**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 2023-24)

## 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.

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. |
| 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. |

**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](mailto: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** |  |  |  |  |

**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.

1. 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**)**

### Letter of Acceptance

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

The names of the students are:

|  |
| --- |
| 1. Manish Santosh Thorat |
| 1. Herschel Pravin Pawar |
| 1. Aryan Sanjay Nipane |
| 1. Darshan Balasaheb Kadam |

|  |  |  |
| --- | --- | --- |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **(Project Guide)** | **(Major-Project Coordinator)** | **(HOD-Information Technology)** |

**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 |

**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 |  |  |  |  |  |  |  | ✓ |  |  |  |  | ✓ |  |  |

**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 |  |  |  |

**PROGRESS/ATTENDANCE REPORT**

| Title of the Project: EFFICIENT FARMER TO CONSUMER WEB APP | |
| --- | --- |
| 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 | |

| **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 |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |  |

**Name, Date & Sign of the Supervisor/Guide**

**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**

**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**

**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