



Program Name : Computer Engineering Program Code : CO	Academic Year 2023 – 2024
Course Name : Emerging Trends in Computer and Information Technology Course Code : ETI - 22618	Semester : Sixth

A STUDY ON

MICRO PROJECT REPORT

Submitted in March 2024 by the group of 04 students

Sr. No.	Roll No.	Name	Enrollment Number	Exam Seat Number
1				
2				
3				
4				

Under the guidance of
Mr. Nishad D. Patel

in

Three Years Diploma Programme in Engineering & Technology of
Maharashtra State Board of Technical Education, Mumbai (Autonomous)
ISO 9001: 2008 (ISO/IEC-27001:2013)

at

Shri Shivaji Vidya Prasarak Sanstha's
Bapusaheb Shivajirao Deore Polytechnic, Vidyanagari, Deopur, Dhule. 424005
Institute Code: 0059



For department copy

**MAHARASHTRA STATE BOARD OF TECHNICAL
EDUCATION, MUMBAI**

Certificate

This is to certify that,

Sr. No.	Roll No.	Name	Enrollment Number	Exam Seat Number
1				
2				
3				
4				

students of **Sixth Semester Diploma Programme in Computer Engineering** at **Shri Shivaji Vidya Prasarak Sanstha's Bapusaheb Shivajirao Deore Polytechnic, Dhule (Institute Code : 0059)** have completed the **Micro Project** satisfactorily in Subject **Emerging Trends in Computer and Information Technology (22618)** in the academic year **2023–2024** as prescribed in the MSBTE curriculum of I Scheme.

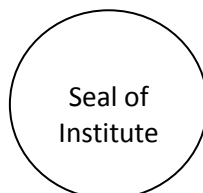
Place: Dhule

Date: ____ / ____ / 2024

Project Guide

Head of the Department

Principal





**MAHARASHTRA STATE BOARD OF TECHNICAL
EDUCATION, MUMBAI**

Certificate

This is to certify that Mr. / Ms. _____
of **Sixth Semester of Diploma Programme in Computer Engineering** at **Shri
Shivaji Vidya Prasarak Sanstha's Bapusaheb Shivajirao Deore
Polytechnic, Dhule (Institute Code: 0059)** has completed the **Micro Project**
satisfactorily in Subject **Emerging Trends in Computer and Information
Technology (22618)** in the academic year **2023-2024** as prescribed in the
MSBTE curriculum of I Scheme.

Place: Dhule

Enrollment No: _____

Date: ____ / ____ / 2024

Exam. Seat No: _____

Project Guide

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Note : Use this certificate If student wish to have an individual copy of this report

Evaluation Sheet for Micro Project

Academic Year: 2023 – 2024

Semester : 6 I **Name of Faculty** : Nishad D. Patel

Course : Emerging Trends in Computer And Information Technology **Course Code** : ETI - 22618

Title of the Project: _____

COs addressed by the Micro Project:

- i. _____
- ii. _____
- iii. _____

Major Learning Outcomes achieved by students by doing this project

a) Practical Outcomes

- i. _____
- ii. _____
- iii. _____

b) Unit outcomes in Cognitive Domain

- i. _____
- ii. _____
- iii. _____

c) Outcomes in Affective Domain

- i. Follow ethical practices
- ii. Participate in team problem solving activities
- iii. Prioritise time effectively to meet the needs of the team and self

Comments / Suggestions about team work / leadership / inter-personal communication (if any):

Roll No.	Student Name	Marks out of 6 for performance in group activity (D5 column 8)	Marks out of 4 for performance in oral / presentation (D5 column 9)	Total out of 10

Signature :
Name of faculty : Mr. Nishad D. Patel

Content

Sr. No.	Chapter	Page No.
1	Part A	
2	Part B	

Part A

Annexure –I

Micro-Project Proposal
(Format for Micro-Project Proposal about 1-2 pages)

Title of Micro-Project

1.0 Aims/Benefits of the Micro-Project (minimum 30-50 words)

2.0 Course Outcomes Addressed

- a)
- b)
- c)
- d)

3.0 Proposed Methodology (Procedure in brief that will be followed to do the micro-project) in about 100 to 200 words).

4.0 Action Plan (Sequence and time required for major activity)

S. No.	Details of activity	Planned Start date	Planned Finish date	Name of Responsible Team Members

5.0 Resources Required (major resources such as raw material, some machining facility, software etc.)

S. No.	Name of Resource/material	Specifications	Qty.	Remarks

Names of Team Members with Roll Nos.

- 1.
- 2.
- 3.
- 4.

(to be approved by the concerned teacher)

Part B

Annexure – II

Micro-Project Report

Format for Micro-Project Report (Minimum 4 pages)

Title of Micro-Project

1.0 Rationale (Importance of the project, in about 30 to 50 words. This is a modified version of the earlier one written after the work)

2.0 Aims/Benefits of the Micro-Project:

3.0 Course Outcomes Achieved (Add to the earlier list if more COs are addressed)

- a)
- b)
- c)
- d)

4.0 Literature Review

5.0 Actual Methodology Followed (Write step wise work done, data collected and its analysis (if any). The contribution of individual member may also be noted.)

6.0 Actual Resources Used (Mention the actual resources used).

S. No.	Name of Resource/material	Specifications	Qty	Remarks
1				
2				

7.0 Outputs of the Micro-Projects (Drawings of the prototype, drawings of survey, presentation of collected data, findings etc.)

8.0 Skill Developed / Learning outcome of this Micro-Project

9.0 Applications of this Micro-Project

(to be evaluated by the concerned teacher)

Suggested Rubric for Assessment of Micro Project

(The marks may be allotted to the characteristics of the Micro Project by considering the suggested rubrics)

S. No	Characteristic to be assessed	Poor (Marks 1-3)	Average (Marks 4 - 5)	Good (Marks 6 - 8)	Excellent (Marks 9- 10)
1	Relevance to the course	Related to very few LOs	Related to some Los	Addressed at-least one CO	Addressed more than one CO
2	Literature Review/information 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/Model	Incomplete fabrication/assembly.	Just assembled/fabricated and parts are not functioning well. Not in proper shape, dimensions beyond tolerance limit. Appearance/finish is shabby.	Well assembled/fabricated 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
8	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

Action Plan

Details of 16 engagement hours of the student

Regarding completion of Micro Project

Week No.	Period		Duration (in Hrs)	Activity Performed	Sign of Guide
	From	To			
1	01/01/2024	06/01/2024	2	Discussion and Finalization of the Project Title	
2	07/02/2024	20/01/2024	2	Decide on proposed methodology	
3	21/01/2024	27/01/2024	2	Prepare and submit Part A of Micro Project	
4	28/01/2024	10/02/2024	2	Conduct literature Review and collect data	
5	11/02/2024	24/02/2024	2	Conduct literature Review and collect data	
7	25/02/2024	09/03/2024	2	Follow proposed methodology and obtain output of Micro Project	
8	10/03/2024	16/03/2024	2	Prepare draft copy of Part B of Micro Project	
9	17/03/2024	23/03/2024	1	Editing and Proof Reading of the Project Report Prepare Presentation	
10	24/03/2024	30/03/2024	1	Seminar Presentation, viva-vice, Assessment and Submission of Report	
		Total	16		