STANDARDS FOR PROJECT REPORT /MICROPROJEC T /SEMINAR

FORMAT FOR THE PROJECT REPORT & GENERAL GUIDELINES

- 1) All sheets are to be A4 size.
- 2) The Text in all the chapters shall be in Times New Roman 12 Font, Regular, Justified with line spacing of 1.15.
- 3) The margins shall be as follows:

Top & Bottom: 0.8 inches;

Left: 1 inch,

Right: 0.5 inches

- 4) Header from Top 0.3 inches...it contains project Name At Right Corner.
- 5) Footer from From 0.3 inches...it contains College name at Left Corner & Right Corner Page No.
- 6) One extra line spacing should be left in between paragraphs.
- 7) All Chapter headings are to be centered in the Font Times New Roman 16 size Bold.
- 6) All headings of section shall be in Times New Roman 14 Bold
- 7) All sub-section headings shall be in Times New Roman, size, 12, Bold, Italic.
- 8) Cover Pages Will be in Prescribed Formats Which is Provided By Institute (Front Page, Certificate, Acknowledgement, Approval Sheet for Project, index, References)

A MICRO-PROJECT REPORT ON

"Information On Specification For One Second micro optic theodolite / Digital Theodolite / E.D.M "

SUBMITTED BY,

BHOSLE SHIVAM SATISH (ENR. NO.2110920010)

NAIKWADE OM BALAJI (ENR. NO.2110950006)

SURYAVANSHI SHUBHAM JANAK (ENR. NO.2110950001)

DESHMUKH SHRAVAN RAJENDRA (ENR. NO.2110950017)

[For Partial Fulfillment of Award of Diploma Program in Civil Engineering from M.S.B.T.E. Mumbai.]

Under The Guidance of Prof. Halnure K.M



Shri Vishweshwar Shikshan Prasarak Mandal's

Vishweshwarayya Abhiyantriki Padvika Mahavidyalaya

Dilip Nagar, Almala Tq. Ausa Dist. Latur - 413556 (M.S.)

Approved AICTE New Delhi, Affiliated to MSBTE Mumbai.



(DEPARTMENT OF CIVIL ENGINEERING)

A.Y. 2022-2023

Shri Vishweshwar Shikshan Prasarak Mandal's

Vishweshwarayya Abhiyantriki Padvika Mahavidyalaya



Dilip Nagar, Almala Tq. Ausa Dist. Latur - 413556 (M.S.) Approved AICTE New Delhi, Affiliated to MSBTE Mumbai.

<u>Certificate</u>

This is to certify that Suryavanshi Shubham Janak (E.N. -211095001) from 2nd year year CIVIL (I- scheme) of this institute have successfully completed & submitted

A Micro - Project Report on "Information On Specification For One Second micro optic theodolite / Digital Theodolite / E.D.M for the Subject Advanced Surveying (22301) partial fulfillment of Award of diploma Program in Civil Engineering from M.S.B.T.E. Mumbai in A.Y. 2022-2023

(Prof . <u>Halnure K.M</u>)
Guide

(Prof. Sabde P.U)
H.O.D.

(Prof. Mr. Dharashive P.S.)
PRINCIPLE

ACKNOWLEDGEMENT

I hereby take this opportunity to express my profound thanks & deep sense of gratitude towards my guide Prof. Halnure K.M., Department of Civil Engineering. They gave me a precious time from his busy schedule & his valuable guidance has been a constant encouragement.

I would also like to thank <u>Dharashive P.S</u> principal, <u>Prof.Sabde P.U</u> Head of the Department of Civil Engineering & staff of the Department of Civil Engineering whose constant encouragement & expert guidance was instrumental in the completion of this Project.

Let me, at the end, express gratitude to all those from whom I received cooperation, help & motivation during Project work.

BHOSLE SHIVAM SATISH (ENR. NO.2110920010)

NAIKWADE OM BALAJI (ENR. NO.2110950006) SURYAVANSHI SHUBHAM JANAK (ENR. NO.2110950001)

DESHMUKH SHRAVAN RAJENDRA_(ENR. NO.2110950017)

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	To Determine errors				
7	Specification od digital theodolite				
	Working of digital theodolite				
	Specification of E.D.M				
	Principles of errors in E.D.M				

Micro Project Proposal

(Annexure-I)

Title Of Micro Project:

Information On Specification For One Second micro optic theodolite / Digital Theodolite / E.D.M

Aim/Benefits of Micro Project: (30-35 Words)

Course Outcomes Addressed:

Proposed Methodology: (Short Procedure or Description 100-150 Words)

Resources Required:

S.N.	Name of Resource/Materials	Specification	Qty	Remark If Any
1	Surveying & levelling book	R.Subramanian	1	NA
2	File	Transparent	1	NA
3	Printout of Diagrams	Black		NA

Name of Team Members With Roll No (Max 3-4 Members)

1.Bhosle Shivam satish – (08)

2.Naikwade Om Balaji – (04)

3.Suryavanshi Shubham Janak – (01)

4.Deshmukh Shravan Rajendra –(12)

Name & Sign of Course In charge

Suggested Rubric for Assessment of Micro-project

(Annexure-III)

						_
SH	Hest	ca	1.11	U1	8360	,

			suggested (united		Excellent
S.	Characteristic	A character of the control of the co	Average (Marks 4 - 5)	Good (Marks 6 - 8)	(Marks 9- 10)
1	Relevance to	Related to very few LOs	Related to some Los	Addressed at-least one CO	Addressed more than one CO
2	Literature Review/infor mation collection	Not more than two sources (primary and secondary), very old reference	At-least 5 relevant sources, at least 2 latest	At -least 7 relevant sources, most latest	About 10 relevant sources, most latest
3	Completion of the Target as per project proposal	Completed less than 50%	Completed 50 to 60%	Completed 60 to 80%	Completed more than 80 %
4	Analysis of Data and representation	Sample Size small, data neither organized nor presented well	Sufficient and appropriate sample, enough data generated but not organized and not presented well. No or poor inferences drawn	Sufficient and appropriate sample, enough data generated which is organized and presented well but poor inferences drawn	Enough data collected by sufficient and appropriate sample size. Proper inferences drawn by organising and presenting data through tables, charts and graphs.
5	Quality of Prototype/Mo del	Incomplete fabrication/asse mbly.	Just assembled/fabricate d and parts are not functioning well. Not in proper shape, dimensions beyond tolerance limit. Appearance/finish is shabby.	Well assembled/fabricat ed with proper functioning parts. In proper shape, within tolerance dimensions and good finish. But no creativity in design and use of material	Well assembled/fabricated with proper functioning parts. In proper shape, within tolerance dimensions and good finish/appearance. Creativity in design and use of material
6	Report Preparation	Very short, poor quality sketches, Details about methods, material, precaution and conclusions omitted, some details are wrong	Nearly sufficient and correct details about methods, material, precautions and conclusion, but clarity is not there in presentation. But not enough graphic description.	Detailed, correct and clear description of methods, materials, precautions and Conclusions, Sufficient Graphic Description.	Very detailed, correct, clear description of methods, materials, precautions and conclusions. Enough tables, charts and sketches
7	Presentation of the Micro project	Major information is not included, information is not well organized.	Includes major information but not well organized and not presented well	Includes major information and well organized but not presented well	Well organized, includes major information ,well presented
3	Viva	Could not reply to considerable number of question.	Replied to considerable number of questions but not very properly	Replied properly to considerable number of question.	Replied most of the questions properly

Micro-project Evaluation Sheet

(Annexure-Iv)

Name Of Student : Suryavanshi Shubham janak	Enr. No: 2110950001	
Course Title & Code : Advanced Surveying (22301)	Semester: 3rd	

Name Of Micro Project

Information On Specification For One Second micro optic theodolite / Digital Theodolite / E.D.M

		(4"	~ >	-		
S.N.	Characteristics to be assessed	Poor (1-3 mark)	Avg (4- 5mark)	Good (6- 8mark)	Excellent (9-10mark)	Su To
	A. Process & Produc	ct Assessmen	t(convert n	narks out o	f 6 Marks)	
1.	Relevance to the course			7/ 2		
2.	Literature Review/ Information Collection		7/			
3.	Completion of the Target as per Project Proposal			1 1/2		
4.	Analysis of Data & Representation			105/	7	
5.	Quality of Prototype & Model	100	MA		3	
6.	Report Preparation			n D		
	B. Individual Prese	ntation/Viva	Oral (Con	vert out of	4 Marks)	
7.	Presentation	2				
8.	Viva	ESTD:	2008			

Process & Product Assessment	Individual Presentation/Viva/Oral	Total Marks	
(6 Marks)	(4 Marks)	10 Marks	

Name & Dated Signature of Course I/C

References

- Number all the references.
- Use a chronological bibliography.
- _ Each listed reference in the bibliography must be cited in the text of the report. _ For a book give the name(s) of author(s), title of book, edition, chapter number, and page numbers, publisher, location and year of publication.

Example:

[25] Jones, C.D., A.B. Smith, and E.F. Roberts, *Efficient Real-Time Fine-Grained Concurrency*, 2nd Ed., Ch. 3, pp. 145-7, Tata McGraw-Hill, New Delhi, 1994.

For a journal/conference paper, give the name(s) of authors, title of paper, name of journal/ conference, volume and issue number (for journal), page numbers, and month and year of publication.

Example:

[23] Prasad, A.B., Kumar, C.D., Jones, E.F., and Frost, P.: "Cable Television Broadband Architectures", *IEEE Comm. Magazine*, vol. 39, pp. 134-141, June 1991.

For a World Wide Web page, give the author or company's name and the URL.

Sample References

- 1. Abraham, J., F.V. Bracco, and R.D. Reitz (1985) Comparison of Omputed and Measured Premixed Charge Engine Combustion. *Combustion and Flame, Vol.* 60,309 322.
- 2. Affes, H., N. Trigui., D. Smith, and V. Griaznov (1998) Shape Optimization of IC Engine Ports and Chambers. *SAE Paper No. 980127*.
- **3.** Anderson, J.D. (1995) *Computational Fluid Dynamics*. McGraw Hill, Singapore 1995.