XAVIER INSTITUTE OF ENGINEERING

Mahim, Mumbai 400016

Department of Information Technology

(NBA Accredited)

(Approved by AICTE, Govt. of Maharashtra and Affiliated to University of Mumbai)

MINI-PROJECT LOGBOOK

GROUP MEMBERS

1

2.

3.

4.

Supervisor/Guide Name

Dr./Prof._____

Department of Information Technology

Xavier Institute of Engineering, Mahim (W), Mumbai - 400 016

University of Mumbai

(Academic Year 2023-24)

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INSTITUTE VISION & MISSION

VISION:

To nurture the joy of excellence in a world of high technology.

MISSION:

To strive to match global standards in technical education by Interaction with industry, Continuous staff training, and Development of quality of life.

DEPARTMENT VISION

To nurture the joy of excellence in the world of Information Technology.

DEPARTMENT MISSION

M1: To develop the critical thinking ability of students by promoting interactive learning.

M2: To bridge the gap between industry and institute and give students the kind of exposure to the industrial requirements in current trends of developing technology.

M3: To promote learning and research methods and make them excel in the field of their study by becoming responsible while dealing with social concerns.

M4: To encourage students to pursue higher studies and provide them awareness on various career opportunities that are available.

Program Educational Objectives (PEOs)

PEO1: employed as IT professionals, and shall engage themselves in learning, understanding, and applying newly developed ideas and technologies as their field of study evolves.

PEO2: competent to use the learnt knowledge successfully in the diversified sectors of industry, academia, research and work effectively in a multidisciplinary environment.

PEO3: aware of professional ethics and create a sense of social responsibility in building   the nation/society.

Program Specific Outcomes (PSOs)

PSO1: Demonstrate the ability to analyze and visualize the business domain and formulate appropriate information technology solutions.

PSO2: Apply various technologies like Intelligent Systems, Data Mining, IOT, Cloud and Analytics, Computer and Network Security etc. for innovative solutions to real time problems.

Program Outcomes (POs)

Engineering Graduates will be able to

PO1: Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Problem Analysis: Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

PO3: Design/Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions for complex problems.

PO5: Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

PO6: The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Life-long Learning: Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

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STUDENT INFORMATION

Project Title: _____

	Student 1	Student 2	Student 3	Student 4
Student ID				
Name				
Semester				
Contact No.				
E-mail				
Address				

INSTRUCTIONS TO STUDENTS:

1. The logbook must be submitted to the Guide for verification and evaluation of project activities at least once in a week.

2. Log book duly signed by guide must be submitted with project report for evaluation at the end of semester to the department.

DECLARATION

I declare that this project represents my ideas in my own words without plagiarism and wherever others' ideas or words have been included, I have adequately cited and referenced the original sources.

I also declare that I have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in my project work.

I promise to maintain minimum 75% attendance, as per the University of Mumbai norms. I understand that any violation of the above will be cause for disciplinary action by the Institute.

Yours Faithfully

1._____

2._____

3._____

4._____

(Date & Signature of Students)

COURSE OUTCOMES

CO No.	COURSE OUTCOME
ITM 501.1	**Identify** problems based on societal /research needs and **apply** knowledge and skill to solve these problems in a group.
ITM 501.2	**Use** standard norms of engineering practices to **analyse** the impact of solutions in societal and environmental context for sustainable development.
ITM 501.3	**Examine** interpersonal skills and **ethical** awareness to work as member of a group or leader and **demonstrate** capabilities of self-learning in a group, which leads to lifelong learning.
ITM 501.4	**Build** project management principles during project work and **excel** in written and oral communication.

CO-PO-PSO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
ITM 501.1														
ITM 501.2														
ITM 501.3														
ITM 501.4														

SCHEDULE FOR MINI PROJECT

Date	Week	Contents	Remark	Guide Sign
	1			
	2			
	3			
	4			
	5			
	6			
	7			
	8			
	9			
	10			

PROGRESS/ATTENDANCE REPORT

Title of the Project:		
Group No.	Name of Student 1:	
	Name of Student 2:	
	Name of Student 3:	
	Name of Student 4:	
Name of the Supervisor/Guide: Dr./Prof.		

Sr. No	Date	Attendance				Progress/Suggestion
		1	2	3	4	
1						
2						
3						
4						

5					
6					
7					
8					
9					
10					
11					
12					
13					

Name, Date & Sign of the Supervisor/Guide

REVIEW-I
FORM

Group No:

Title of Mini-Project:

Date of Review-I:

No. of students in project team:

Student Mini-Project Performance Analysis (Put Tick as per your Observation)

Sr. No.	Observation	(3)	(2)	(1)
	Excellent (3) Very Good (2) Good (1)			
1	Project Selection & Applicability			
2	Literature Survey			
3	Innovativeness in solutions and Societal impact			
4	Feasibility Of the Project			
5	Effective use of skill set & standard engineering norms			
6	Overall Presentation & Performance			
Comments:				

Project Guide & Panel Members Signature: 1)
                                        2)
                                        3)

Name, Date & Signature   **Name, Date & Signature**

Project Coordinator   **HOD-Information Technology**

REVIEW-II FORM

Group No:_____

Title of Mini-Project: _____

Date of   Review-II: _____

No. of students in project team: _____

Student Mini-Project Performance Analysis (Put Tick as per your Observation)

	Excellent (3) Very Good(2) Good (1)			
Sr. No.	**Observation**	**(3)**	**(2)**	**(1)**
1	Effective use of skill set & standard engineering norms			
2	Design and Implementation			
3	Testing and Analysis			
4	Innovativeness in solutions and Societal impact			
5	Contribution of an individual member in team			
6	Overall Presentation & Performance			
Comments:				

Project Guide & Panel Members Signature: 1)
2)
3)

Name, Date & Signature   **Name, Date & Signature**

Project Coordinator   **HOD-Information Technology**

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EXAMINER'S FEEDBACK FORM

Name of External examiner: _____

College of External examiner: _____

Name of Internal examiner: _____

Date of Examination: _____/_____/_____

No. of students in project team:

Availability of separate lab for the project: Yes/No

Student Performance Analysis (Put Tick as per your Observation)

	Excellent (3) Very Good(2) Good (1)			
Sr. No.	**Observation**	**(3)**	**(2)**	**(1)**
1	Quality of problem and Clarity			
2	Innovativeness in solutions			
3	Cost effectiveness and Societal impact			
4	Full functioning of working model as per stated requirements			
5	Effective use of skill sets			
6	Effective use of standard engineering norms			
7	Contribution of an individual's as member or leader			
8	Clarity in written and oral communication			
9	Overall performance			

○ Can same mini project extend to next semester by adding new objectives/ideas? (Yes/ No)

○ If yes, suggest new Innovative Technique/Idea/ objectives related to this project.

_____

_____

_____

_____

Name, Date & Signature   **Name, Date & Signature**

External Examiner   **Internal Examiner**

Name, Date & Signature

HOD-Information Technology