LOGBOOK FOR MINI PROJECT -2

PROJECT GROUP NO: 01

GROUP MEMBERS

1. Ganesh Pawar DSC 137
2. Mayank Tiwari DSC 157
3. Neha Prajapati DSC 140
4. Rahul Kushwaha DSC 129

Name of the Guide: **Dr. Nandini Chandra Nag**

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING (DATA SCIENCE)

LOKMANYA TILAK COLLEGE OF ENGINEERING

KOPARKHAIRANE, NAVI MUMBAI

UNIVERSITY OF MUMBAI

Academic Year

2023-24

INSTITUTE VISION & MISSION

VISION:

To create technically competent and ethically responsible professionals capable of providing efficient solutions to the contemporary world.

MISSION:

We aim to excel in our continual efforts, towards being one of the most recognized institutions by:

1. Providing a conducive environment comprising high end infrastructure and state-of-the-art laboratory facilities wherein the students, faculty and staff can collectively enhance their technical potential.
2. Encouraging innovation through research activities for the benefits of society.
3. Developing competent professionals responsive to changing technology.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

VISION:

To prepare the students to become data analytic experts enabling them to explore and contribute to the field of data science.

MISSION

1. To develop industry conducive environment by providing state-of-the-art facility to compete in the data-driven world.
2. To empower students to provide innovative and cognitive solutions with the help of data analytical skill-set.
3. To inculcate leadership qualities and entrepreneur skills with social and ethical values leading to scientific and industrial development of the nation.

PROGRAM EDUCATIONAL OBJECTIVES (PEO's)

PEO1	Aspire a successful career in the field of Computer Engineering utilizing technical and professional skills while complying with ethical standards
PEO2	Provide techno-social solutions through communication, entrepreneurial, collaborative, and engineering skill
PEO3	Indulge in life-long learning through higher studies, Research, and continuing education.

PROGRAM OUTCOMES (POs)

PO1	An ability to apply the knowledge of mathematics, science, engineering fundamentals, and Computer Science & Engineering specialization to the solution of complex Engineering problems.
PO2	An ability to identify, formulate, review research literature, and analyse complex Computer Science & Engineering problems reaching substantiated conclusions using first principles of Mathematics, Natural Sciences, and Engineering Sciences.
PO3	An ability to design solutions for complex Computer Science & 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	An ability to 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.
PO5	An ability to create, select and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex Computer Science & Engineering activities with an understanding of the limitations.
PO6	An ability to 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	An ability to understand the impact of the professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of and need for sustainable development.
PO8	An ability to apply ethical principles and commit to professional ethics and

	responsibilities and norms of the engineering practice.
PO9	An ability to function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary settings.
PO10	An ability to 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	An ability to 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	An ability to 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.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1	In still the principles of data management, data visualization and data security for building intelligent systems.
PSO2	Applying the knowledge of statistics, analytics, machine learning and deep learning concepts and tools to solve real world business problems.

STUDENT INFORMATION

Project Title: Online Voting System
Name of the Guide: Dr. Nandini Chandra Nag

Academic Year: 2023-24

	Student 1	Student 2	Student 3	Student 4
Name	Ganesh Manoj Pawar	Mayank Raghvendra Tiwari	Neha Rajendra Prajapati	Rahul Anand Kushwaha
ERP No.	220600184	220600175	220600222	220600189
Division	A	A	A	A
Contact No	8828826211	7506147987	9321791761	8866298746
E-mail	ganupawar2210@gmail.com	mayankrt04@gmail.com	nehaparajapati40348@gmail.com	rahulk060404@gmail.com
Address	A-9/105 Nilgiri Lokdhara CHS LTD Lokdhara	B/602 Shree Air India CHS LTD	F-19 Shreeom Vishrantidham bldg. Near Sarvesh	Flat no.8, plot no.73 Hariom apartment,
	Complex Phase-1 Pune Link Road	Sawarkar Nagar	Hall	Mayurban colony, Shahnoorwadi
	Kalyan East	Thane West	Dombivli East	Aurangabad, Maharashtra
	421306	400606	421201	431005

ABOUT LOG BOOK:

Log Book is to be maintained by final year students to record all the activities performed in order to complete the Major Project work in semesters VII and VIII.

The logbook is the formal way for faculty to know and evaluate the student's attitude, project development and progress. Therefore, this log book is important documentation for project work carried out by students.

INSTRUCTIONS TO STUDENTS:

1. The logbook must be submitted to the Guide or Co-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 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 a minimum of 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

Ganesh Pawar

Mayank Tiwari

Neha Prajapati

Rahul Kushwaha
(Signature of Students)

LOKMANYA TILAK COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER ENGINEERING

Academic Year
(2023-24)

Letter of Acceptance

I undersigned, **Dr. Nandini Chandra Nag** working in the Computer Department, LTCOE, am willing to guide the project titled **Online Voting System** for the Mini Project of S.E. Semester IV for the academic year 2023-24.

The names of the students are:

1. Ganesh Manoj Pawar
2. Mayank Raghvendra Tiwari
3. Neha Rajendra Prajapati
4. Rahul Anand Kushwaha

(Project Guide)	(SE Project Coordinator)	(HOD CSE-DS)

LOKMANYA TILAK COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING & DATA SCIENCE

Program Structure

S.E. CSE-DS

Second Year (CSE-DS) (Semester IV)

Course Code	Course Name	Teaching Scheme		Credits Assigned		
		Theory	Pract. Tut.	Theory	Pract	Total
CSM401	Mini -Project 1B	-	-	-	2	2

Course Code	Course Name	Examination Scheme							
CSM401	Mini - Project 1B	Internal Assessment							
		Internal Assessment			End Sem Exam	Exam Duration	Term Work	Pract. & oral	Total
		Test 1	Tes1	Avg					
		-	-	-	-	-	25	25	50

Guidelines for Mini Project-

1.	Students shall form a group of 3 to 4 students, while forming a group shall not be allowed less than three or more than four students, as it is a group activity.
2.	Students should do survey and identify needs, which shall be converted into problem statement for mini project in consultation with faculty supervisor/head of department/internal committee of faculties.
3.	Students shall submit implementation plan in the form of Gantt/PERT/CPM chart, which will cover weekly activity of mini project.
4.	A logbook to be prepared by each group, wherein group can record weekly work progress, guide/supervisor can verify and record notes/comments.

Assessment criteria of Mini Project

Mini Project shall be assessed based on following criteria

1.Quality of survey/ need identification
2.Clarity of Problem definition based on need
3.Innovativeness in solutions
4.Feasibility of proposed problem solutions and selection of best solution
5.Cost effectiveness
6.Contribution of an individual's as member or leader
7.Clarity in written and oral communication
8.Full functioning of working model as per stated requirements
9.Effective use of skill sets

10. Effective use of standard engineering norms

Distribution of marks for term work shall be as follows:

- Weekley log book and Evaluation Report
- Project Work Contribution
- Project Report (Spiral Bound)
- Term End Presentation (Internal)

Course Outcomes of Mini-Project

CSM401/Mini-Project-1B/S.E-IV

CO1	Identify problems based on societal /research needs.
CO2	Apply Knowledge and skill to solve societal problems in a group
CO3	Develop interpersonal skills to work as member of a group or leader.
CO4	Draw the proper inferences from available results through theoretical/ experimental/simulations.
CO5	Analyse the impact of solutions in societal and environmental context for sustainable development.
CO6	Use standard norms of engineering practices
CO7	Excel in written and oral communication.
CO8	Demonstrate capabilities of self-learning in a group, which leads to lifelong learning
CO9	Demonstrate project management principles during project work.

CO-PO-PSO Mapping of Mini-Project-1B

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

SCHEDULE & PROGRESS /ATTENDANCE REORT FOR MINI PROJECT – 1B

Department of Computer Science and Engineering (Data Science)

Academic Year- 2023-24
Mini Project-1B (Sem -IV)
Progress/Attendance Report

Title of the Project: Online Voting System	
Group No. 01	Name of Student 1: Ganesh Manoj Pawar
	Name of Student 2: Mayank Raghvendra Tiwari
	Name of Student 3: Neha Rajendra Prajapati
	Name of Student 4: Rahul Anand Kushwaha
Name of the Guide: Dr. Nandini Chandra Nag	

SN	Week	Date	Student Sign	Progress/Suggestion	Mapping			Guide Signature
					CO	PO	PSO	
1	1	16/01/2024		Presentation -1 as per topic selected in Sem -IV				
2	2	22/01/2024		Discussion of the area and problem statement identification				
3	3	05/02/2024		Objectives and scope (Download and study at least 3 Research papers relevant to the selected topic and discuss with the supervisor)				
4	4	12/02/2024		Requirement Analysis (Hardware and software requirement specification, Hands-on and study selected tools/ programming languages)				
5	5	26/02/2024		Algorithms and design (Parallel activity: Report & PPT Preparation)				

6	6	04/03/2024		Implementation (Evaluation and Refinement of Mid-semester Report & PPT Preparation)				
7	7	11/03/2024		Mid-term Presentation and Demonstration				
8	8	18/03/2024		Implementation & PPT Preparation				
9	9	26/03/2024		Progress presentation				
10	10	30/04/2024		Result analysis				
11	11	08/04/2024		Report writing, Evaluation, and Refinement				
12	12	16/04/2024		Final Report & PPT Preparation				
13	13	20/04/2024		Presentation and Demonstration				

Sign of the Guide