MAJOR-PROJECT LOGBOOK

EFFICIENT FARMER TO CONSUMER WEB APP

GROUP MEMBERS

1. MR. KADAM DARSHAN BALASAHEB
2. MR. NIPANE ARYAN SANJAY
3. MR. PAWAR HERSCHEL PRAVIN
4. MR. THORAT MANISH SANTOSH

Supervisor/Guide

Dr./Prof. Madhuri Patil

Department of Information Technology

University of Mumbai

(Academic Year 2022-23)

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: http://www.mgmmumbai.ac.in/

Department of Information Technology

INSTITUTE VISION & MISSION

VISION

"To become one of the outstanding Engineering Institute in India by providing a conductive 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 blended with research culture in its pursuit for academic excellence in order to develop professionally competent and socially responsible engineers capable of meeting industry demands and social obligations in a vibrant global environment.

Mission

1. To build fertile environment, where students receive the best of technological foundation and direction to explore, pursue and hone their own areas of interests, culminating with a wholesome development.
2. To strive towards building an atmosphere that will be a catalyst for innovative ideas and learning, providing 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.
3. To bridge the gap between the industry, institute and society by acquainting the students with the highly dynamic information technology domain.
4. To imbibe a sense of responsibility amongst students to apply their knowledge diligently keeping in mind its possible impact on the society.
5. To develop soft and professional skills.

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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 anengineering specialization to the solution of complex engineering problems.
PO 2	Problem Analysis: Identify, formulate, review research literature, and analyze complex engineeringproblems 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 systemcomponents 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 methodsincluding 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 engineeringand 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 insocietal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

Department of Information Technology

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

Project Title: EFFICIENT FARMER TO CONSUMER WEB APP

	Student 1	Student 2	Student 3	Student 4
Student ID	120IT1006A	120IT1108A	120IT1228A	UID 121IT3236A
Name	Manish Santosah Thorat	Herschel Pravin Pawar	Aryan Sanjay Nipane	Kadam Darshan Balasaheb
Class with Division	BE-IT	BE-IT	BE-IT	BE IT
Contact No.	+919579725862	+918310783472	+918657295928	+917304873871
E-mail	8482817246c @gmail.com	pawarherschel @gmail.com	nipaneeducation@gmail.com	darshankadam153@gmail.com
Address	A/P Chandoli	402		C 205
	BK	Siddhi Belleza		Shiv Apartment
	Tal Ambegaon	Sector 35D		Sector 18
	Dist Pune	Kharghar – Navi Mumbai - 410	Ulwe	Kamothe
Remark				

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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 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 majormum 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. Manish Santosh Thorat

2. Herschel Pravin Pawar

3. Aryan Sanjay Nipane

4. Darshan Balasaheb Kadam

(Date & Signature of Students)

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Letter of Acceptance

I undersigned, Dr./Prof. <u>Madhuri Patil</u> working in Information Technology Department, willing to guide the project titled <u>EFFICIENT FARMER TO CONSUMER WEB APP</u> Semester VII respectively for the Academic Year 2023-24.

The names of the students are:

1. Manish Santosh Thorat
2. Herschel Pravin Pawar
3. Aryan Sanjay Nipane
4. Darshan Balasaheb Kadam

_____   _____   _____
      (Project Guide)   **(Major-Project Coordinator)**   **(HOD-Information Technology)**

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COURSE OUTCOMES

CO No.	COURSE OUTCOME	POs covered	PSOs covered
CO1	Identify problems based on societal /research needs.	PO1, PO6, PO12	PSO3,PSO1
CO2	Apply Knowledge and skill to solve societal problems in a group.	PO1, PO5, PO6	PSO1
CO3	Develop interpersonal skills to work as member of a group or leader.	PO9,PO11	PSO3
CO4	Draw the proper inferences from available results through theoretical/ experimental/simulations.	PO5,PO10	PSO1
CO5	Analyze the impact of solutions in societal and environmental context for sustainable development.	PO7,PO6,PO12	PSO4,PSO1, PSO2
CO6	Use standard norms of engineering practices	PO4,PO9,PO1	PSO3
CO7	Excel in written and oral communication.	PO10	
CO8	Demonstrate capabilities of self-learning in a group, which leads to lifelong learning.	PO4, PO5,PO12	PSO3
CO9	Demonstrate project management principles during project work.	PO8	PSO1

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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
20/7/23	1	Formation of group		
27/7/23	2	Topic selection and finalization		
3/8/23	3	Found IEEE papers		
10/8/23	4	Problem statement formation		
17/8/23	5	Found advanced features		
24/8/23	6	Requirements gathering and analysis		
21/8/23	7	Started developing documentations		
7/9/23	8	Get feedback from team		
14/9/23	9	System design		
	10	Figma designing		
	11	Started implementation		
	12			

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PROGRESS/ATTENDANCE REPORT

Title of the Project: <u>EFFICIENT FARMER TO CONSUMER WEB APP</u>	

Group No.	Name of Student 1: Herschel Pravin Pawar
	Name of Student 2: Thorat Manish Santosh
	Name of Student 3: Aryan Sanjay Nipane
	Name of Student 4: Darshan Balasaheb Kadam

Name of the Supervisor/Guide: /Prof. Madhuri Patil

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Sr. No	Date	Attendance				Progress/Suggestion	Mapping		
		1	2	3	4		CO	PO	PSO
1	20/7/23	P	P	P	P	Define project scope and objectives	CO1	PO5, PO6	PSO1
2	27/7/23	P	P	P		Identify the data source and collection methods for crop prediction	CO2	PO4, PO5 PO9	PSO3
3	3/8/23		P	P	P	Select the appropriate tools and technologies for development	CO3	PO3	
4	10/8/23	P	P	P	P	Feasibility study	CO4	PO8	PSO1
5	17/8/23		P	P	P	Started working on user authentication and login	CO5	PO7 PO9	PSO2
6	24/8/23	P		P	P	Figma designing started	CO6	PO4 PO8	
7	31/8/23	P	P	P		Referred various similar websites	CO7	PO10 PO11	
8	7/9/23	P	P		P	Researched how to scrape data from the websites for government schemes related to farmers	CO8	PO9 PO10 PO12	
9									
10									

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11									
12									
13									

Name, Date & Sign of the Supervisor/Guide

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REVIEW-I FORM

Group No:

Title of Major-Project: EFFICIENT FARMER TO CONSUMER WEB APP

Date of Review-I:

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	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			

Project Guide & Panel Members Signature:
1. Manish Santosh Thorat
2. Herschel Pravin Pawar
3. Aryan Sanjay Nipane
4. Darshan Balasaheb Kadam

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

Project Coordinator　　　　　　　　　　　　　　　**HOD-Information Technology**

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REVIEW-II FORM

Group No : 1

Title of Major-Project: EFFICIENT FARMER TO CONSUMER WEB APP

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:

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

Project Coordinator   **HOD-Information Technology**

Department of Information Technology

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			

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

o 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