10
3	ISG15CV004	Aslam Idrish	1	2	3	4	5	6	7	8	9	10
4	ISG15CV005	B E Pavan Kumar	1	2	3	4	5	6	7	8	9	
5	ISG15CV006	Benaka Kumar S	1	2	3	4	5	6	7	8	9	10
6	ISG15CV007	Bharath .K	1	2	3	4	5	6	7	8	9	
7	ISG15CV010	Chethan S Patil	1	2	3	4	5	6	7	8	9	10
8	ISG15CV012	G Sa. Prasanna Kumar	A	1	2	3	4	5	6	7	8	9
9	ISG15CV014	Gangaraju T	1	2	3	4	5	6	7	8	9	A
10	ISG15CV015	Gazi. Mohammed Mansoor	1	2	3	4	5	6	7	8	9	
11	ISG15CV017	Gowtham M	1	2	3	4	5	6	7	8	9	10
12	ISG15CV018	Hansa T N	1	2	3	4	5	6	7	8	9	10
13	ISG15CV019	Harsha N	1	2	3	4	5	6	7	8	9	
14	ISG15CV020	Jayalakshmi B L	1	2	3	4	5	6	7	8	9	
15	ISG15CV021	Karoj S V	A	1	2	3	4	5	6	7	8	9
16	ISG15CV022	Karthik Kuttappa B.J	1	2	3	4	5	6	7	8	9	10
17	ISG15CV024	Kousam Loyangamba Singh	1	2	3	4	5	6	7	8	9	10
18	ISG15CV026	Maxbool	1	2	3	4	5	6	7	8	9	
19	ISG15CV029	Manoj .M	1	2	3	4	5	6	7	8	9	10
20	ISG15CV031	Mohamed Rafeeq	A	1	2	3	4	5	6	7	8	9
21	ISG15CV032	Mohammed Riaz J	1	2	3	4	5	6	7	8	9	10
22	ISG15CV033	Mohan Raj. A	1	2	3	4	5	6	7	8	9	10
23	ISG15CV035	Nemratha A.V	1	2	3	4	5	6	7	8	9	A
24	ISG15CV036	Poorva M.B	1	2	3	4	5	6	7	8	9	10
25	ISG15CV037	Prakash S H	A	1	2	3	4	5	6	7	8	
26	ISG15CV038	Prem Fernandes	1	2	3	4	5	6	7	8	9	10

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Department of Civil Engineering

27	ISG15CV040	Rakshith Gowda, V	1	2	3	4	5	6	7	8	9	10
28	ISG15CV041	Ramya, K.V	1	2	3	4	5	6	7	8	9	10
29	ISG15CV042	Sachin Reddy	1	2	3	4	5	6	7	8	9	
30	ISG15CV045	Sarinbabu R.H	1	2	3	4	5	6	7	8	9	
31	ISG15CV046	Sharath V	1	2	3	4	5	6	7	8	9	
32	ISG15CV048	Shetty Lavaraj Rama	1	2	3	4	5	6	7	8	9	10
33	ISG15CV049	Shivaprasad H M	1	2	3	4	5	6	7	8	9	
34	ISG15CV050	Shreejith R	1	2	3	4	5	6	7	8	9	
35	ISG15CV051	Shylesh S D	1	2	3	4	5	6	7	8	9	
36	ISG15CV052	Sushma .L	1	2	3	4	5	6	7	8	9	10
37	ISG15CV053	Sushmitha A	1	2	3	4	5	6	7	8	9	
38	ISG15CV054	Swathi, K	1	2	3	4	5	6	7	8	9	10
39	ISG15CV055	V U Aishwarya	1	2	3	4	5	6	7	8	9	10
40	ISG15CV056	Vignesh Rao S	1	2	3	4	5	6	7	8	9	10
41	ISG15CV057	Sachin Kumar A K	1	2	3	4	5	6	7	8	9	
42	ISG14CV005	Bhavani B G	1	2	3	4	5	6	7	8	9	10
43	ISG14CV014	Harshith R	1	2	3	4	5	6	7	8	9	10
44	ISG14CV015	Harshitha V	1	2	3	4	5	6	7	8	9	10
45	ISG16CV400	Abhishek D N	1	2	3	4	5	6	7	8	9	
46	ISG16CV401	Amrutha A G	1	2	3	4	5	6	7	8	9	10
47	ISG16CV402	Basava Prasad M S	1	2	3	4	5	6	7	8	9	
48	ISG16CV403	Chandan K	1	2	3	4	5	6	7	8	9	
49	ISG16CV404	Lingaraju	1	2	3	4	5	6	7	8	9	
50	ISG16CV405	Mamatha M	1	2	3	4	5	6	7	8	9	10
51	ISG16CV406	Meghana A H	1	2	3	4	5	6	7	8	9	10
52	ISG16CV408	Pallavi S D	1	2	3	4	5	6	7	8	9	10
53	ISG16CV409	Rakshith	1	2	3	4	5	6	7	8	9	
54	ISG16CV410	Ramesh K	1	2	3	4	5	6	7	8	9	
55	ISG16CV411	Ravi Kumar K S	1	2	3	4	5	6	7	8	9	10
56	ISG16CV413	Sushmitha D N	1	2	3	4	5	6	7	8	9	
57	ISG16CV414	Vinaya Dandu Patakare	1	2	3	4	5	6	7	8	9	
58	ISG16CV415	Yamini	1	2	3	4	5	6	7	8	9	10
59	ISG13CV001	Sachin T S	1	2	3	4	5	6	7	8	9	
60	ISG14CV046	Sheshu V C	1	2	3	4	5	6	7	8	9	
61	ISG15CV016	G Uday Kumar	1	2	3	4	5	6	7	8	9	10
62	ISG15CV022	Manoj V	1	2	3	4	5	6	7	8	9	
63	ISG15CV043	Sagar C	1	2	3	4	5	6	7	8	9	10
64	ISG15CV047	Sharath S	1	2	3	4	5	6	7	8	9	

65	ISG15CV058	Harshitha S	1	2	3	4	5	6	7	8	9	10
66	ISG15CV060	Kusumamba	1	2	3	4	5	6	7	8	9	10
67	ISG16CV001	Abhishek D P	1	2	3	4	5	6	7	8	9	10
68	ISG16CV002	Akshay Kumar G	1	2	3	4	5	6	7	8	9	10
69	ISG16CV003	Akshay R	A	1	2	3	4	5	6	7	8	9
70	ISG16CV004	Anusha N	1	2	3	4	5	6	7	8	9	10
71	ISG16CV005	Anusha N M	1	2	3	4	5	6	7	8	9	
72	ISG16CV006	Archana R	1	2	3	4	5	6	7	8	9	10
73	ISG16CV009	Basavaraj G S	1	2	3	4	5	6	7	8	9	10
74	ISG16CV010	Bharath S B	1	2	A	3	4	5	6	7	8	9
75	ISG16CV011	Bindhushree C V	1	2	3	4	5	6	7	8	9	10
76	ISG16CV012	Brunda L	1	2	3	4	5	6	7	8	9	10
77	ISG16CV013	Chandan T	1	2	3	4	5	6	7	8	9	10
78	ISG16CV014	Chidanand B R	1	2	3	4	5	6	7	8	9	10
79	ISG16CV015	Deepika B M	1	2	3	4	5	6	A	7	8	9
80	ISG16CV016	Ganesh C	A	1	2	3	4	5	6	7	8	9
81	ISG16CV017	Darshan H N	1	2	3	4	5	6	7	8	9	10
82	ISG16CV019	Harshith H S	A	1	2	3	4	5	6	7	8	9
83	ISG16CV020	Harshitha R	1	2	3	4	5	6	7	8	9	10
84	ISG16CV021	Hemanth Kumar N	1	2	3	4	5	6	7	8	9	10
85	ISG16CV022	Jayaswamy G O	1	2	3	4	5	6	7	8	9	10
86	ISG16CV023	Kanhaiya Das	1	2	3	4	5	6	7	8	9	10
87	ISG16CV025	Keerthana K	1	2	3	4	5	6	7	8	9	10
88	ISG16CV026	Manju M S	A	1	2	3	4	A	5	6	7	8
89	ISG16CV028	Megha Shree R	1	2	3	4	5	6	7	8	9	10
90	ISG16CV029	Mohammed Jaffar	A	1	2	3	4	5	6	7	8	9
91	ISG16CV030	Naveen Kumar	A	1	2	3	4	5	6	7	8	9
92	ISG16CV031	Nikhil S	A	1	2	3	4	5	6	7	8	9
93	ISG16CV033	Nishchitha S	1	2	3	4	5	6	7	8	9	10
94	ISG16CV034	Nithin B M	A	1	2	3	4	5	6	7	8	9
95	ISG16CV035	Pooja Patil	1	2	3	4	5	6	A	7	8	9
96	ISG16CV036	Prashanth R	1	2	3	4	5	6	7	8	9	10
97	ISG16CV039	Rachana B R	1	2	3	4	5	6	7	8	9	10
98	ISG16CV040	Rupali Rai	1	2	3	4	5	6	7	8	9	10
99	ISG16CV041	Sahana K P	1	2	3	4	A	5	6	7	8	9
100	ISG16CV042	Saleem M	A	1	2	3	4	5	6	7	8	9
101	ISG16CV043	Sanjay Kumar Sah	1	2	3	4	5	6	7	8	A	9
102	ISG16CV044	Shreyas S	1	2	3	4	5	6	7	8	9	10

103	ISG16CV045	Shwetha P	1	2	3	4	5	6	7	8	9	10
104	ISG16CV046	Siddhartha T	1	2	3	4	5	6	7	8	9	10
105	ISG16CV048	Sowmya H	1	2	3	4	5	6	7	8	9	10
106	ISG16CV050	Suma K H	1	2	3	4	5	6	7	8	9	10
107	ISG16CV054	Sunil	A	1	2	3	4	5	6	7	8	9
108	ISG16CV055	Sunil Shivanand Maigur	1	2	3	4	5	6	7	8	9	10
109	ISG16CV059	Vignesh Mohan	1	2	3	4	5	6	7	8	9	10
110	ISG16CV060	Yashaswini R	1	2	3	4	5	6	7	8	9	10
111	ISG16CV061	Akshay Yadav	1	2	3	4	5	6	7	8	9	10
112	ISG16CV062	Nandini S	1	2	3	4	5	6	7	8	9	10
113	ISG16CV064	Sharath C	A	1	2	3	4	5	6	7	8	9
114	ISG16CV065	Priyanka V	1	2	3	4	5	6	7	8	9	10
115	ISG17CV400	Adarsh P G	1	2	3	4	5	6	7	8	9	10
116	ISG17CV401	Akash	1	2	3	4	5	6	7	8	9	10
117	ISG17CV402	Birsid Narate	A	1	2	3	4	5	6	7	8	9
118	ISG17CV403	Char Pasha	1	2	3	4	5	6	7	8	9	10
119	ISG17CV404	Chethan P	1	2	3	4	5	6	7	8	9	10
120	ISG17CV405	Faizal Manzoor	1	2	3	4	5	6	7	8	9	10
121	ISG17CV406	Karthik C G	1	2	3	4	5	6	7	8	9	10
122	ISG17CV407	Kemparajamma S	1	2	3	4	5	6	7	8	9	10
123	ISG17CV408	Mallesh T G	A	1	2	3	4	5	6	7	8	9
124	ISG17CV410	Muzamil Maqsood	1	2	3	4	5	6	7	8	9	10
125	ISG17CV411	Mukund D A	A	1	2	3	4	5	6	7	8	9
126	ISG17CV412	Sagar Patil	A	1	2	3	4	5	6	7	8	9
127	ISG17CV414	Sririvas Reddy M	A	1	2	3	4	5	6	7	8	9
128	ISG17CV415	Sunil Malagar	1	2	3	4	5	6	7	8	9	10
129	ISG17CV416	Tejas T	1	2	3	4	5	6	7	8	9	10
Signature of Resource Personnel												

Coordinators

Prof. GEETHA T S

Prof. KRUPA T L

Principal

Sapthagiri College of Engineering
Chikkacandra Hasaraghatta Road

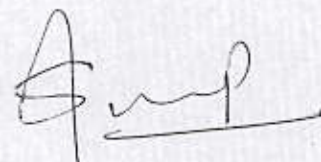
HOD, Dept. of Civil Engg./
S.C.E, Bangalore-560 057

DEPARTMENT OF CIVIL ENGINEERING

5 Days Certification Course on "Advance Surveying Technologies using Total Station"

Test Time Table-Odd semester

Sl. No.	DATE	DAY	TIMINGS
1	27/7/2018	FRIDAY	3:00 PM TO 4:00 PM



HOD

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Bangalore-560 057

DEPARTMENT OF CIVIL ENGINEERING

5 Days Certificate Course on "Advance Surveying Technologies using Total Station"

Question paper-2018-19-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. 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
2. Which of the following is classification based on the instrument used?
a) Topographic surveying b) Hydrographic surveying c) Cadastral surveying d) Traverse surveying
3. Determining points of strategic importance are called _____.
a) Topographic surveying b) City surveying c) Military surveying d) Traverse surveying
4. For exploring mineral wealth which type of surveying is used?
a) Topographic surveying b) Engineering surveying c) Military surveying d) Mine surveying
5. 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
6. 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
7. 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
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) Caip

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

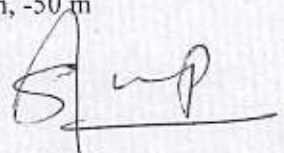
- a) Small chord b) Sub-chord c) Normal chord d) Short chord

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


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

5 Days Certificate Course on "Advance Surveying Technologies using Total Station"

Scheme of Question paper-2018-2019-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. 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. 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

6. 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

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

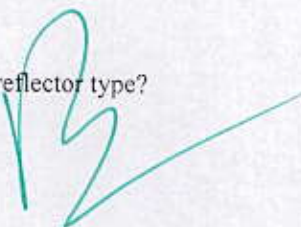
- a) Topographic surveying b) Mine surveying c) Military surveying d) Chain surveying

Answer: a

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

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

Answer: a



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Bengaluru- 560 057

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

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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) Small chord b) Sub-chord c) Normal chord d) Short chord

Answer: b

19. The size of a plane table is

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d) 300 mm × 450 mm

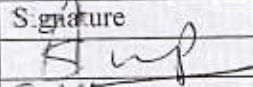

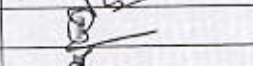



Answer: b

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

Answer: b

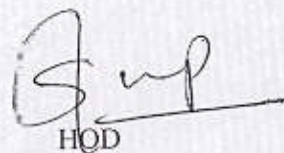
Approved by Academic Committee Members & Guest Speaker

Sl No.	Faculty Name	Designation	Signature
1	Prof. Suvarna P	HOD	
2	Prof. Geetha T S	Assistant professor	
3	Prof. Pramod K R	Assistant professor	
4	Prof. Krupa T L	Assistant professor	
5	Prof. Raghavendra R	Assistant professor	
6	Er. Hemanth Reddy S	Guest Speaker	



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Bangalore- 560 057


HOD

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

5 Days Certificate Course on "Advance Surveying Technologies using Total Station"

Participant Feedback-2018-2019-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:

Need more Instrumental courses to survival in the
Society be a civil engineers.

Student Name : Pranaka Kumar

Student Signature: [Signature]

Principal

5 Days Certificate Course on “Advance Surveying Technologies using Total Station”

Participant Feedback-2018-2019-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

very all good.

Student Name : Ramya K.V

[Signature]
Principal

Student Signature:

5 Days Certificate Course on "Advance Surveying Technologies using Total Station"

Participant Feedback-2018-2019-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:

Total station will be given to students to handle to get more Instrumental Knowledge.

Student Name :

Gowtham.M.

Student Signature:

[Signature]

Principal

Sapthagiri College of Engineering

Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057

5 Days Certificate Course on "Advance Surveying Technologies using Total Station"

Participant Feedback-2018-2019-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:

Good course. got more information about
the course of Total Station.

Student Name: Prem Fernandes

[Signature]
Student Signature:

5 Days Certificate Course on "Advance Surveying Technologies using Total Station"

Participant Feedback-2018-2019-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:

Nice course, got good information,
need some in further.

Student Name : Sushma A.

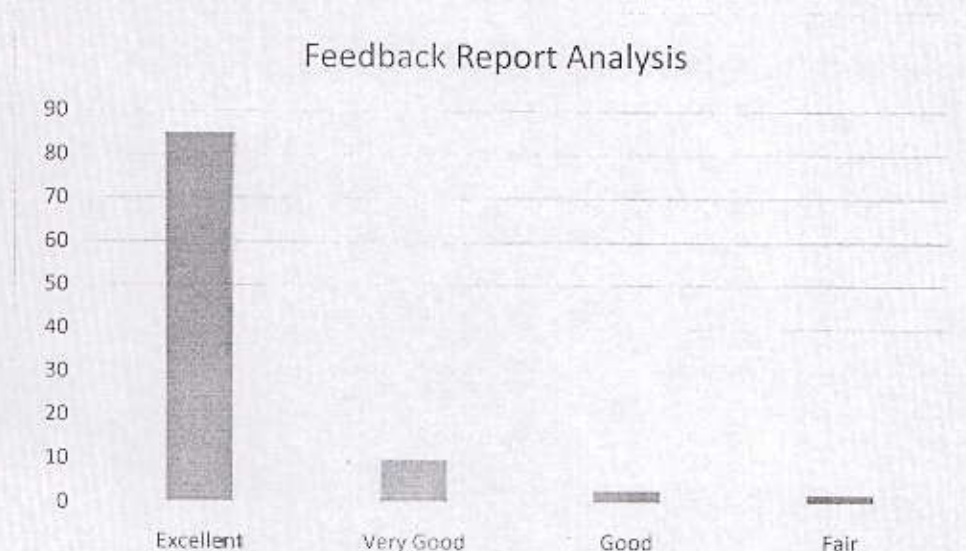
[Signature]
Student Signature:

Principal

FEEDBACK ANALYSIS-2018-2019-Odd semester

Certification Programme: "Advance Surveying Technologies using Total Station"

No. of students participated	Student Feedback			
	Excellent	Very Good	Good	Fair
129	85	10	3	2



Action Report:


85 % of students were completely happy with the certification program and 10 % of students felt it was a good program and remaining 5 % 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
Sapthagiri College of Engineering
Chikkasandra, Hesarghatta Road


HOD
HOD, Dept. of Civil Engg.
S.A.E, Bengaluru - 560 057



SAPTHAGIRI COLLEGE OF ENGINEERING

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

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

DEPARTMENT OF CIVIL ENGINEERING

REPORT ON 5 DAYS CERTIFICATE COURSE ON "ADVANCED SURVEYING TECHNOLOGIES USING TOTAL STATION"



A 5 days certificate course on "Advanced Surveying Technologies using Total Station" was conducted at Sir.M.V.Seminar Hall by department of civil engineering from 23 July 2018 to 27 July 2018 in Sapthagiri College of Engineering Bangalore. The Resource Person for the Program was Hemanth Reddy. The program was attended by all the HOD's of Sapthagiri College of Engineering and the program also Civil Students and faculties.

Master of Ceremony(MOC) for the entire program was Mrs. Navya N (Assistant Professor, Department of Civil Engineering). After self introduction of MOC, Mr. Raghavendra (Assistant Professor, Department of Civil Engineering) delivered the welcome address followed by the Pleasant Prayer song by 4th sem student Ms. Nikhila. Further Prof. Suvarna p (Head Of the Department, Department of Civil Engineering) explained us about the importance of "Advanced Surveying Technologies using 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 Hemanth Reddy. Later Mr.Hemanth Reddy 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.


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Bangalore- 560 057



After the Tea Break, the participants in and out of Sapthagiri College of Engineering and our Beloved HOD, Prof. Suvarna p assembeled at Sir.M.V.Seminar Hall for the theoretical Session.

Hemanth Reddy(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 down the further readings in the field. After a lecture of about 45minutes, 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 was 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.



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Bangalore- 560 057

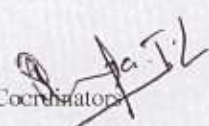
In the beginning session for day2, the students and faculties were again practising the seven steps of total station in order to ensure the perfectness. Further Mr.Hemanth Reddy practically demonstrated the 3 point traversing procedure. He also explained us how to enter the readings obtained from 3 point 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.



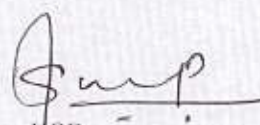
In the beginning session for day3, the students and faculties were again practising the seven steps of total station in order to ensure the perfectness. Further Mr.Hemanth Reddy practically demonstrated the 3 point traversing procedure. He also explained us how to enter the readings obtained from 3 point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

In the morning session of day5, the students and faculties practised what was taught on day4. Post lunch break after few more practice, all the participants were asked to again gather at Sir.M.V Seminar Hall. Our beloved HOD, Prof. Suvarna p thanked the resource person Hemanth Reddy 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 Hemanth Reddy. Due to the refreshments and accommodation arrangements made by our HOD and due to the impartial delivery of the practical knowledge by Hemanth Reddy 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


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


HOD





Sapthagiri College of Engineering

Bangalore-560057

Certificate

This is to Certify that Mr./Ms. ANIL KUMAR REDDY
of CIVIL ENGINEERING has participated
and successfully completed Five days Certification Course on
"Advance Surveying Technologies using Total Station" from 23 July 2018 to
27 July 2018 organized by the Department of Civil Engineering,
Sapthagiri College of Engineering.


HOD, Dept of Civil


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Bangalore-560057


Principal

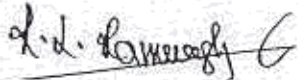


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Certificate

This is to Certify that Mr./Ms. ANJANA JAGADEESH
of CIVIL ENGINEERING has participated
and successfully completed Five days Certification Course on
"Advance Surveying Technologies using Total Station" from 23 July 2018 to
27 July 2018 organized by the Department of Civil Engineering,
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HOD, Dept of Civil


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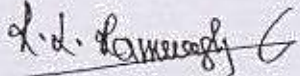



Sapthagiri College of Engineering

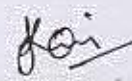
Bangalore-560057

Certificate

This is to Certify that Mr./Ms. ASLAM IDRISH
of CIVIL ENGINEERING has participated
and successfully completed Five days Certification Course on
"Advance Surveying Technologies using Total Station" from 23 July 2018 to
27 July 2018 organized by the Department of Civil Engineering,
Sapthagiri College of Engineering.


HOD, Dept of Civil


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Sapthagiri College of Engineering
Chikkasandra, Hosuraghatta Road
Bangalore-560057


Principal



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Bangalore-560057

Certificate

This is to Certify that Mr./Ms. _____

of _____ has participated
and successfully completed Five days Certification Course on
"Advance Surveying Technologies using Total Station" from 23 July 2018 to
27 July 2018 organized by the Department of Civil Engineering,
Sapthagiri College of Engineering.


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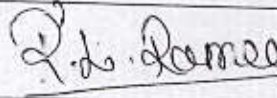
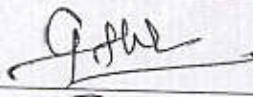



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Department of Civil Engineering

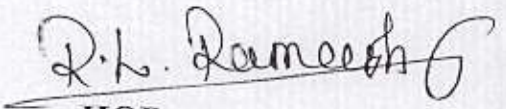
18-01-2019

CIRCULAR

This is to inform that the following Curriculum Board members are requested to attend the meeting on 18/01/2019 at 10.30AM in the HODs chamber to decide the Even semester syllabus and the lesson plan for the certification program on "Surveying Technologies using Total Station."

Sl No.	Faculty Name	Designation	Signature
1	Dr. R L Ramesh	HOD	
2	Prof. Geetha T S	Assistant Professor	
3	Prof. Pramod K R	Assistant Professor	
4	Prof. Krupa T L	Assistant Professor	
5	Prof. Raghavendra R	Assistant Professor	


Principal
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Bangalore- 560 057


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

Date: 17-01-2019

To,

Er. Hemanth Reddy, S
Chief Executive
Sir M V Institute of Engineering Skills
Bangalore

Respected Sir,

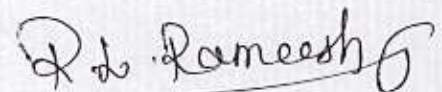
Subject: Invitation as a "Guest Speaker" in certification program and to attend meeting to discuss about the certification program

Department of Civil Engineering have planned in even semester to conduct a certification program titled "Surveying Technologies using Total Station" for 2nd and 4th semester students from 21-01-2019 to 25-01-2019. 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 18/01/2019 at 10:00AM in the HOD Chamber. We look forward to welcome you at SCE.

Thanking you

Yours faithfully



HOD

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



Principal

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

Minutes of Meeting

A meeting was conducted on 10-01-2019 in Civil HoD's Chamber to discuss and approve the following about the 5 days Certification Course for 2nd and 4th semester Civil Students in Even semester.

- **Course Title** : "Surveying Technologies using Total Station"
- **Resource Personnel** : Er. Hemanth Reddy. S, Chief Executive, Sir M V Institute of Engineering Skills, Bangalore
- **Course Duration & Date** : 5 Days from 21-01-2019 to 25-01-2019
- **Course Content** :

Dates	SESSION 1 (9:00AM TO 12:00PM)	SESSION 2 Hands on Session (1:30PM TO 4:30PM)	No. of Hours
21/1/2019	<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
22/1/2019	<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
23/1/2019	<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
24/1/2019	<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
25/1/2019	<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

Principal

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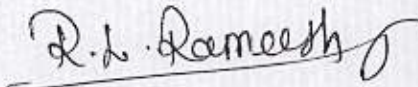
Fax: 080-28372797

Department of Civil Engineering

The following members were present in the meeting and the syllabus and lesson plan for the certification program has been decided.

Sl No.	Faculty Name	Designation	Signature
1	Dr. R L Ramesh	HOD	R.L. Ramesh
2	Prof. Geetha T S	Assistant professor	Geetha
3	Prof. Pramod K R	Assistant professor	Pramod
4	Prof. Krupa T L	Assistant professor	Krupa
5	Prof. Raghavendra R	Assistant professor	Raghavendra
6	Er. Hemanth Reddy. S	Guest Speaker	Hemanth


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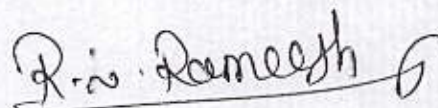
Fax: 080-28372797

Department of Civil Engineering

NOTICE

As a part of programming skill development Department of Civil Engineering is conducting Five days Certification Course on **“Surveying Technologies using Total Station”** from 21-01-2019 to 25-01-2019. All the 7th and 5th semester civil students must attend the course compulsorily.

Venue: sir M V Seminar hall CIVIL BLOCK



Signature of HoD

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



Principal

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Fax: 080-28372797

Department of Civil Engineering

Academic year 2018-2019-Even semester

CERTIFICATION COURSE: "Surveying Technologies using Total Station"

Sl. No	USN	Name of the student	Sl.No	USN	Name of the student
1	ISG17CV001	Aftaab Ahamed M Damani	42	ISG17CV050	Usha S P
2	ISG17CV002	Akshay C J	43	ISG17CV051	Vinay Kumar
3	ISG17CV003	Anusha S	44	ISG17CV052	Vyshak .R.
4	ISG17CV004	Ashwini S R	45	ISG17CV053	Yashaswi Y S
5	ISG17CV007	Chiranth M	46	ISG17CV054	Yashik .A.
6	ISG17CV008	Darshan N S	47	ISG17CV055	Zeeshan Yousuf
7	ISG17CV009	Darshan Gowda B K	48	ISG18CV400	Anirudhhachar Kirnal
8	ISG17CV010	Devaraju M B	49	ISG18CV401	Ankith Kumar B
9	ISG17CV011	Dinakar Reddy	50	ISG18CV402	Archana R
10	ISG17CV012	Geetha B N	51	ISG18CV403	Charan P
11	ISG17CV013	Hammad Maroof Imdadi	52	ISG18CV404	Divya V
12	ISG17CV014	Harsha R	53	ISG18CV405	Girisha M C
13	ISG17CV015	Harsha V	54	ISG18CV406	Hemanth Kuma Rk
14	ISG17CV016	Harshith .R.	55	ISG18CV407	Likitha K
15	ISG17CV017	Harshitha K Gowda	56	ISG18CV408	Manjunath Gowda H
16	ISG17CV018	Harshitha R	57	ISG18CV409	Mohin
17	ISG17CV019	Harshitha R P	58	ISG18CV410	Nandini N
18	ISG17CV020	Hemalatha S S	59	ISG18CV411	Naveen R
19	ISG17CV021	J Suraj	60	ISG18CV412	Pavan Kumar G S
20	ISG17CV022	Jayki Kishan Sah	61	ISG18CV413	Sharath Kumar F
21	ISG17CV023	K S Darshan	62	ISG18CV414	Suma R
22	ISG17CV024	Kiran Bandiwaddar	63	ISG18CV415	Sumanth C
23	ISG17CV025	Likhitha G K	64	ISG18CV416	Taiba Taj
24	ISG17CV031	Nayana M K	65	ISG18CV417	Tejesh R
25	ISG17CV032	Nikila R	66	ISG18CV418	Usha K
26	ISG17CV033	Nisarga J V	67	ISG18CV001	Abhishek G A
27	ISG17CV034	Nithin .H.	68	ISG18CV002	Abhishek M V
28	ISG17CV035	Pooja B	69	ISG18CV003	Abhishek Mohan
29	ISG17CV036	Prajwal H C	70	ISG18CV004	Abhishek R
30	ISG17CV037	Prajwal R	71	ISG18CV005	Adhya N K
31	ISG17CV038	Prathapa Gowda H B	72	ISG18CV006	Akshath Gowda N K
32	ISG17CV039	Prathiksha S	73	ISG18CV007	Ananya S
33	ISG17CV040	Purushothama	74	ISG18CV008	Ankith K C
34	ISG17CV042	Santahosh Mulawad	75	ISG18CV009	Bharath P
35	ISG17CV043	Shashidhar .A.H.	76	ISG18CV010	Brinda P
36	ISG17CV044	Shreejith S	77	ISG18CV011	Chandana M
37	ISG17CV045	Sudha .B.R.	78	ISG18CV012	Danish Akoljani
38	ISG17CV046	Suhail Ahmad Chorisaz	79	ISG18CV013	Darshan N
39	ISG17CV047	Sushma .N.L.	80	ISG18CV014	Dhruva Kumar D L
40	ISG17CV048	Tarun N	81	ISG18CV015	Dilip K S
41	ISG17CV049	Tejas G V	82	ISG18CV016	Divya K

Principal

83	ISG18CV017	Ganavi N	107	ISG18CV043	Ravi Kumar
84	ISG18CV018	Gangadevi S	108	ISG18CV044	Rekha M
85	ISG18CV019	Geetha N	109	ISG18CV045	Renukaprasad T
86	ISG18CV020	Girish M	110	ISG18CV047	Sanjay Sharma S
87	ISG18CV021	Gurucharana Reddy P S	111	ISG18CV048	Sharath C Patil
88	ISG18CV022	Hanumantharaja S C	112	ISG18CV049	Shiva Prasad V
89	ISG18CV023	Harshitha R	113	ISG18CV050	Shwetha R
90	ISG18CV024	Ishaque Ahmed K M	114	ISG18CV051	Sindhu C
91	ISG18CV025	Kavya Shree S	115	ISG18CV052	Sindhu H S
92	ISG18CV026	Khalid Maqsood Mir	116	ISG18CV053	Sowmya K V
93	ISG18CV027	Kiran H D	117	ISG18CV054	Sunil Yadav D S
94	ISG18CV029	Madhusudhan B S	118	ISG18CV055	Sushma M
95	ISG18CV030	Mayur K	119	ISG18CV056	Tejas N
96	ISG18CV031	Meghana T S	120	ISG18CV057	Tejas S Ram
97	ISG18CV032	Naveen Gowda K R	121	ISG18CV058	Tejashwini S D
98	ISG18CV034	Parinitha J	122	ISG18CV059	Thunga B K
99	ISG18CV035	Pooja S	123	ISG18CV060	Tilak H S
100	ISG18CV036	Poshitha A V	124	ISG18CV061	Vaishnavi S Yadav
101	ISG18CV037	Pragathi R	125	ISG18CV062	Vinay R
102	ISG18CV038	Prajwal S	126	ISG18CV063	Vivek Vidyadhar Hegde
103	ISG18CV039	Priyadarshini P	127	ISG18CV064	Yashas M
104	ISG18CV040	Pruthvi Raj S	128	ISG18EC072	Prajwal S Gowda
105	ISG18CV041	Pushpalatha H R	129	ISG18EC121	Yashwanth T P
106	ISG18CV042	Rahul H J	130	ISG18EC124	Yashwanth T P <i>Sahin.</i>

Coordinators

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Department of Civil Engineering

Academic year 2018-2019 - Ist Sem.

CERTIFICATION COURSE: "Surveying Technologies using Total Station"

Sl. No	USN	Name of the student	21/01/2019		22/01/2019		23/01/2019		24/01/2019		25/01/2019	
			M/S	A/S	M/S	A/S	M/S	A/S	M/S	A/S	M/S	A/S
1	ISG15CV027	Mancj K	A	1	2	3	4	5	6	7	8	9
2	ISG15CV056	Supreeth S	A	1	A	2	3	4	5	6	A	7
3	ISG16CV063	Rasool A	A	1	2	3	4	5	5	7	8	9
4	ISG17CV001	Aftaab Ahamed M Damani	A	1	2	3	4	5	6	7	8	9
5	ISG17CV002	Akshay C J	A	1	2	3	4	5	6	7	8	A
6	ISG17CV003	Anusha S	1	2	3	4	5	6	7	8	9	10
7	ISG17CV004	Ashwini S R	1	2	3	4	5	6	7	8	9	10
8	ISG17CV007	Chiranth M	A	1	2	A	3	4	5	6	7	8
9	ISG17CV008	Darshan N S	A	1	2	3	4	5	6	7	8	9
10	ISG17CV009	Darshan Gowda B K	A	1	2	3	4	5	6	A	7	8
11	ISG17CV010	Devaraju M B	A	1	2	3	4	5	6	7	8	9
12	ISG17CV011	Dinakar Reddy	A	1	2	3	4	5	6	7	8	9
13	ISG17CV012	Geetha B N	1	2	3	4	5	A	6	7	8	9
14	ISG17CV013	Hamad Maroof Imdadi	A	1	2	3	4	5	6	7	8	9
15	ISG17CV014	Harsha R	A	1	2	3	4	5	6	7	8	9
16	ISG17CV015	Harsha V	1	2	3	4	5	6	7	8	9	10
17	ISG17CV016	Harshith .R.	A	1	2	3	A	4	5	6	7	8
18	ISG17CV017	Harshitha K Gowda	1	2	3	4	5	6	7	8	9	10
19	ISG17CV018	Harshitha R	1	2	3	4	5	6	7	8	9	10
20	ISG17CV019	Harshitha R P	1	2	3	4	5	6	7	8	9	10
21	ISG17CV020	Hemalatha S S	1	2	3	4	5	6	7	8	9	10
22	ISG17CV021	J Suraj	A	1	A	2	3	4	5	6	7	8
23	ISG17CV022	Jayki Kishan Sah	A	1	2	3	4	5	6	7	8	9
24	ISG17CV023	K S Darshan	A	1	2	3	4	5	6	7	8	9
25	ISG17CV024	K ran Bandiwaddar	1	2	3	4	5	6	7	8	A	9
26	ISG17CV025	Likitha G K	1	2	3	A	4	5	6	7	8	9

27	ISG17CV031	Nayana M K	1	2	3	4	5	6	7	8	9	10
28	ISG17CV032	Nikila R	1	2	3	4	5	6	7	8	A	9
29	ISG17CV033	Nisarga J V	1	2	3	4	5	6	7	8	9	10
30	ISG17CV034	Nithin .H.	1	2	3	4	5	6	7	8	9	10
31	ISG17CV035	Pooja B	1	2	3	4	5	6	7	8	9	10
32	ISG17CV036	Prajwal H C	A	1	2	3	4	5	6	7	8	9
33	ISG17CV037	Prajwal R	1	2	3	4	5	6	7	A	8	9
34	ISG17CV038	Prathapa Gowda H B	1	2	3	4	5	6	7	8	9	10
35	ISG17CV039	Prathiksha S	1	2	3	4	5	6	7	8	9	10
36	ISG17CV040	Purushothama	1	2	3	4	5	6	7	8	9	10
37	ISG17CV042	Santosh M Lalwad	1	2	3	4	5	6	7	8	9	10
38	ISG17CV043	Shashidhar .A.H.	1	2	3	4	5	6	7	8	9	10
39	ISG17CV044	Shreejith S	1	2	3	4	5	6	7	8	9	10
40	ISG17CV045	Sudha .B.R.	1	2	3	4	5	6	7	8	9	10
41	ISG17CV046	Suhail Ahmad Chorisaz	A	1	2	3	4	5	A	6	7	8
42	ISG17CV047	Sushma .N.L.	A	1	2	3	4	5	6	7	8	9
43	ISG17CV048	Tarun N	1	2	3	4	5	6	7	8	9	10
44	ISG17CV049	Tejas G V	A	1	2	3	4	5	6	7	8	9
45	ISG17CV050	Usha S P	1	2	3	4	5	6	7	8	9	A
46	ISG17CV051	Vinay Kumar	A	1	2	3	4	5	6	7	8	9
47	ISG17CV052	Vyshak .R.	A	1	2	3	4	5	6	7	8	9
48	ISG17CV053	Yashaswi Y S	1	2	3	4	5	6	7	8	9	10
49	ISG17CV054	Yashik .A.	1	2	3	4	A	5	6	7	8	9
50	ISG17CV055	Zeeshan Yousuf	A	1	2	3	4	5	6	7	8	9
51	ISG18CV430	Anirudhachar Kinnal	A	1	2	3	4	5	6	7	8	9
52	ISG18CV431	Ankith Kumar B	A	1	2	3	4	5	6	7	8	9
53	ISG18CV432	Archana R	1	2	3	4	5	6	A	7	8	9
54	ISG18CV433	Charan P	1	2	3	4	5	6	7	8	9	10
55	ISG18CV434	Divya V	1	2	3	4	5	6	7	8	9	10
56	ISG18CV435	Girisha M C	1	2	3	4	5	6	7	8	9	10
57	ISG18CV436	Hemanth Kurna Rk	A	1	2	3	4	5	6	7	8	9
58	ISG18CV437	Likitha K	1	2	3	4	5	6	7	8	9	10
59	ISG18CV438	Manjunath Gowda H	1	2	3	4	5	6	7	8	9	10
60	ISG18CV439	Mohin	A	1	2	3	4	A	5	6	7	8
61	ISG18CV440	Nandini N	1	2	3	4	5	6	7	8	9	10
62	ISG18CV441	Naveen R	A	1	2	3	4	5	6	7	8	9
63	ISG18CV442	Pavan Kumar G S	1	2	3	4	5	6	7	8	A	9
64	ISG18CV443	Sharath Kumar P	A	1	2	3	4	5	6	7	8	9

65	ISG18CV414	Suma R	1	2	3	4	5	6	7	8	9	10
66	ISG18CV415	Sumanth C	A	1	2	3	4	5	6	7	A	8
67	ISG18CV416	Taiba Taj	1	2	3	4	5	6	7	8	9	10
68	ISG18CV417	Tejesh R	1	2	3	A	4	5	6	7	8	9
69	ISG18CV418	Usha K	1	2	3	4	5	6	7	8	9	10
70	ISG18CVC01	Abhishek G A	1	2	3	4	5	6	A	7	8	9
71	ISG18CVC02	Abhishek M V	1	2	3	4	5	6	7	8	9	10
72	ISG18CVC03	Abhishek Mohan	1	2	3	4	5	6	7	8	9	10
73	ISG18CV004	Abhishek R	A	1	2	3	4	5	6	7	8	9
74	ISG18CV005	Adhya N K	1	2	3	4	5	6	7	8	9	10
75	ISG18CV006	Akshath Gowda N K	1	2	3	4	5	6	7	8	9	10
76	ISG18CV007	Ananya S	1	2	3	4	5	A	6	7	A	8
77	ISG18CV008	Ankith K C	1	2	3	4	5	6	7	8	9	10
78	ISG18CV009	Bharath P	1	2	3	4	5	6	7	8	9	10
79	ISG18CV010	Brinda P	1	2	A	3	A	4	5	6	7	8
80	ISG18CV011	Chandana M	1	2	3	4	5	6	7	8	9	10
81	ISG18CV012	Danish Akoijam	A	1	2	3	4	5	6	7	8	9
82	ISG18CV013	Darshan N	A	1	2	3	4	5	6	7	8	9
83	ISG18CV014	Dhruva Kumar D L	1	2	3	4	5	6	7	8	9	10
84	ISG18CV015	Dilip K S	1	2	3	4	5	6	7	8	9	10
85	ISG18CV016	Divya K	1	2	3	4	5	A	6	7	8	9
86	ISG18CV017	Ganavi N	1	2	A	3	4	5	6	7	8	9
87	ISG18CV018	Gangadevi S	1	2	3	4	5	6	7	8	9	10
88	ISG18CV019	Geetha N	1	2	3	4	5	6	7	8	9	10
89	ISG18CV020	Girish M	1	2	3	4	5	6	7	8	9	10
90	ISG18CV021	Gurucharana Reddy P S	A	1	2	3	4	5	6	A	7	8
91	ISG18CV022	Hanumantharaja S C	1	2	3	A	4	5	6	7	8	9
92	ISG18CV023	Harshitha R	1	2	3	4	5	6	7	8	9	10
93	ISG18CV024	Ishaque Ahmed K M	1	2	3	4	5	6	7	8	9	10
94	ISG18CV025	Kavya Shree S	1	2	3	4	A	5	6	7	8	9
95	ISG18CV026	Khalid Maqsood Mir	1	2	3	4	5	6	A	7	8	9
96	ISG18CV027	Kiran H D	1	2	3	4	5	6	7	8	9	10
97	ISG18CV029	Madhusudhan B S	1	2	3	4	5	6	7	8	9	10
98	ISG18CV030	Mayur K	A	1	2	3	4	5	6	A	7	8
99	ISG18CV031	Meghana T S	1	2	3	4	A	5	6	7	8	9
100	ISG18CV032	Naveen Gowda K R	A	1	2	3	4	5	6	7	A	8
101	ISG18CV034	Parinitha J	1	2	3	4	5	6	7	8	9	10
102	ISG18CV035	Pooja S	1	2	3	4	5	6	7	8	9	10

103	1SG18CV036	Foshitha A V	1	2	3	4	5	6	7	8	9	10
104	1SG18CV037	Pragathi R	1	2	3	4	5	6	7	8	9	10
105	1SG18CV038	Prajwal S	1	2	3	4	5	6	7	8	9	10
106	1SG18CV039	Priyadarshini P	1	2	3	4	5	6	7	8	9	
107	1SG18CV040	Pruthvi Raj S	1	2	3	4	5	6	7	8	9	10
108	1SG18CV041	Pushpalatha H R	1	2	3	4	5	6	7	8	9	10
109	1SG18CV042	Rahul H J	1	2	3	4	5	6	7	8	9	
110	1SG18CV043	Ravi Kumar	1	2	3	4	5	6	7	8	9	10
111	1SG18CV044	Rekha M	1	2	3	4	5	6	7	8	9	10
112	1SG18CV045	Renukaprasad T	1	2	3	4	5	6	7	8	9	10
113	1SG18CV047	Sanjay Sharma S	1	2	3	4	5	6	7	8	9	10
114	1SG18CV048	Sharath C Patil	1	2	3	4	5	6	7	8	9	
115	1SG18CV049	Shiva Prasad V	1	2	3	4	5	6	7	8	9	10
116	1SG18CV050	Shwetha R	1	2	3	4	5	6	7	8	9	10
117	1SG18CV051	Sindhu C	1	2	3	4	5	6	7	8	9	10
118	1SG18CV052	Sindhu H S	1	2	3	4	5	6	7	8	9	
119	1SG18CV053	Sowmya K V	1	2	3	4	5	6	7	8	9	10
120	1SG18CV054	Sunil Yadav D S	1	2	3	4	5	6	7	8	9	10
121	1SG18CV055	Sushma M	1	2	3	4	5	6	7	8	9	10
122	1SG18CV056	Tejas N	1	2	3	4	5	6	7	8	9	
123	1SG18CV057	Tejas S Ram	1	2	3	4	5	6	7	8	9	10
124	1SG18CV058	Tejashwini S D	1	2	3	4	5	6	7	8	9	10
125	1SG18CV059	Thunga B K	1	2	3	4	5	6	7	8	9	10
126	1SG18CV060	Tilak H S	1	2	3	4	5	6	7	8	9	10
127	1SG18CV061	Vaishnavi S Yadav	1	2	3	4	5	6	7	8	9	10
128	1SG18CV062	Vinay R	1	2	3	4	5	6	7	8	9	10
129	1SG18CV063	Vivek Vidyadhar Hegde	1	2	3	4	5	6	7	8	9	10
130	1SG18CV064	Yashas M	1	2	3	4	5	6	7	8	9	
131	1SG18EC072	Prajwal S Gowda	1	2	3	4	5	6	7	8	9	
132	1SG18EC121	Yashwanth T P	1	2	3	4	5	6	7	8	9	
133	1SG18EC121	Yashwanth T P	1	2	3	4	5	6	7	8	9	
Signature of Resource Personnel												

Coordinators

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Prof. KRUPA T L

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DEPARTMENT OF CIVIL ENGINEERING

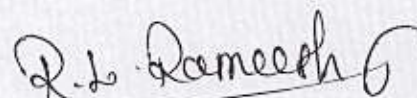
5 Days Certification Course on "Surveying Technologies using Total Station"

Test Time Table-Even semester

Sl. No.	DATE	DAY	TIMINGS
1	25/1/2019	FRIDAY	3:00 PM TO 4:00 PM



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Bangalore- 560 057



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 "Surveying Technologies using Total Station"

Question paper-2018-2019-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. How many types of EDM instruments are there based on wavelength?
a) 2 b) 4 c) 5 d) 3
2. Which of the below is used up to a range of 100km?
a) Infrared b) Microwave c) Visible range d) Ultra-violet
3. A total station is a combination of:
a) EDM and Theodolite b) Compass and EDM c) Electronic Theodolite and EDM
d) EDM and electronic Compass
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

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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

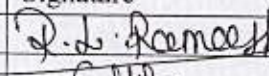





19. The size of a plane table is

- 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	Dr. R L Ramesh	HOD	
2	Prof. Geetha T S	Assistant professor	
3	Prof. Pramod K R	Assistant professor	
4	Prof. Krupa T L	Assistant professor	
5	Prof. Raghavendra R	Assistant professor	
6	Er. Hemanth Reddy. S	Guest Speaker	

Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road

HOD

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

5 Days Certificate Course on "Surveying Technologies using Total Station"

Scheme of Question paper-2018-2019-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. How many types of EDM instruments are there based on wavelength?

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

Answer: d

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

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

Answer: b

3. A total station is a combination of:

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

Answer: c

4. Which unit in total station processes data collected?

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

Answer: d

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

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

Answer: a

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

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

Answer: c

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

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

Answer: b

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

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

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Chikkasandra, Hesaraghatta Road

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: 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

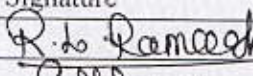





Answer: b

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

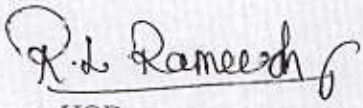
- a) +50 m, +86.6 m b) +86.6 m, -50 m c) +50 m, -86.6 m d) +70.7 m, -50 m

Answer: b

Approved by Academic Committee Members & Guest Speaker

Sl No.	Faculty Name	Designation	Signature
1	Dr. R L Ramesh	HOD	
2	Prof. Geetha T S	Assistant professor	
3	Prof. Pramod K R	Assistant professor	
4	Prof. Krupa T L	Assistant professor	
5	Prof. Raghavendra R	Assistant professor	
6	Er. Hemanth Reddy. S	Guest Speaker	


Principal
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Chikkasandra, Hesaraghatta Road
Bangalore-560 057


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 "Surveying Technologies using Total Station"


Participant Feedback-2018-2019-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:

Good course got knowledge.

Student Name :

Geetha B.N

Student Signature: 

5 Days Certificate Course on "Surveying Technologies using Total Station"

Participant Feedback-2018-2019-Even semester

1. How was the overall organization of the Certification Course ?
a) Poor b) Satisfactory c) Good d) ☒ Excellent
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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:

Nice course and Explanation is
satisfactory

Student Name :

Harsha. V

Student Signature:

Harsha. V

5 Days Certificate Course on "Surveying Technologies using Total Station"

Participant Feedback-2018-2019-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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6. How do you rate the Certification Course compared to other workshops that you have attended ?
a) Poor b) Satisfactory c) Good d) Excellent
7. Generally how was your overall experience during the Certification Course
a) Poor b) Satisfactory c) Good d) Excellent
8. Any Suggestions:

Good course got so many information
about Total Station, need in deep about
the Instrument still.

Student Name : Hemalatha. S. S.


Student Signature:

5 Days Certificate Course on "Surveying Technologies using Total Station"

Participant Feedback-2018-2019-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~~
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5. Topic and contents of the Certification Course
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6. How do you rate the Certification Course compared to other workshops that you have attended ?
a) Poor b) Satisfactory c) Good d) ~~Excellent~~
7. Generally how was your overall experience during the Certification Course
a) Poor b) Satisfactory c) Good d) ~~Excellent~~
8. Any Suggestions:

Good.

Student Name :

Likitha. G. K.

Student Signature:

Likitha. G. K.

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

5 Days Certificate Course on "Surveying Technologies using Total Station"

Participant Feedback-2018-2019-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:

Nice experience. Nice course, got so many information.

Student Name :

Prathiksha

Student Signature:

Prathiksha

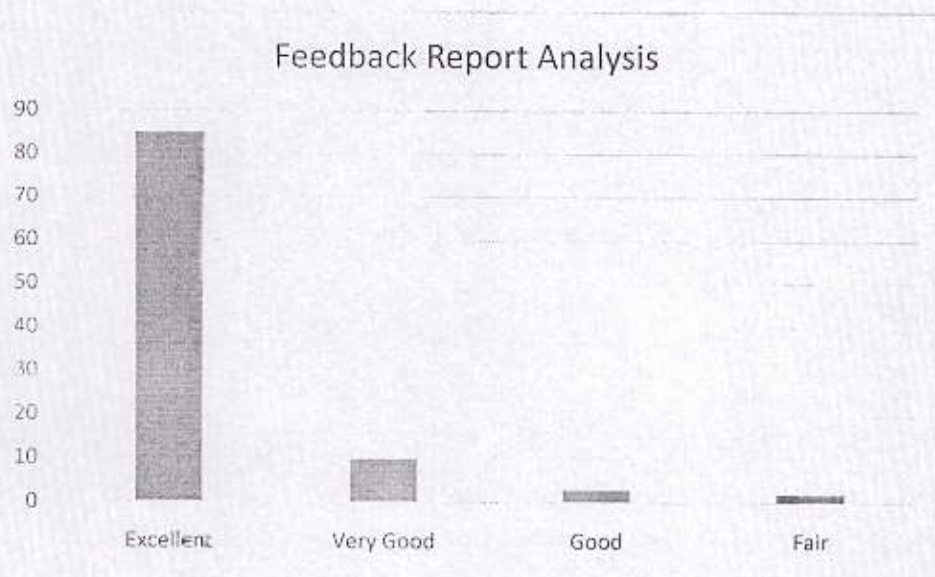
Principal

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FEEDBACK ANALYSIS-2018-2019-Even semester

Certification Programme: "Surveying Technologies using Total Station"

No. of students participated	Student Feedback			
	Excellent	Very Good	Good	Fair
133	85	10	3	2




Action Report:

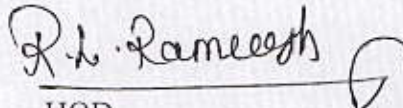
85 % of students were completely happy with the certification program and 10 % of students felt it was a good program and remaining 5 % students were satisfied with the program.

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

SAPTHAGIRI COLLEGE OF ENGINEERING

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

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

Web: www.sapthagiri.edu.in, Phone: 080-28372800/72

DEPARTMENT OF CIVIL ENGINEERING

REPORT ON 5 DAYS CERTIFICATE COURSE ON "SURVEYING TECHNOLOGIES USING TOTAL STATION"

A 5 days certificate course on "Surveying Technologies using Total Station" was conducted at Sir.M.V.Seminar Hall by department of civil engineering from 21-01-2019 to 25-01-2019 in Sapthagiri College of Engineering Bangalore. The Resource Person for the Program was Hemanth Reddy. The program was attended by all the HOD's of Sapthagiri College of Engineering and the program also 2nd and 4th 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.Rajiv (Assistant Professor, Department of Civil Engineering) delivered the welcome address followed by the Pleasant Prayer song by 4th sem student Ms.Nikhila. Further Dr.R.L.Ramesh (Head Of the Department, Department of Civil Engineering) explained us about the importance of "Advanced Surveying Technologies using 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 Hemanth Reddy. Later Mr.Hemanth Reddy 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.



(Signature)
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After the Tea Break, the participants in and out of Sapthagiri College of Engineering and our Beloved HOD, Dr.R.L.Rameshassembled at Sir.M.V.Seminar Hall for the theoretical Session.

Hemanth Reddy(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 down the further readings in the field. After a lecture of about 45minutes, 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 was 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 Mr.Hemanth Reddy 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 practice3 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 Mr.Hemanth Reddy 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 Mr.Hemanth Reddy 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.

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 Sir.M.V.Seminar Hall. Our beloved


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HOD, Dr.R.L.Ramash thanked the resource person Hemanth Reddy 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 Hemanth Reddy. Due to the refreshments and accommodation arrangements made by our HOD and due to the impartial delivery of the practical knowledge by Hemanth Reddy the certificate course received lot of positive feedback and it paved the way for participants to implement their ideas in projects in Total Station.



Coordinators

HOD

Principal

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



Sapthagiri College of Engineering

Bangalore-560057

Certificate

This is to Certify that Mr./Ms. Aftaab Ahamed M. Dammani
of Civil Engineering has participated
and successfully completed Five days Certification Course on
"Surveying Technologies using Total Station" from 21 January 2019 to 25
January 2019 organized by the Department of Civil Engineering,
Sapthagiri College of Engineering.

R.L. Rameesahy
HOD, Dept. of Civil

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

Principal



Sapthagiri College of Engineering

Bangalore-560057

Certificate

This is to Certify that Mr./Ms. Akshay C.T
of Civil Engineering has participated
and successfully completed Five days Certification Course on
"Surveying Technologies using Total Station" from 21 January 2019 to 25
January 2019 organized by the Department of Civil Engineering,
Sapthagiri College of Engineering.

R.L. Ramesh
HOD, Dept. of Civil

Principal
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Bangalore- 560 057

Principal




Sapthagiri College of Engineering

Bangalore-560057

Certificate

This is to Certify that Mr./Ms. Anusha S
of Civil Engineering has participated
and successfully completed Five days Certification Course on
"Surveying Technologies using Total Station" from 21 January 2019 to 25
January 2019 organized by the Department of Civil Engineering,
Sapthagiri College of Engineering.

R. L. Rameesh
HOD, Dept. of Civil


Principal
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Bangalore- 560 057

J. Karthi
Principal



Sapthagiri College of Engineering

Bangalore-560057

Certificate

This is to Certify that Mr./Ms. _____

*of _____ has participated
and successfully completed Five days Certification Course on
"Surveying Technologies using Total Station" from 21 January 2019 to 25
January 2019 organized by the Department of Civil Engineering,
Sapthagiri College of Engineering.*

HOD, Dept. of Civil

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Principal