Recent Open Source Programming Lab

PROJECT LOG BOOK

GROUP MEMBERS

1. Omkar Sunil Hatwalne BEIT 1 (41)
2. Pranshu Patel BEIT 2 (17)

1. Aakanksha Singh BEIT 2 (52)

SUPERVISOR / GUIDE

Prof. Pranoti Nage

**INSTITUTE VISION & MISSION**

**Vision**

To develop a sustainable ecosystem of technical education by fostering innovation, advancing research and leveraging technology with ethical and social values.

**Mission**

1. To transform the traditional approach of engineering education by experiential learning and interdisciplinary research for professional development.
2. To promote, encourage and facilitate the use of emerging technology and its application to bridge the gap between industry and academia.
3. To imbibe core values of excellence, integrity, teamwork, professional ethics and societal responsibilities.

**INFORMATION TECHNOLOGY DEPARTMENT**

**Vision:**

To create a healthy learning environment for students to be globally competent IT professionals with an innovative and enterprising mindset by adopting emerging technologies.

**Mission:**

1. To achieve academic excellence by imparting in-depth knowledge to the students through modern teaching pedagogy.

2. To cultivate analytical and soft skills inclusive of creative, managerial and team-work activities to create competent IT professionals.

3. To create IT graduates capable of making a positive impact on society via innovation, entrepreneurship and professional ethics.

**Program Outcomes PO’s**

|  |  |  |
| --- | --- | --- |
| PO1 | Engineering Knowledge | Application of Mathematical, Science, Engineering fundamentals and also specialized Engineering knowledge to solve complex engineering problems. |
| PO2 | Problem Analysis | Ability to identify, formulate and solve complex engineering problems leading to substantial conclusions in mathematics, natural and engineering sciences. |
| PO3 | Design and Development of Solutions | Design solutions and processes for complex engineering problems, that meet the specified needs, and also provides social, security, health care, and the environment benefits. |
| PO4 | Investigations of Complex problems | Provide solutions to complex engineering problems based on literature surveyed and research knowledge. |
| PO5 | Use of modern tools | Use the best modern IT engineering tools, use prediction and modeling and also apply appropriate techniques and resources to simplify complex engineering activities. |
| PO6 | Engineering and Society | Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice. |
| PO7 | Environmental and sustainability | Understand the impact of professional engineering solutions in societal and environmental context, and demonstrate the knowledge of, and need for sustainable development. |
| PO8 | Ethics | Apply ethical principles and commit to professional ethics, responsibilities and norms of engineering practice. |
| PO9 | Individual and Team work | Effectively function as an individual or a member or leader in diverse teams and in multidisciplinary settings. |
| PO10 | Communication | Effective communication on complex IT engineering concepts and technologies with engineering communities and society at large. Ability to comprehend and write effective reports and design documents, make effective presentations and also give and receive clear instructions. |
| PO11 | Project Management And Finance | Understand/demonstrate knowledge of IT engineering and management principles and apply these in one’s own work as a member, leader in a multidisciplinary environment. |
| PO12 | Life-long learning | Recognize the need for and ability to engage in independent and lifelong learning in the broadest context of technological change. |

**Program Specific Outcomes:**

* PSO1: Acquire and apply theory of information technologies in the field of networking, cyber security,artificial intelligence,data science and software engineering.
* PSO2: Develop entrepreneurship skills which will provide lifelong learning for solving societal issues.

**Program Educational Objectives:**

* PEO1 : To achieve excellence in professional career and/or higher education by acquiring knowledge through engineering principles.
* PEO2: To embed technical competence and professional skills by analyzing real life problems for optimal solutions.
* PEO3: To exhibit lifelong learning by adapting to the rapid technological changes and advancement in their career.

**STUDENT INFORMATION**

PROJECT TITLE:\_ Advanced Inventory Management \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | STUDENT 1 | STUDENT 2 | STUDENT 3 | STUDENT 4 |
| STUDENT ID | 41 | 17 | 52 |  |
| NAME | Omkar Sunil Hatwalne | Pranshu Patel | Aakanksha Singh |  |
| CLASS | BEIT 1 | BEIT 2 | BEIT 2 |  |
| CONTACT No. | 7666582519 | 9321717717 | 8591186199 |  |
| ADDRESS | Nashik | Malad, Mumbai |  |  |

**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 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.Omkar Sunil Hatwalne BEIT 1 (41)

2.Pranshu Patel BEIT 2 (17)

3.Aakanksha Singh BEIT 2 (52)

(Date & Signature of Students)

# **Letter of Acceptance**

I undersigned, Dr./Prof. Pranoti Nage working in Information

Technology Department, willing to guide the project titled \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

for the Recent Open Source Project Lab Semester VII for the Academic Year 2024-25.

The names of the students are:

1. Omkar Sunil Hatwalne BEIT 1 (41)

2. Pranshu Patel BEIT 2 (17)

3. Aakanksha Singh BEIT 2 (52)

4.



**Prof. Pranoti Nage Prof. Deepali Maste**

**(Project Guide) (HOD-INFT)**

# **LAB OUTCOMES**

**LO1.** Understand and apply the basic concepts of Open Source Software.

**LO2.** Identify the difference between the GPL(General Public License) and Contribute to Open Source.

**LO3.** Apply and evaluate your knowledge for the Contribute to Open Source in different Operating System.

**LO4.** Apply and evaluate your knowledge for the Contribute to Open Source in different Technologies..

**LO5.** Apply and evaluate your knowledge for the Contribute to Open Source in different Network Management..

**LO6**: Apply and evaluate your knowledge for the Contribute to Open Source in different Applications and Services.

# **LO-PO-PSO MAPPING**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 |
| LO1 |  | ✔ |  | ✔ |  | ✔ |  |  |  |  |  |  |  | ✔ |
| LO2 | ✔ | ✔ | ✔ |  |  | **✔** |  |  | ✔ | ✔ |  |  | ✔ | ✔ |
| LO3 |  |  |  |  |  |  |  |  | ✔ | ✔ | ✔ |  |  | ✔ |
| LO4 |  |  |  |  | ✔ |  |  |  |  |  |  |  | ✔ |  |
| LO5 |  |  | ✔ |  |  | ✔ | ✔ |  |  |  |  |  |  |  |
| LO6 |  |  |  |  |  | ✔ |  | ✔ |  |  |  |  |  |  |

**SCHEDULE FOR ROSPL PROJECT**

ACE/INFT/FR/16/2024-25

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date** | **Week** | **Contents** | **Remark** | **Guide Sign** |
|  | 1 | Study of different Technologies and Project Topics |  |  |
|  | 2 | Introduction  Motivation |  |  |
|  | 3 | Problem Formulation |  |  |
|  | 4 | Finalizing Objectives  Scope of the Project |  |  |
|  | 5 | Literature Survey  Survey of existing system |  |  |
|  | 6 | Limitations of existing system or research gap |  |  |
|  | 7 | Proposed System -Block Diagram |  |  |
|  | 8 | Implementation Plan(Gantt Chart) |  |  |
|  | 9 | Algorithm and Process Design |  |  |
|  | 10 | Implementation |  |  |
|  | 11 | Implementation |  |  |
|  | 12 | Implementation |  |  |
|  | 13 | Report formation |  |  |
|  | 14 | Model Deployment and Report Submission |  |  |

ACE/INFT/FR/16/2024-25

**PROGRESS/ATTENDANCE REPORT**

|  |  |
| --- | --- |
| Title of the Project: Advanced Inventory Management Project | |
| Group No.: | Name of Student 1: Omkar Sunil Hatwalne |
| Name of Student 2: Pranshu Patel |
| Name of Student 3: Aakanksha Singh |
| Name of Student 4: |
| Name of the Supervisor/Guide: Dr./Prof. Pranoti Nage | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sr. No** | **Date** | **Attendance** | | | | **Progress/Suggestion** | **Mapping** | | |
|  |  | 1 | 2 | 3 | 4 |  | CO | PO | PSO |
| 1 |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |
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| 12 |  |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |

**Prof. Pranoti Nage**

**Supervisor/Guide**

# **REVIEW-I FORM**

Group No: 26 Title of ROSPL-Project : Advanced Inventory Management System Date of Review-I: 30th September 2024 No. of students in project team: 3

**Student ROSPL 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 | Clarity of Problem definition based on need. |  |  |  |
| 3 | Innovativeness in solutions |  |  |  |
| 4 | Feasibility of proposed problem solutions and selection of best solution |  |  |  |
| 5 | Cost effectiveness and Societal impact |  |  |  |
| 6 | Overall Presentation & Performance |  |  |  |
| **Comments:** |  | | | |

**Project Guide & Panel Members Signature:** 1)

2)

3)

## **Prof. Deepali Maste**

**Prof. Pranoti Nage HOD-Information Technology**

**Project Guide**

# **REVIEW-II FORM**

Group No: 26 Title of ROSPL-Project: Advanced Inventory Management System Date of Review-II: No. of students in project team: 3

**Student ROSPL 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 | Effective use of standard engineering norms |  |  |  |
| 3 | Contribution of an individual’s as member or leader |  |  |  |
| 4 | Clarity in written and oral communication |  |  |  |
| 5 | Full functioning of working model as per stated requirements |  |  |  |
| 6 | Overall Presentation & Performance |  |  |  |
| **Comments:** |  | | | |

**Project Guide & Panel Members Signature:** 1)

2)

3)

## **Prof. Deepali Maste**

**Prof. Pranoti Nage HOD-Information Technology**

**Project Guide**

# **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:

**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 | Clarity of Problem definition based on need. |  |  |  |
| 3 | Innovativeness in solutions |  |  |  |
| 4 | Feasibility of proposed problem solutions and selection of best solution |  |  |  |
| 5 | Cost effectiveness and Societal impact |  |  |  |
| 6 | Usage of effective skill sets |  |  |  |
| 7 | Effective use of standard engineering norms |  |  |  |
| 8 | Contribution of an individual’s as member or leader |  |  |  |
| 9 | Clarity in written and oral communication |  |  |  |
| 10 | Full functioning of working model as per stated requirements |  |  |  |
| 11 | Overall Presentation & Performance |  |  |  |

## 

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

**External Examiner Internal Examiner**

## **Name, Date & Signature HOD-Information Technology**