MINIPROJECT LOGBOOK

GROUP MEMBERS

1. _____

2. _____

3. _____

Guide

Prof. _____

Department of Computer Engineering

Smt. Indira Gandhi College of Engineering

Affiliated to University of Mumbai

(2021–2022)

INSTITUTE VISION & MISSION

Vision

- To serve and have a transformative impact on society by constantly pursuing excellence in technical education, innovation and entrepreneurship for human development with strong ethical values.

Mission

- Serve and help transform society by graduating talented, broadly educated engineers, equipped with state of art technology resources for developing sustainable solutions.
- Academic excellence in Science, Engineering and Technology through dedication to duty, commitment to research, innovation in learning and faith in human values.
- Cultivate the spirit of entrepreneurship and the connection between academia and industry that fosters problem solving through collaboration
- Enable the students to develop into outstanding professionals with high ethical standards capable of creating, developing and managing global engineering enterprises.

COMPUTER ENGINEERING DEPARTMENT

Vision:

- To be recognized in the industry and society as an excellent center of education in the field of computer engineering.

Mission:

- To provide an encouraging environment for teaching learning process.
- To empower Computer Engineering knowledge of the students to meet the needs of industry and society.
- To build overall personality of the students through technical, social and holistic activities.

Program Educational Objectives (PEO):

1. **Successful Career:** Graduate will analyze the requirements of the problem in computer engineering, understand the technical feasibility, design and provide efficient engineering solutions with ethical values.
2. **Lifelong learning:** Graduates will engage in lifelong learning by doing higher studies and adapt for ever changing industrial and social demands.
3. **Social Awareness:** To train the graduates for a career and work through values & social concern.

Program Specific Outcomes (PSO):

Engineering Graduates will be able to:

1. Apply the principles of mathematics, data structure and algorithm to solve the problem.
2. Understand the functionality of hardware and software of computer system and its applications.
3. Participate in planning and implement solution through leadership and professional ethics.

Program Outcomes (PO):

Engineering Graduates will be able to:

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **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.
4. **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.
5. **Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6. **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.
7. **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.
8. **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **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.
11. **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.
12. **Life-long learning**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

STUDENT INFORMATION

Project Title: _____

	Student 1	Student 2	Student 3
Roll No			
Name			
Year/ Sem	SE/ III Sem		
Contact No.			
E-mail			
Address			

INSTRUCTIONS TO STUDENTS:

1. The logbook must be submitted to the Guide for verification and evaluation of project activities atleast 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 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._____

(Signature of Students)

LETTER OF ACCEPTANCE

I undersigned, Prof. Rasika Shintre working in Computer Engineering department, willing to guide the project titled _____

for the mini project-IA Semester III respectively for the academic year 2020-21. The names of the students are:

1. _____
2. _____
3. _____

(Project Guide) (Mini Project Coordinator) (HOD Computer)

COURSE OUTCOMES

CO No.	COURSE OUTCOME	POs covered	PSOs covered
CO1	Identify problems based on societal /research needs.	PO1, PO3,PO5	PSO1
CO2	Apply Knowledge and skill to solve societal problems in a group.		PSO1
CO3	Develop interpersonal skills to work as member of a group or leader.		PSO1
CO4	Draw the proper inferences from available results through theoretical/ experimental/simulations.		PSO1
CO5	Analyze the impact of solutions in societal and environmental context for sustainable development.		PSO1
CO6	Use standard norms of engineering practices		PSO1
CO7	Excel in written and oral communication.		PSO1
CO8	Demonstrate capabilities of self-learning in a group, which leads to lifelong learning.		PSO2
CO9	Demonstrate project management principles during project work.		PSO2,

CO-PO-PSO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	*		*		*								*		
CO2				*			*						*	*	
CO3															
CO4															
CO5															
CO6															

SCHEDULE FOR MINI PROJECT

Date	Week	Contents	Remark	Guide Sign
11/9/2021	1	Mini project orientation program		
18/9/2021	2	Discussion of mini project idea.		
25/9/2021	3	Abstract Submission.		
2/10/2021	4	Abstract Submission.		
9/10/2021	5	Allocation of mini project groups		
16/10/2021	6	Allocation of internal guide to each mini project group.		
23/10/2021	7	Project approval presentation		
30/10/2021	8	IPD preparation, IPD submission.		
6/11/2021	9	Literature survey – Survey of Existing System		
13/11/2021	10	Proposed System- Architecture/ Framework Algorithm and Process Design Details of Hardware & Software		
20/11/2021	11	Proposed System- Experiment and Results Conclusion and Future work.		

27/11/2021	12	Synopsis finalization with internal guide.		
4/12/2021	13	Project presentation PPT finalization.		

PROGRESS/ATTENDANCE REPORT

Title of the Project:

Name of Student 1:

Group No. Name of Student 2:

Name of Student 3:

Name of the Supervisor:

Sr. No	Date	Attendance			Progress/Suggestion	Mapping		
		1	2	3		CO	PO	PSO
1	11/9/2021				Mini project orientation program			
2	18/9/2021				Discussion of mini project idea			
3	25/9/2021				Abstract submission and work distribution.			
4	2/10/2021				Abstract submission and work distribution.			
5	9/10/2021				Prepare for project approval presentation			

6	16/10/2021				More data gathering about project and filter it and project presentation			
7	23/10/2021				More data gathering about project and filter it and project presentation			
8	30/10/2021				Analysis of data and IPD preparation. Changes in IPD and submit it. Changes in IPD by guide			
9	6/11/2021				Study about related references. Suggestion by internal guide and study the related data. Discussion about changes and path of project.			
10	13/11/2021				Analysing the data. Rounding it and filtering it.			
11	20/11/2021				Designing of project model also make changes where it needed.			
12	27/11/2021				Make changes in synopsis and PPT and make it finalize form.			
13	4/12/2021				Present.			

Sign of the Internal Guide

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.

Signature of Internal Examiner **Signature of External Examiner**