**MINI-PROJECT LOGBOOK**

GROUP MEMBERS

1. Sujay Shetty

2. Shivam Yadav

3. Prithvi Yadav

Supervisor/Guide

Mrs. Sonali Padalkar

Department of Information Technology

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**University of Mumbai**

(Academic Year 2024-25)

**INSTITUTE VISION & MISSION**

**VISION:**

To be a world-class institute and a front runner in the educational and socio-economic development of the nation by providing high-quality technical education to students from all sections of society.

**MISSION:**

To provide superior learning experiences in a caring and conducive environment so as to empower students to be successful in life and contribute positively to society.

**INFORMATION TECHNOLOGY DEPARTMENT**

**VISION:**

**To develop competent, skilled, self-disciplined, and ethically sound IT engineers with a professional attitude to match global standards.**

**MISSION:**

* **To employ innovative teaching techniques and provide experiential knowledge to create proficient and responsible IT professionals**
* **To provide sufficient research opportunities and acquaint students with recent trends in industry.**
* **To enhance creativity and entrepreneurial approach to contribute positively to society with lifelong learning and commitment to professional ethics.**

**PROGRAM EDUCATIONAL OBJECTIVES (PEO's)**

**PEO-1:** Students will possess knowledge and skills in the field of Information technology for analyzing, designing, and implementing complex engineering problems of specific domains with creative approaches.

**PEO-2:** Students will develop the ability to apply scientific and engineering methodologies using modern tools and techniques for evaluating information in the field of IT for Security, Society, and Innovation.

**PEO-3:** Students will gain proficiency in recognizing and understanding the social, cultural, ethical, global, and environmental responsibilities of a professional engineer, and the need for sustainable development.

**PEO-4:** Students will develop life skills and gain interest in research, entrepreneurship, and higher studies in the field of Information Technology.

**PROGRAM OUTCOMES (POs)**

**PO1. Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO2. 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.

**PO3. 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 public health and safety, and the cultural, societal, and environmental considerations.

**PO4. 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.

**PO5. 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.

**PO6. 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.

**PO7. 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.

**PO8. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

**PO9. Individual and teamwork:** 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)**

**PSO 1:** Students will be able to apply the knowledge of Information Technology to Define, Analyze, Design, Test, and Integrate subsystems to provide domain-specific IT solutions for real-world problems.

**PSO 2:** Students will be able to apply innovative tools and techniques in the field of Information Security, Data Analytics, Artificial Intelligence, Cloud Computing, and Information Retrieval.

**STUDENT INFORMATION**

**Project Title:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Student 1** | **Student 2** | **Student 3** |
| **Name** | **Sujay Shetty** | **Shivam Yadav** | **Prithvi Yadav** |
| **Roll No.** | **61** | **52** | **55** |
| **Class with**  **Sem** | **SE-IT B Sem III** | **SE-IT C SEM III** | **SE-IT C SEM III** |
| **Contact No.** | **7208056287** |  |  |
| **E-mail** | sujay.s.shetty@slrtce.in | shivam.s.yadav@slrtce.in | **prithvi.k.yadav@slrtce.in** |
| **Address** | **C-22/104 Sector 8 Shantinagar Mira road (e)** |  |  |
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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 a guide must be submitted with a 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 me

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. Sujay Shetty

2. Shivam Yadav

3. Prithvi Yadav

(Date & Signature of Students)

**Letter of Acceptance**

I undersigned, Mrs. Sonali Padalkar working in the Information Technology Department, willing to guide the project titled UniSync System for the Mini-Project-1 Semester III respectively for the Academic Year 2024-25.

The names of the students are:

1. Sujay Shetty

2. Shivam Yadav

3. Prithvi Yadav

**(Project Guide) (Mini-Project Coordinator) (HOD-IT)**

**COURSE OUTCOMES**

|  |  |  |  |
| --- | --- | --- | --- |
| CO No. | Course Outcome | PO’s Covered | PSO’s Covered |
| 1. | Identify problems based on societal /research needs. | 1, 2, 8, 12 | 1 |
| 2. | Apply Knowledge and skill to solve societal problems in a group. | 1, 8 | 1, 2 |
| 3. | Develop interpersonal skills to work as a member of a group or leader. | 6, 8, 9, 10, 11, 12 | 1, 2 |
| 4. | Draw the proper inferences from available results through theoretical/ experimental/simulations. | 1, 3, 8 | 2 |
| 5. | Analyze the impact of solutions in societal and environmental context for sustainable development. | 2, 7, 8, 11 | 1 |
| 6. | Use standard norms of engineering practices. | 1, 4, 8, 11 | 2 |
| 7. | Excel in written and oral communication. . | 8, 10 |  |
| 8. | Demonstrate capabilities of self-learning in a group, which leads to lifelong learning. | 8, 10, 12 | 1, 2 |
| 9. | Demonstrate project management principles during project work. | 8, 10, 11, 12 | 1 |

**CO-PO-PSO MAPPING**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 |
| CO1 | 3 | 3 |  |  |  |  |  | 3 |  |  |  | 3 | 3 |  |
| CO2 | 3 |  |  |  |  |  |  | 3 |  |  |  |  | 2 | 3 |
| CO3 |  |  |  |  |  | 2 |  | 3 | 3 | 3 | 2 | 3 | 3 | 3 |
| CO4 | 3 |  | 3 |  |  |  |  | 3 |  |  |  |  |  | 2 |
| CO5 |  | 2 |  |  |  |  | 3 | 3 |  |  | 2 |  | 3 |  |
| CO6 | 2 |  |  | 2 |  |  |  | 3 |  |  | 3 |  |  | 3 |
| CO7 |  |  |  |  |  |  |  | 3 |  | 3 |  |  |  |  |
| CO8 |  |  |  |  |  |  |  | 3 | 3 | 3 |  | 3 | 2 | 2 |
| CO9 |  |  |  |  |  |  |  | 3 |  | 3 | 3 | 3 | 2 |  |

**SCHEDULE FOR MINI PROJECT**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date** | **Week** | **Contents** | **Remark** | **Guide Sign** |
|  | 1 |  |  |  |
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|  | 10 |  |  |  |
|  | 11 |  |  |  |
|  | 12 |  |  |  |
|  | 13 |  |  |  |

**PROGRESS/ATTENDANCE REPORT**

|  |  |
| --- | --- |
| Title of the Project: | |
| Group No. | Name of Student 1: Sujay Shetty |
| Name of Student 2: Shivam Yadav |
| Name of Student 3: Prithvi Yadav |
| Name of the Supervisor/Guide: Mrs. Sonali Padalkar. | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sr. No** | **Date** | **Attendance** | | | | **Progress/Suggestion** | **Mapping** | | |
|  |  | 1 | 2 | 3 | 4 |  | CO | PO | PSO |
| 1 |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |

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| 5 |  |  |  |  |  |  |  |  |
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| 7 |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |

**Name & Sign of the Supervisor/Guide with date**

**REVIEW-I FORM**

Group No:

Title of Mini-Project :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date of Review-I: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ No. of students in project team: \_\_\_\_\_\_\_\_\_\_\_\_\_

**Student Mini-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 & Signature with date Name & Signature with date**

**Project Coordinator HOD-IT**

**REVIEW-II FORM**

Group No:

Title of Mini-Project:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date of Review-II: \_\_\_\_\_\_\_\_\_\_\_\_\_ No. of students in project team \_\_\_\_\_\_\_\_\_\_\_\_\_

**Student Mini-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 & Signature with date Name & Signature with date**

**Project Coordinator HOD-IT**

**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 the same mini project extend to next Sem by adding new objectives/ideas? (Yes/ No) o If yes, suggest new Innovative Technique/Idea/ objectives related to this project.

**Name & Signature with date Name & Signature with date**

**External Examiner Internal Examiner**

**Name & Signature with date**

**HOD-IT**