



Mahatma Gandhi Mission's

College of Engineering and Technology

(Affiliated to University of Mumbai and Approved by, AICTE, New Delhi.)
Plot No. 1, 2, Sion - Panvel Expressway, Sector 18, Kamothe, Navi Mumbai, Maharashtra
410209 Website : www.mgmmumbai.ac.in

Department of Information Technology

MAJOR-PROJECT LOGBOOK

REVENUE MANAGER APP USING MERN AND ML

GROUP MEMBERS

1. ARJUN NAIK
2. AYUSH MOURYA
3. DIVYESH PATEL
4. VIVEK MISHRA

Supervisor/Guide

Prof.Megha Mandavkar



University of Mumbai
(Academic Year 2023-24)



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INSTITUTE VISION & MISSION

VISION:

"To become one of the outstanding Engineering Institute in India by providing a conducive and vibrant environment to achieve excellence in the field of Technology".

MISSION:

"To empower the aspiring professional students to be prudent enough to explore the world of technology and mould them to be proficient to reach the pinnacle of success in the competitive global economy".

INFORMATION TECHNOLOGY DEPARTMENT

VISION:

To emerge out as a prominent department offering a programme in its pursuit for academic excellence in order to develop professionally competent and socially responsible Information Technologists capable of meeting industry demands and social obligations in a vibrant global environment.

MISSION:

To strive towards building an atmosphere that will be a catalyst for innovative ideas and learning. Providing IT students with various opportunities and experiences that can help them to thrive and prosper through a blend of academics, practical exposure and research programs. To pursue successful careers in a global environment.



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Program Educational Objectives (PEOs)

PEO 1	To impart learners with sound knowledge of basic sciences and core engineering fundamentals.
PEO 2	To prepare learners use modern programming tools/technologies and develop competency to counter complicated engineering problems.
PEO 3	To prepare learners to be professionally competent and socially responsible to sustain and strive through the competitive, global/environment challenges.
PEO 4	To create a strong foundation in IT discipline and motivate learners undertake postgraduate studies, explore professional avenues or venture into entrepreneurship.
PEO 5	To inculcate personality traits and professional ethics.

Program Outcomes (POs)

PO 1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO 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.
PO 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.
PO 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.
PO 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.
PO 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.
PO 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.



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PO 8	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 life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs)

PEO1	Analyze real life problems and design user friendly solutions.
PEO2	To provide effective solutions for problems in sectors like healthcare, science, commerce, e-governance etc., by employing right set of tools and methodologies.
PEO3	Design and implement right IT infrastructural setups for any organization.



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STUDENT INFORMATION

NAME OF STUDENT	ROLL NO.	MOBILE NO	E-MAIL ID	SIGN/REMARK
ARJUN NAIK	39	7715820542	naikarjun243@gmail.com	
AYUSH MOURYA	37	8451885509	mouryaayush97@gmail.com	
DIVYESH PATEL	45	9326675538	divyeshpatel13gmail.com	
VIVEK MISHRA	34	7718033432	mishraviv10@gmail.com	



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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. ARJUN NAIK

2. AYUSH MOURYA

3. DIVYESH PATEL

4. VIVEK MISHRA

(Date & Signature of Students)



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LETTER OF ACCEPTANCE

I undersigned, Dr. /Prof. MEGHA MANDAVKAR working in Information Technology

Department, willing to guide the project titled REVENUE MANAGER APP USING MERN AND ML for the Major-Project in Fourth Year respectively for the Academic Year 2023-24.

The names of the students are:

1. ARJUN NAIK
2. AYUSH MOURYA
3. DIVYESH PATEL
4. VIVEK MISHRA

(Project Guide)

(Mini-Project Coordinator)

(HOD-Information Technology)



Department of Information Technology

COURSE OUTCOMES

CO No.	COURSE OUTCOME	POs covered	PSOs covered
CO1	Identify problems based on societal /research needs.	PO 5, PO 6	PS 01
CO2	Apply Knowledge and skill to solve societal problems in a group.	PO 4, PO 5, PO9	PS 03
CO3	Develop interpersonal skills to work as member of a group or leader.	PO 3	
CO4	Draw the proper inferences from available results through theoretical/ experimental/simulations.	PO 8	PS 01
CO5	Analyze the impact of solutions in societal and environmental context for sustainable development.	PO 7, PO 9	PS 02
CO6	Use standard norms of engineering practices	PO 4, PO 8	
CO7	Excel in written and oral communication.	PO 10, PO 11	
CO8	Demonstrate capabilities of self-learning in a group, which leads to lifelong learning.	PO 9, PO 10, PO 12	
CO9	Demonstrate project management principles during project work.	PO 10, PO 11	

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								✓		✓	✓	✓			
CO7										✓	✓	✓			
CO8									✓		✓	✓			
CO9										✓	✓				



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SCHEDULE FOR MAJOR PROJECT

Date	Week	Contents	Remark	Guide Sign
	1			
	2			
	3			
	4			
	5			
	6			
	7			
	8			
	9			
	10			
	11			
	12			

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4								
5					Presentation1			
6								
7								
8								
9								
10								
11								
12								
13								

Name, Date & Sign of the Supervisor/Guide



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REVIEW-I FORM

Group No: G-13

Title of Major-Project: REVENUE MANAGER APP USING MERN AND ML

Date of Review-I: _____

No. of students in project team: 4

Students Major-Project 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	Literature Survey					
3	Innovativeness in solutions					
4	Feasibility Of the Project					
5	Usage of technology					
6	Cost effectiveness and Societal impact					
7	Overall Presentation & Performance					
Comments:						

Project Guide & Panel Members Signature: 1)

2)

3)

Name, Date & Signature
Major Project Coordinator

Name, Date & Signature
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REVIEW-II FORM

Group No: G-13

Title of Major-Project: REVENUE MANAGER APP USING MERN AND ML

Date of Review-II: _____

No. of students in project team: 4

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

Excellent (3)		Very Good (2)		Good (1)	
Sr. No.	Observation	(3)	(2)	(1)	
1	Usage of effective skill sets				
2	Design and Implementation				
3	Testing and Analysis				
4	Use of standard engineering norms				
5	Cost effectiveness and Societal impact				
6	Contribution of an individual member in team				
7	Overall Presentation & Performance				
Comments:					

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

Name, Date & Signature
Major Project Coordinator

Name, Date & Signature
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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: 4

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

External Examiner

Name, Date & Signature

Internal Examiner

Name, Date & Signature

HOD-Information Technology