

Major Project 2- LOGBOOK

“SMART TRAFFIC MANAGEMENT SYSTEM FOR PRIORITY VEHICLE”

Project Member Name

1. Desai Akshay Dundappa
2. Gawade Sanket Prakash
3. Kadam Prathmesh Rajendra
4. Khise Adnan Khalid

Supervisor

Prof. R. B. Pawar



DEPARTMENT OF COMPUTER ENGINEERING

Gharda Institute of Technology


A/P: Lavel, Tal: Khed, Dist: Ratnagiri, 415708

Mumbai University




[2022-23]

INSTITUTE VISION & MISSION

❖ VISION STATEMENT

 To play a distinct role in transforming individuals into Engineering professionals for the betterment of society.

❖ MISSION STATEMENT

-  Impart knowledge through relevant curricula.
-  Develop skills to apply knowledge to the profession for the betterment of society.
-  Create awareness and understanding of continuous learning.

COMPUTER ENGINEERING DEPARTMENT

● Department Vision

To develop young minds into Computer Professionals to meet Industrial and Society needs

● Department Mission

- To develop young aspirants with relevant knowledge of Computer Engineering
- To develop skills among individuals for applying knowledge to professionally defined problems
- To encourage individuals to continuous learning

● Program Educational Objective (PEO)

The graduates of the Computer Engineering Department will be able to

PEO 01: apply knowledge to core areas of Computer Engineering

PEO 02: communicate effectively, work collaboratively and exhibit high levels of professionalism and ethical responsibility.

PEO 03: engage in successful careers in industry, and academia and attain positions of importance.

PEO 04: adapt to contemporary technologies, tools and methodologies to remain relevant to the frontier of Computer Engineering

- **Program Outcomes (PO)**

The graduates of Computer Engineering will have

PO1: the ability to apply knowledge of basic sciences, mathematics and engineering principles to solve computational and information processing problems

PO2: the ability to analyze problems and develop appropriate solutions

PO3: the ability to design solutions for complex engineering problems and design system components to understand the relationship between hardware and software systems

PO4: the ability to investigate complex problems and provide solutions to them

PO5: the ability to use current techniques, skills and tools necessary for computational and information sciences

PO6: the ability to analyze the local and global impact of computational knowledge and practices on individuals, organizations and society

PO7: the knowledge necessary to understand the impact of ubiquitous computation in a global, economic, environmental and societal context

PO8: the ability to understand professional ethics and responsibilities in the information age

PO9: the ability to work as an individual and in teams for a common goal

PO10: the ability to express ideas through verbal and non-verbal communication

PO11: the ability to demonstrate and apply knowledge and understanding of the engineering & management principles in practice as an individual and in a team to manage various types of projects

PO12: the ability to recognize the need and an attitude for lifelong learning.

- **Program Specific Outcome (PSO)**

After graduation with B.E (Computer Engineering), the graduates will be able to

PSO1: Design and develop systems using concepts of Mathematics, Computer Engineering and other related disciplines to meet customers' business objectives.

PSO2: Test and analyze the hardware/software systems for continuous quality improvement

STUDENT INFORMATION

Project ID: COMP2023MP2-G14

Project Title: SMART TRAFFIC MANAGEMENT SYSTEM FOR PRIORITY VEHICLE

	Student 1	Student 2	Student3	Student4
Registration No.	EN19219909	EN19221052	EN19225678	EN19292873
Name	Akshay Dundappa Desai	Sanket Prakash Gawade	Prathmesh Rajendra Kadam	Adnan Khalid Khise
Class with Division	BE-Comp	BE-Comp	BE-Comp	BE-Comp
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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 a week.
2. Logbook duly signed by the guide must be submitted with the project report for evaluation at the end of the semester to the department.

DECLARATION

We declare that this project represents our ideas in our own words and wherever others' ideas or words have been included, we have adequately cited and referenced the original sources. We also declare that we have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in our project work. We promise to maintain a minimum of 75% attendance, as per the University of Mumbai norms. We understand that any violation of the above will be cause for disciplinary action by the Institute.

Yours Faithfully

1. Akshay Dundappa Desai
2. Sanket Prakash Gawade
3. Prathmesh Rajendra Kadam
4. Adnan Khalid Khise

Letter of Acceptance

I undersigned, **Prof. R. B. Pawar**, working in the Computer Engineering department, iswilling to guide the project titled “**SMART TRAFFIC MANAGEMENT SYSTEM FOR PRIORITY VEHICLE**” for the B.E. Project Semester VII & VIII respectively for the academic year 2022-23

The names of the students are-

1. Akshay Dundappa Desai
2. Sanket Prakash Gawade
3. Prathmesh Rajendra Kadam
4. Adnan Khalid Khise

Prof. Rajkumar B. Pawar
(Project Guide)
Dept.CE, GIT

COURSE OUTCOMES

CO No.	COURSE OUTCOME	POs covered	PSOs covered
CO1	Implement solutions for the selected problem by applying technical and professional skills.	PO1, PO2, PO3, PO11	PSO1, PSO2
CO2	Analyze impact of solutions in societal and environmental context for sustainable development.	PO6, PO7, PO11	PSO1
CO3	Collaborate best practices along with effective use of modern tools.	PO4, PO5	PSO1
CO4	Develop proficiency in oral and written communication with effective leadership and teamwork.	PO6, PO9, PO10	PSO2
CO5	Nurture professional and ethical behavior.	PO8, P9, P11	PSO2
CO6	Gain expertise that helps in building lifelong learning experience.	Po7, PO12	PSO2

CO-PO-PSO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1	2	2								3		1	2
CO2						1	2				3		1	
CO3				1	2								1	
CO4						2			3	1				1
CO5								1	2		1			1
CO6							2					1		1

Project Schedule

Sr. No.	Month	Activity
1	July 2022	Project Idea Presentation
2	August 2022	Project Topic Approval List along with Guide allocation
3	September 2022	Progress Presentation-I on “Literature Review”
4	October 2022	Progress Presentation-II with Methodology and min 30% implementation results
5	November 2022	Project Phase-I Oral Practical University Exam
6	January 2023	Progress Presentation-III: Next Implementation (50% work)
7	February 2023	Progress Presentation-IV: Next Implementation (80% work)
8	March 2023	Complete demo presentation in front of all students and staff of the department
9	April 2023	Participation in national level project competitions &/ international conferences &/ Publication in reputed journals
10	April 2023	Final Project Report Making
11	May 2023	Project Phase-II Oral Practical University Exam

PROGRESS/ATTENDANCE REPORT

Title of the Project: SMART TRAFFIC MANAGEMENT SYSTEM FOR PRIORITY VEHICLE	
Project ID: COMP2023MP2-G14	Name of Student 1: Akshay Dundappa Desai
	Name of Student 2: Sanket Prakash Gawade
	Name of Student 3: Prathmesh Rajendra Kadam
	Name of Student 4: Adnan Khalid Khise
Name of the Supervisor: Prof. R. B. Pawar	

Sr. No	Date	Attendance				Progress/Suggestion	Mapping		
		1	2	3	4		CO	PO	PSO
1	21-7-2022	P	P	P	P	Idea Presentation	3	9	2
2	28-7-2022	P	P	P	P	Abstract Submission	4	12	2
3	04-8-2022	P	P	P	P	Title / Topic Finalization	2	3	2
4	11-8-2022	P	P	P	P	Major Project coordinator guidance	5	10	1
5	18-8-2022	P	P	P	P	Studying Literature Review	1	8	2
6	25-8-2022	P	P	P	P	Discussion about methodology	6	4	2
7	08-9-2022	P	P	P	P	Study of various journals to view limitations	1	4	2
8	15-9-2022	P	P	P	P	Progress Presentation-I on “Literature Review”	3	10	1
9	22-9-2022	P	P	P	P	Required Data and modules collection	5	2	1

10	29-9-2022	P	P	P	P	Project Discussion and problem-solving session with the guide	2	1	1
11	06-10-2022	P	P	P	P	Implementation of new module: GUI.	4	3	1
12	13-10-2022	P	P	P	P	Progress Presentation-II with Methodology and min 30% implementation results	6	8	2
13	20-10-2022	P	P	P	P	Project meeting with the guide to discuss the changes suggested in the review	4	9	1
14	05-11-2022	P	P	P	P	Final Submission and Demonstration of Major Project - 1	1	8	2
15	05-01-2023	P	P	P	P	Review Project Plan to stay on track	1	7	1
16	19-01-2023	P	P	P	P	Discuss Progress and Challenges with project guide	5	9	2
17	21-01-2023	P	P	P	P	Progress Presentation-III with 50% Implementation results	3	2	1
18	26-01-2023	P	P	P	P	Discuss project progress and take feedback	2	11	1
19	02-02-2023	P	P	P	P	Refine project objectives based on the feedback from project guide	6	3	1
20	09-02-2023	P	P	P	P	Identifying and solving technical problems	4	5	2
21	16-02-2023	P	P	P	P	Planing for the remaining implementation	2	8	1
22	23-02-2023	P	P	P	P	Seeking advice on future work	1	1	1
23	02-03-2023	P	P	P	P	Preparation for the final demo presentation	6	12	2
24	04-03-2023	P	P	P	P	Complete demo presentation	3	6	2

25	14-03-2023	P	P	P	P	Session on Project Documentation Significance by Major Project Coordinator	5	10	1
26	30-03-2023	P	P	P	P	Reviewing documentation for the project	4	7	1
27	03-04-2023	P	P	P	P	Participation in project competition organized by our College, Gharda Institute of Technology Khed	1	7	2
28	21-04-2023	P	P	P	P	Participation in project competition organized by Datta Meghe College of Engineering, Mumbai	1	7	2
29	22-04-2023	P	P	A	P	Finalising documentation for the project	3	5	2

Sign of the Supervisor

EXAMINER'S FEEDBACK FORM

Name of External examiner: _____

College of External examiner: _____

Name of Internal examiner: _____

Date of Examination: / /

No. of students in the 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	Relevance to the specialization / industrial trends				
2	Modern tools used				
3	Innovation				
4	Quality of work and completeness of the project				
5	Validation of results				
6	Impact and business value				
7	Quality of written and oral presentation				
8	Individual as well as team work				
9	Overall Performance				

- Can the same major project extend to next semester by adding new objectives/ideas? (Yes/ No)
- If yes, suggest a new Innovative Technique/Idea/objective related to this project.

Signature of External Examiner

Signature of Internal Examiner