



VIMAL JYOTHI ENGINEERING COLLEGE

JYOTHI NAGAR, CHEMPERI – 670632, KANNUR, KERALA

Affiliated to APJ Abdul Kalam Technological University, Approved by AICTE
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NAAC Cycle 2

Criterion: 1.2.1

Table of Content

Sl. No	Contents
1	Cover Page
2	Brochure
3	Event Proposal
3	Curriculum & Lesson Plan
4	Attendance
5	Feedback Report
6	Event Photographs
7	Sample Certificate





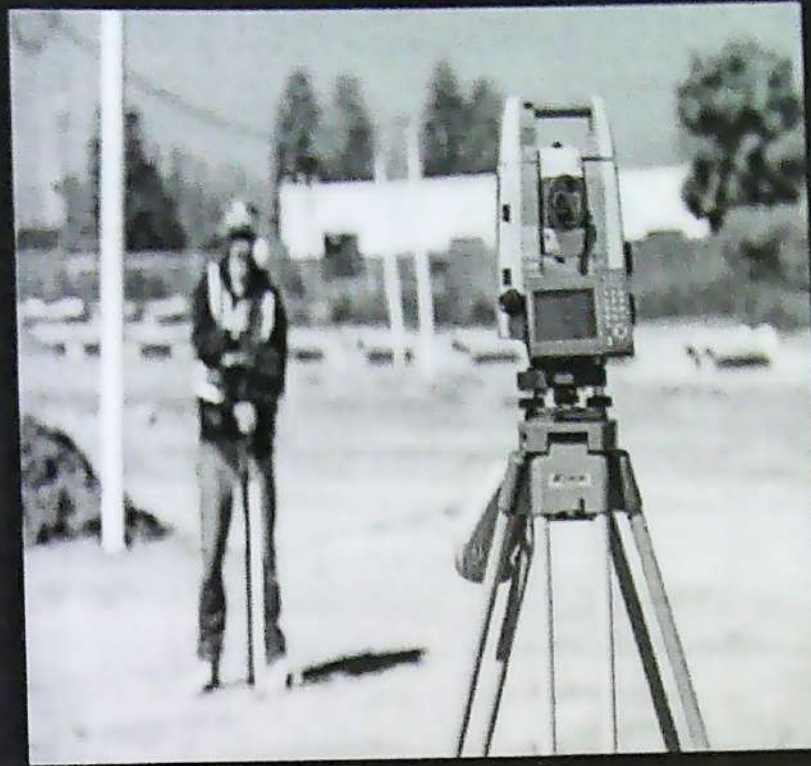
**VIMAL JYOTHI ENGINEERING COLLEGE
&
DEPARTEMENT OF CIVIL ENGINEERING**

Report on value added course

***“Hands-on Workshop on Total Station”
for***

S6 CE A (2020-24 BATCH)

VIMAL JYOTHI ENGINEERING COLLEGE



Total station workshop

*For 6th semester B.Tech
Civil engineering students
22/02/2023 to
26/02/2023*

Resource Persons:

Sanjana P (Surveying Expert)

Mudhassir M (GIS Consultant)

(ALG International Geological services private Lmt.)

Coordinators:

Ms.Anuragi P

Mr.Saneesh K

Dr.Vibhoosha M P



Event proposal - Civil Engineering

Event type and name	A hands-on workshop on "Total Station"
Tentative date	14 th February 2023 - 18 th February 2023
Participants/ audience	<u>S6 CE Students</u>
Objectives	To prepare students to use modern tools and techniques in Surveying.
Resource requirements	Mic, <u>Speaker, Total Station, Laptop.</u>
Expected outcomes	Students will be able to provide solutions to real world problems based on Surveying.
Connected PEOs/POs/COs	PO1, PO2, PO4, PO5, PO9, PO12
Resource persons	1. Rajeev k , ALG International Institution of Technology
Responsible persons	<u>Staff coordinators:</u> Ms. Anuragi P Mr. Abhijath I P Mr. Saneesh K Ms. Sigi Thomas <u>Convenor:</u> Dr. Biju Mathew Professor & Dean of Examinations.

Add-on course - S6 CEA

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authorities only,
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1. Introduction

Department of Civil engineering and conducted value added course on "**Hands-on Workshop on Total Station**" from 22nd February 2023 to 26th February 2023 (duration of 5 days). The organizers of the session were Mr. Saneesh K, Ms. Anuragi P and Dr. Vibhoosha MP and the sessions were conducted by Mrs. Neethi P Rajeev and Mr. Mudhaseer P K subject experts from ALG international. A total of 41 students who belong to Civil engineering Department of 3rd year A section attended the course for all days.

The objective of the work shop is to prepare the students to real world problems based on Surveying. The detailed study and practices using Total station enable the students to measure both vertical and horizontal angles and the slope distance from the instrument to a particular point and an on-board computer to collect data and perform triangulation calculations.

2. Curriculum and lesson Plan

Curriculum

Module I

Introduction to total station- Parts of TS, Advantages of TS, Applications of TS

Module II

Setting the total Station in the field- Creating the Folder In Total Station- Initial step in TS Survey, GPS application in TS survey, Setting the Total Station, Shifting the Total Station, Total station setting and survey.

Module III

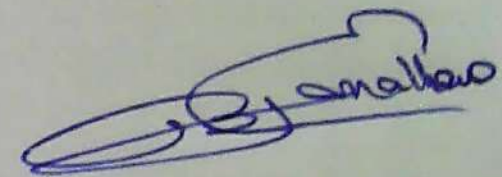
Downloading Data link software from Google- Working with TS Data, Drawing imported TS Data Canal Alignment, Overview on Data import, Drawings and Map Preparation Using TS data.

Connected PEOs/POs/Cos : PO1, PO2, PO4, PO5, PO9, PO12



Lesson Plan

Day	Plan
22/02/2023	<ul style="list-style-type: none">• Introduction to total station• Parts of TS• Advantages of TS• Applications of TS
23/02/2023	<ul style="list-style-type: none">• Setting the total Station in the field• Creating the Folder In Total Station- Initial step in TS Survey• GPS application in TS survey• Setting the Total Station• Shifting the Total Station• Total station setting and survey
24/02/2023	<ul style="list-style-type: none">• Downloading Data link software from Google• Working with TS Data• Drawing imported TS Data Canal Alignment• Overview on Data import• Drawings and Map Preparation Using TS data
25/02/2023 to 26/02/2023	<ul style="list-style-type: none">• Practical Sessions

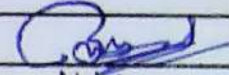


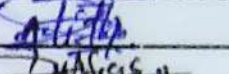
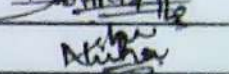


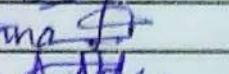

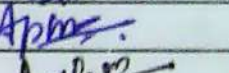

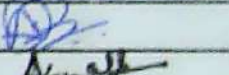


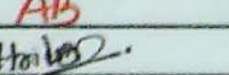
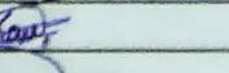

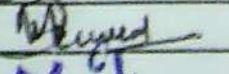


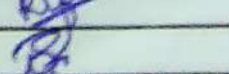
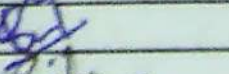




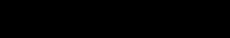


3. Participant's list

VIMAL JYOTHI ENGINEERING COLLEGE
TOTAL STATION WORKSHOP - ATTENDANCE
S6 CE- A SECTION

Sl.No.	STUDENT NAME	KTU REG.NUMBER	22.2.23	23.2.23	24.2.23	25.2.23	26.2.23
1	ABHIJITH M	VML20CE002	P	P	P	P	P
2	ABHINAV M K	VML20CE005	P	P	P	P	P
3	ABHISHEK KRISHNA A	VML20CE006	P	P	P	P	P
4	ADITHYAKUMAR MT	VML20CE007	P	P	P	P	P
5	ADITHYA RAJ	VML20CE008	P	P	P	P	P
6	AFRAS ABDULLA	VML20CE009	P	P	P	P	P
7	AISHA NUHA	VML20CE011	P	P	P	P	P
8	AKASH KV	VML20CE012	P	P	P	P	P
9	ANAKHA MARY MATHEW	VML20CE017	P	P	P	P	P
10	ANIRUDH C	VML20CE020	P	P	P	P	P
11	ANNAPURNA P	VML20CE024	P	P	P	P	P
12	ANURAG AK	VML20CE025	P	P	P	P	P
13	APARNA CHANDRAN P P	VML20CE026	P	P	P	P	P
14	APARNA MOHANAN	VML20CE028	P	P	P	P	P
15	ARCHANA K	VML20CE030	P	P	P	P	P
16	ASHUTHOSH P	VML20CE032	P	P	P	P	P
17	ASWATH DEV P NAMBIAR	VML20CE034	P	P	P	P	P
18	AYONA BIJU	VML20CE037	P	P	P	P	P
19	BASUDHA V J	VML20CE038	P	P	P	P	P
20	DEVIKA RAJ	VML20CE040	P	P	P	P	P
21	DHYAN CHANDRAN	VML20CE041	Ab	Ab	Ab	Ab	Ab
22	HRIDYA K	VML20CE046	P	P	P	P	P
23	KAVERI.K.S	VML20CE049	P	P	P	P	P
24	KIRANDEV K M	VML20CE051	P	P	P	P	P
25	MEGHA CK	VML20CE052	P	P	P	P	P
26	MUHAMMAD RIZWAN	VML20CE053	P	P	P	P	P
27	MUHAMMED MARZOOK	VML20CE055	P	P	P	P	P
28	NAVANEETH P VINOD	VML20CE056	P	P	P	P	P
29	P REVATHI	VML20CE060	P	P	P	P	P
30	RIFA	VML20CE061	P	P	P	P	P
31	SARANG A	VML20CE066	P	P	P	P	P
32	SAURAV SUNIL	VML20CE068	P	P	P	P	P
33	SEBA MATHEW	VML20CE069	P	P	P	P	P
34	SHAFNA C	VML20CE070	P	P	P	P	P
35	SHAHILA K S	VML20CE071	P	P	P	P	P
36	SURYASANKAR S	VML20CE074	P	P	P	P	P
37	TEENA JIJO	VML20CE075	P	P	P	P	P
38	THEJA DINESH	VML20CE077	P	P	P	P	P
39	VENI K	VML20CE079	P	P	P	P	P
40	VISHNUDAS P V	VML20CE081	P	P	P	P	P
41	ASWIN KRISHNA E V	LVML20CE084	P	P	P	P	P

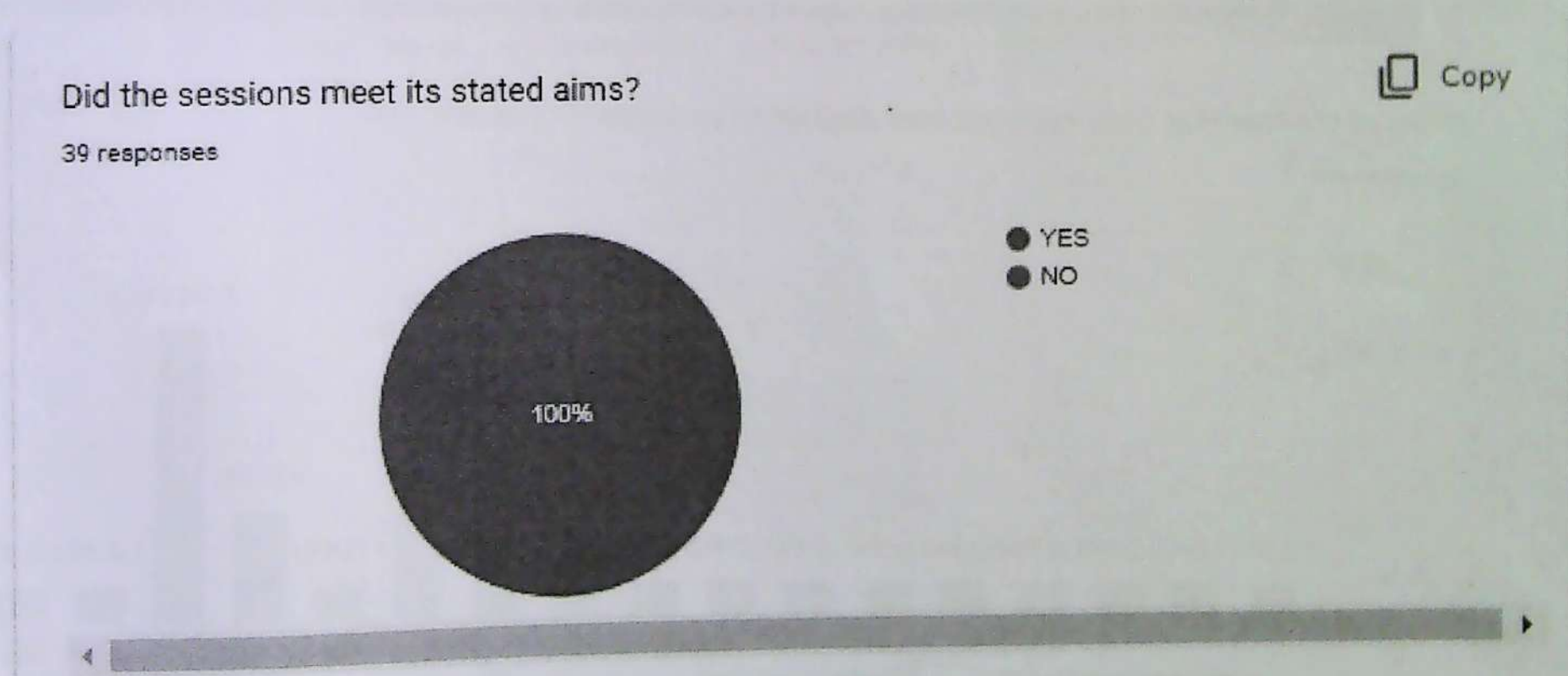
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TOTAL STATION WORKSHOP - ATTENDANCE
S6 CE- A SECTION

Sl.No.	STUDENT NAME	KTU REG.NUMBER	2/22/2023	2/23/2023	2/24/2023	2/25/2023	2/26/2023	Signature
1	ABHIJITH M	VML20CE002	P	P	P	P	P	
2	ABHINAV M K	VML20CE005	P	P	P	P	P	
3	ABHISHEK KRISHNA A	VML20CE006	P	P	P	P	P	
4	ADITHYAKUMAR MT	VML20CE007	P	P	P	P	P	
5	ADITHYA RAJ	VML20CE008	P	P	P	P	P	
6	AFRAS ABDULLA	VML20CE009	P	P	P	P	P	
7	AISHA NUHA	VML20CE011	P	P	P	P	P	
8	AKASH KV	VML20CE012	P	P	P	P	P	
9	ANAKHA MARY MATHEW	VML20CE017	P	P	P	P	P	
10	ANIRUDH C	VML20CE020	P	P	P	P	P	
11	ANNAPURNA P	VML20CE024	P	P	P	P	P	
12	ANURAG AK	VML20CE025	P	P	P	P	P	
13	APARNA CHANDRAN P P	VML20CE026	P	P	P	P	P	
14	APARNA MOHANAN	VML20CE028	P	P	P	P	P	
15	ARCHANA K	VML20CE030	P	P	P	P	P	
16	ASHUTHOSH P	VML20CE032	P	P	P	P	P	
17	ASWATH DEV P NAMBIAR	VML20CE034	P	P	P	P	P	
18	AYONA BIJU	VML20CE037	P	P	P	P	P	
19	BASUDHA V J	VML20CE038	P	P	P	P	P	
20	DEVIKA RAJ	VML20CE040	P	P	P	P	P	
21	DHYAN CHANDRAN	VML20CE041	Ab	Ab	Ab	Ab	Ab	
22	HRIDYA K	VML20CE046	P	P	P	P	P	
23	KAVERI.K.S	VML20CE049	P	P	P	P	P	
24	KIRANDEV K M	VML20CE051	P	P	P	P	P	
25	MEGHA CK	VML20CE052	P	P	P	P	P	
26	MUHAMMAD RIZWAN	VML20CE053	P	P	P	P	P	
27	MUHAMMED MARZOOK	VML20CE055	P	P	P	P	P	
28	NAVANEETH P VINOD	VML20CE056	P	P	P	P	P	
29	P REVATHI	VML20CE060	P	P	P	P	P	
30	RIFA	VML20CE061	P	P	P	P	P	
31	SARANG A	VML20CE066	P	P	P	P	P	
32	SAURAV SUNIL	VML20CE068	P	P	P	P	P	
33	SEBA MATHEW	VML20CE069	P	P	P	P	P	

34	SHAFNA C	VML20CE070	P	P	P	P	P	<i>[Signature]</i>
35	SHAHILA K S	VML20CE071	P	P	P	P	P	<i>[Signature]</i>
36	SURYASANKAR S	VML20CE074	P	P	P	P	P	<i>[Signature]</i>
37	TEENA JIJO	VML20CE075	P	P	P	P	P	<i>[Signature]</i>
38	THEJA DINESH	VML20CE077	P	P	P	P	P	<i>[Signature]</i>
39	VENI K	VML20CE079	P	P	P	P	P	<i>[Signature]</i>
40	VISHNUDAS P V	VML20CE081	P	P	P	P	P	<i>[Signature]</i>
41	ASWIN KRISHNA E V	LVML20CE084	P	P	P	P	P	<i>[Signature]</i>

4. Feedback from students

The screenshot shows a web browser window with several tabs open. The active tab is a Google Forms page titled 'Workshop on Total station - Feedback form'. The page is in the 'Responses' view, showing a list of email addresses for respondents. The list includes: thejadinesh02@gmail.com, ckmegha1208@gmail.com, 01kaveriks@gmail.com, revathipranjith925@gmail.com, sebamathew131@gmail.com, ayonabiju2019@gmail.com, suryasankars40@gmail.com, and saneeshkrish46@vjec.ac.in. Below the list, there is a status indicator 'Waiting for 1 response' and a 'Send email reminder' button. The Windows taskbar at the bottom shows the time as 10:45 AM on 11.3.21, with a weather forecast of 23°C Sunny.



Can you use what you have learnt in your role?

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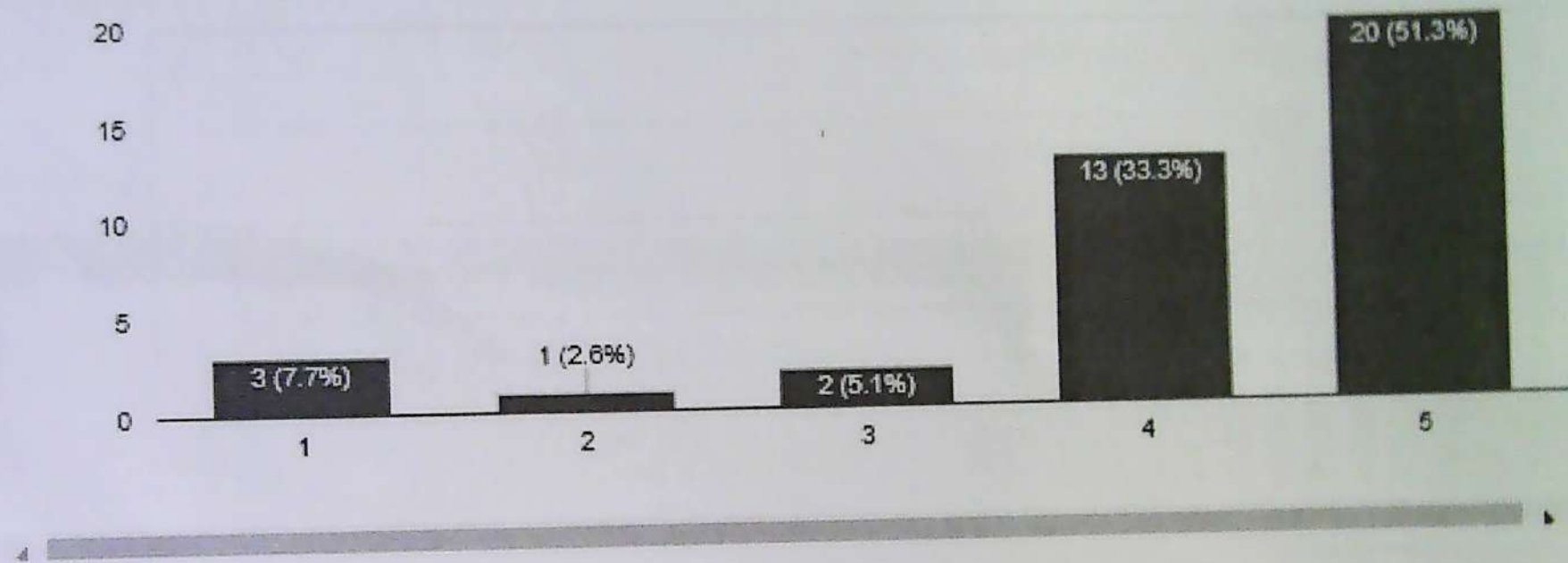
39 responses



Effectiveness of practical exercise

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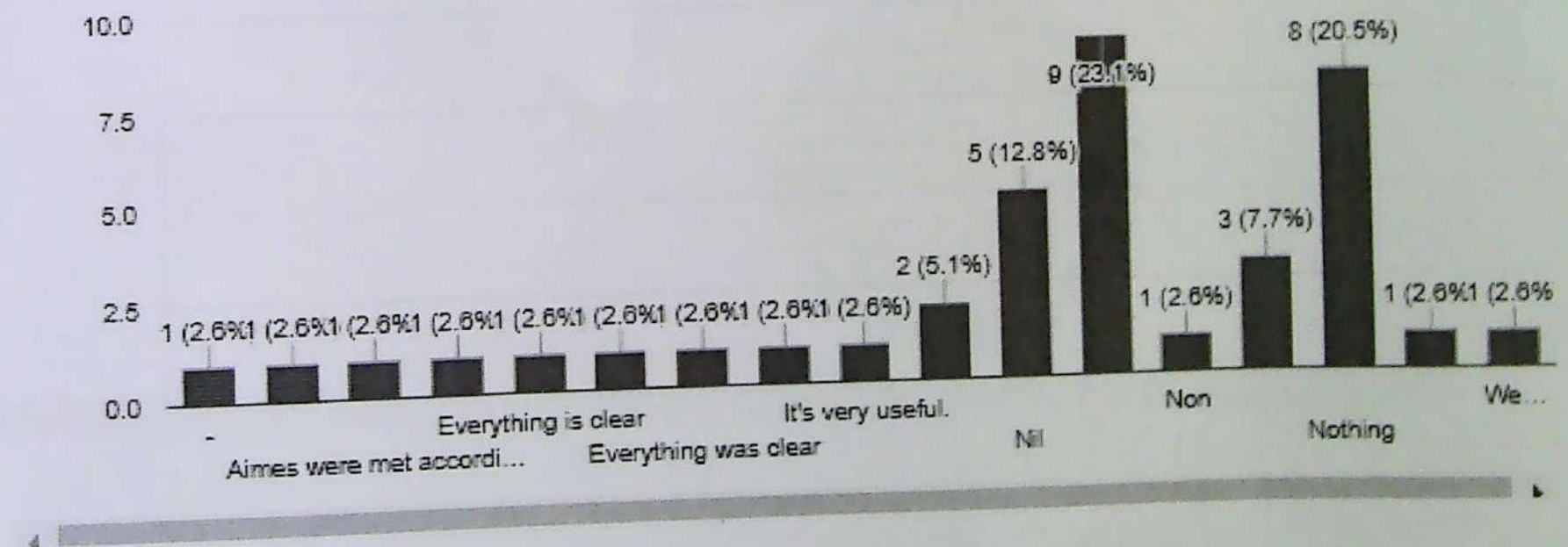
39 responses



If any of the learning aims were not met, explain in your own words why not

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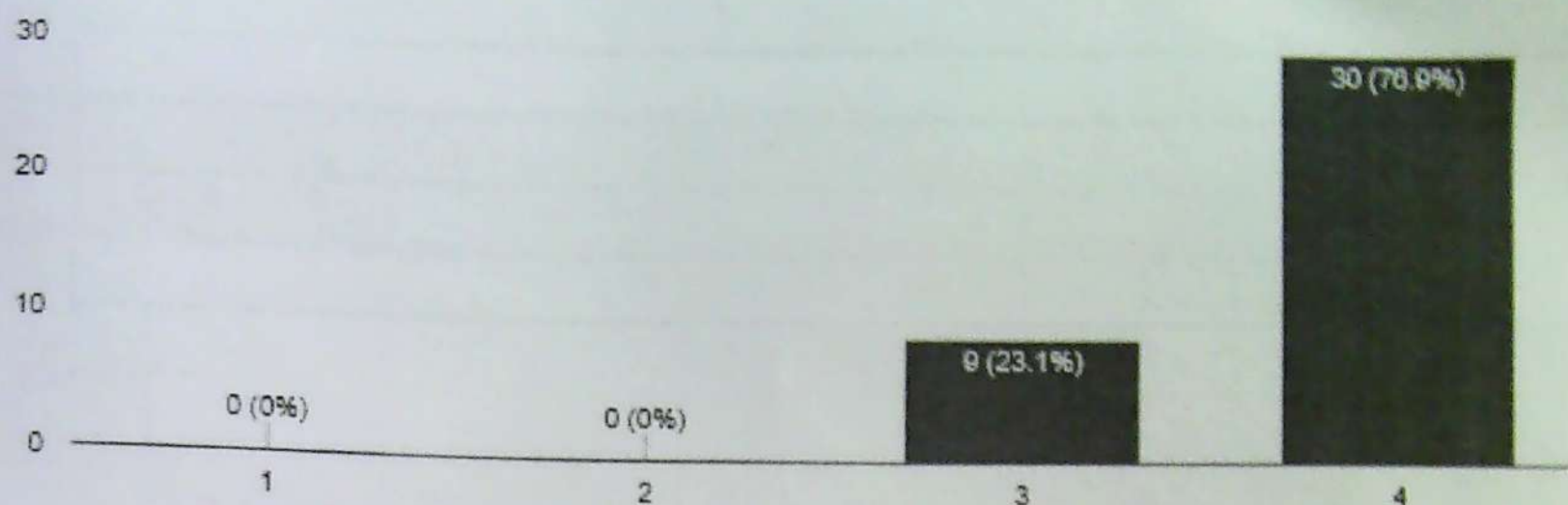
39 responses




How helpful was the training ?

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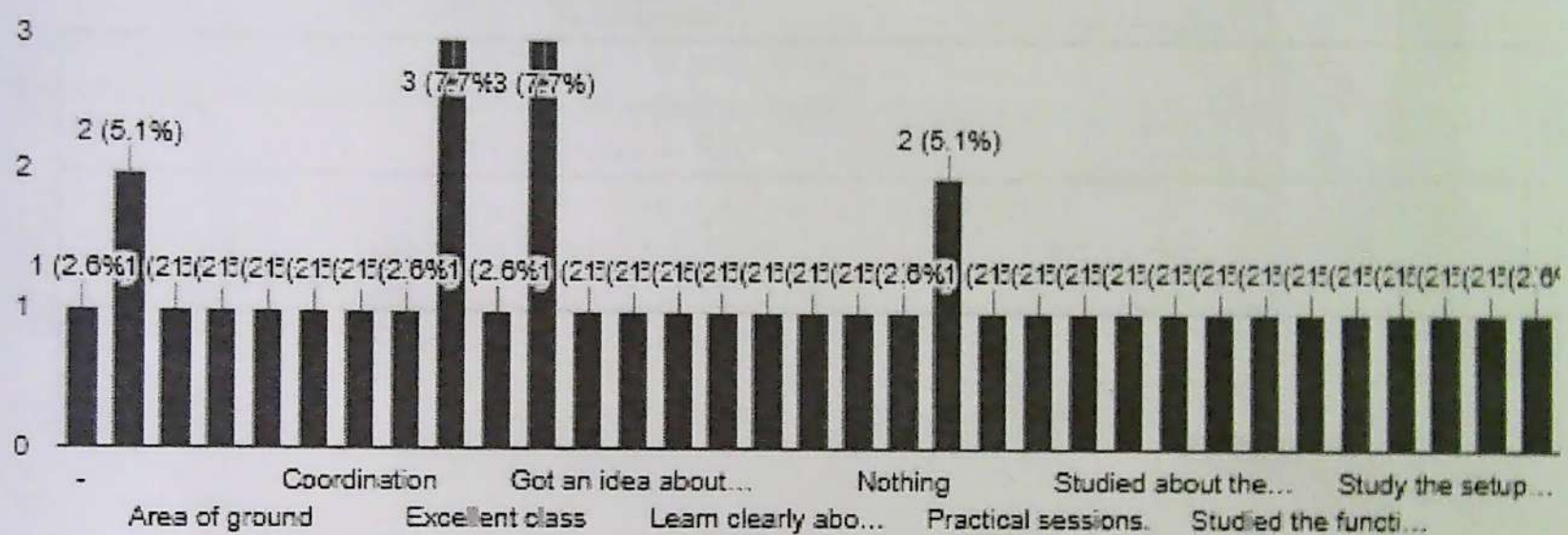
39 responses



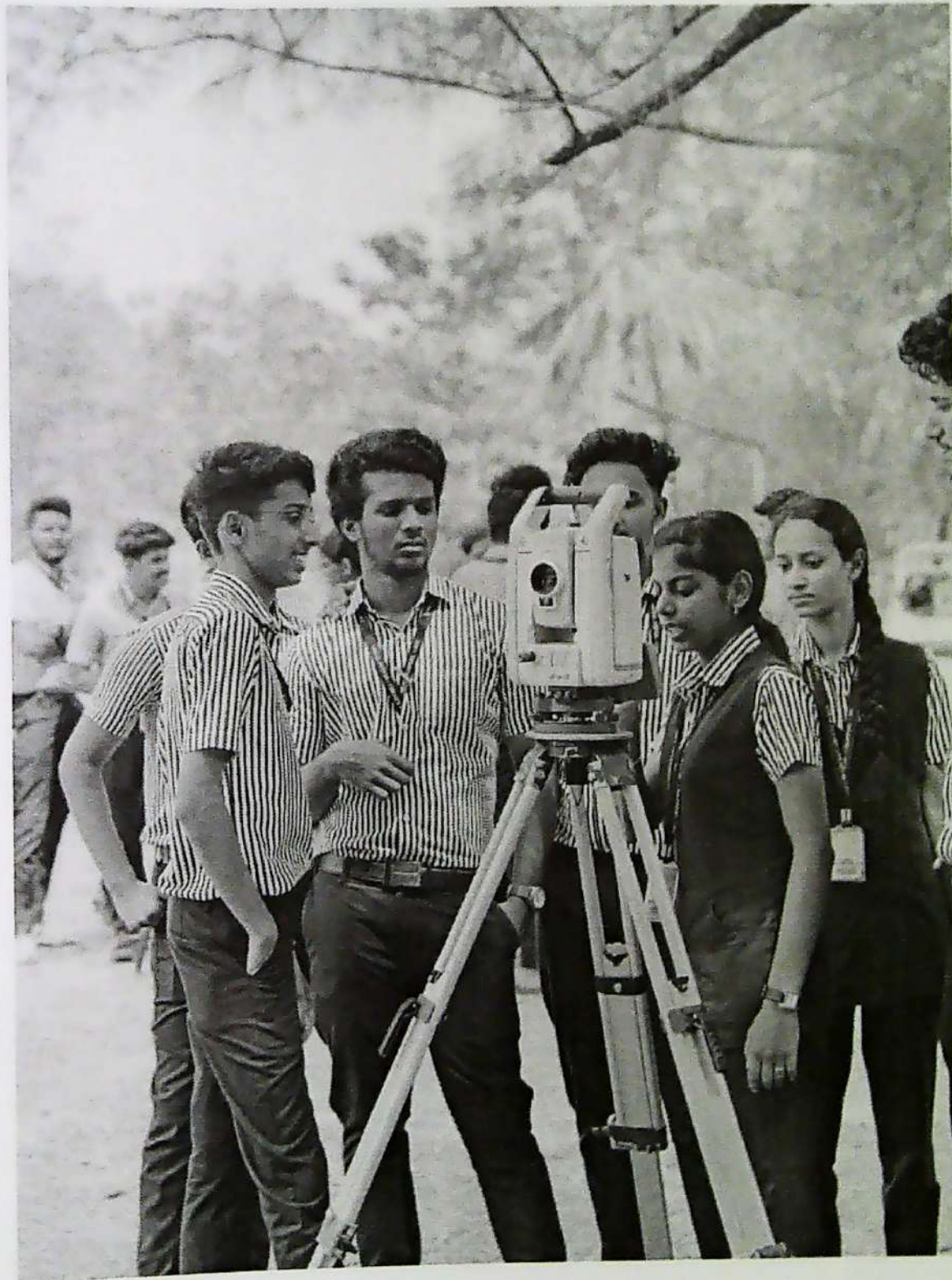
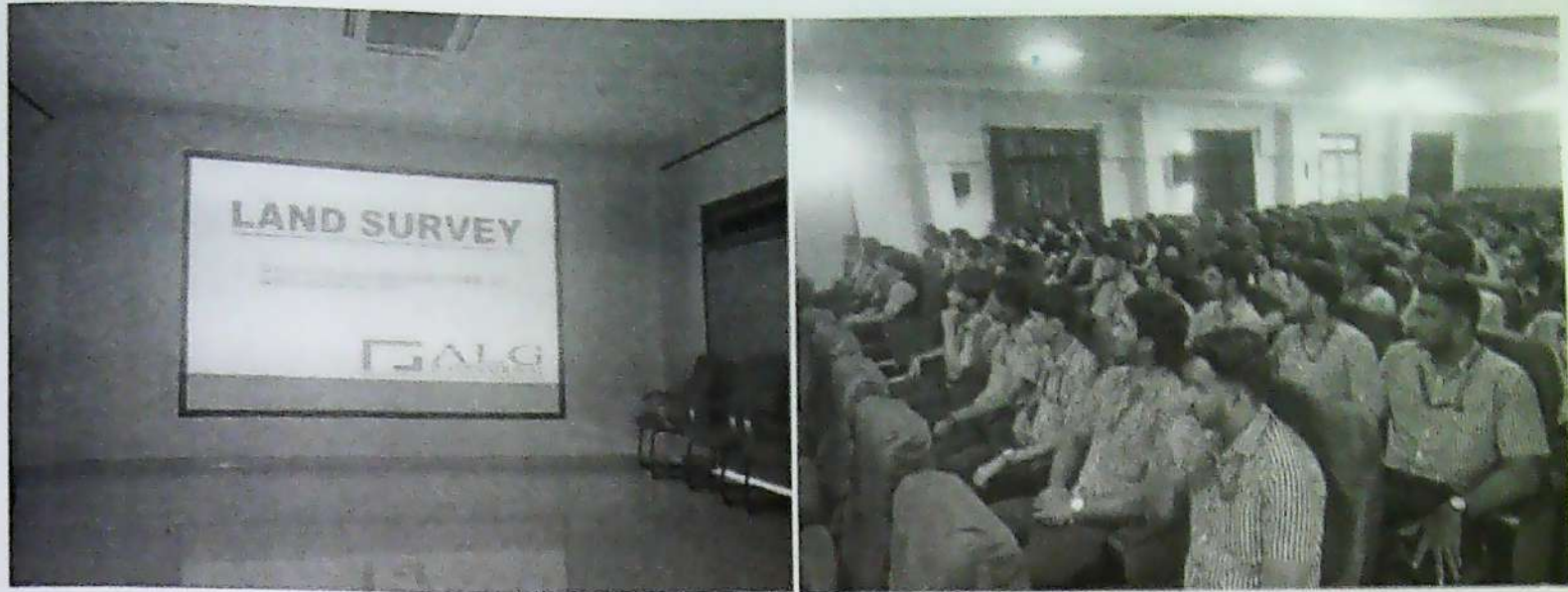
Note the most useful aspect of the session and how it will affect your work?

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39 responses



6. Snippets



5. Sample Certificate





CERTIFICATE

Of Participation

This is to certify that Mr./Mrs. Muhammed Manzoor
Has successfully participated in 5 days workshop entitled on the total station
from 2023 Feb.22 to Feb.26 conducted by ALG International Institute of Technology,
Kannur, Kerala.



Technical Head
ALG International





General Manager
ALG International