**MINI-PROJECT LOGBOOK**

GROUP MEMBERS

1. Tejas Kolhe [A-44]
2. Rushikesh Bandiwadekar [A-45]

3. Sanika Pharande [A-54]

4. Pranav Bulbule [A-36]

Supervisor/Guide

**Dr./Prof. Shyamsundar Magar**

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Department of Information Technology

**Terna Engineering College, Nerul, Navi Mumbai - 400 706 **

**University of Mumbai**

(Academic Year 2021-22)

**INSTITUTE VISION & MISSION**

**VISION:**

To deliver value added quality education to the aspiring students, meeting stringent requirements of the changing technology, industry, business and society as a whole.

**MISSION:**

To provide an environment of academic excellence and to adopt appropriate teaching- learning processes to produce competent and skilled engineers ready to meet global challenges.

**INFORMATION TECHNOLOGY DEPARTMENT**

**VISION:**

To be a center of excellence in the field of Information Technology Education and Training.

**MISSION:**

To educate and train the students to acquire professional competencies by applying fundamental knowledge to solve real time problem which will serve need of industry and society.

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

**PEO I:** To prepare students for Employment, Entrepreneurship, Higher education and Research. require IT domain expertise with fundamental knowledge of mathematics, science and engineering.

**PEO III:** To enhance student’s abilities in problem solving, analytical thinking and project management to meet industry needs.

**PEO IV:** To equip students with adequate breadth and depth of IT knowledge that enables them to solve real world and societal problems with an emphasis on professional values and ethics.

**PEO V:** To prepare students for life-long learning.

**PROGRAM OUTCOMES (POs)**

|  |  |
| --- | --- |
| **PO's** | **OUTCOMES** |
| PO1 | An ability to apply knowledge of mathematics, science and engineering fundamentals in the field of computing. |
| PO2 | Critically identify, formulate and evaluate emerging topics and the recent development in the field and Provide solution to futuristic engineering problems. |
| PO3 | The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental and societal context. |
| PO4 | Ability in requirement gathering, design and implementation of software with computer systems to analyze and interpret the data. |
| PO5 | An ability to use the techniques, logical and analytical skills and modern engineering tools necessary for engineering practice. |
| PO6 | An ability to design a system component or process to meet desired needs within realistic constraints such as economic, environmental, social, cultural and safety issues. |
| PO7 | An ability to understand an impact of engineering knowledge towards society and environment with need to sustainable solutions. |
| PO8 | To inculcate professional ethics. |
| PO9 | An ability to function effectively, individually and in teams to accomplish a common goal. |
| PO10 | An ability to communicate solutions of complex computing problems effectively using reports and presentations to wide range of audiences. |
| PO11 | To instill leadership and managerial skills in multidisciplinary environment. |
| PO12 | Recognition of the need for and an ability to engage in life-long learning. |

**PROGRAM SPECIFIC OUTCOMES (PSOs)**

|  |  |
| --- | --- |
| PSO1 | Students will be able to solve problems in Open Ended Programming Environments. |
| PSO2 | Students will be able to use emerging Technologies like IOT, Big Data for effective and efficient real-time solutions. |
| PSO3 | Students will be able to demonstrate and develop web and mobile applications in diversify environments. |

**STUDENT INFORMATION**

**Project Title: House Price Prediction**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Student 1** | **Student 2** | **Student 3** | **Student 4** |
| **Student ID** | TU4F1920039 | TU4F1920040 | TU4F1920053 | TU4F1920031 |
| **Name** | Tejas Kolhe | Rushikesh Bandiwadekar | Sanika Pharande | Pranav Bulbule |
| **Class with**  **Division** | TE-IT  DIV-A | TE-IT  DIV-A | TE-IT  DIV-A | TE-IT  DIV-A |
| **Contact No.** | 7066586280 | 9082768833 | 9307027188 | 8805591557 |
| **E-mail** | tejaskolhel@ternaengg.ac.in | rushikeshbandiwadekar@ternaengg.ac.in | sanikapharande@ternaengg.ac.in | pranavbulbule@ternaengg.ac.in |
| **Address** | Qtr. No. 7/E Type III | Room no.4 | Flat no. 4, Vanashri appartment, |  |
| Ordanance Factory, | Gangaram Bhoir Chawl | Godoli satara | Shivaji Nagar |
| Varangaon | Azdegaon Dombivali(E) | Satara- 415001 | Akola-444002 |
| Mumbai:425308 | Mumbai: 421201 |  |  |

**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 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. **Tejas Kolhe**
2. **Rushikesh Bandiwadekar**
3. **Sanika Pharande**

1. **Pranav Bulbule**

(Date & Signature of Students)

**Letter of Acceptance**

I undersigned, Dr./Prof. Shyamsundar Magar working in Information Technology Department, willing to guide the project titled **House Price Prediction** for the Mini-Project-2(A) Semester - V respectively for the Academic Year 2021-22.

The names of the students are:

1. Tejas Kolhe

2. Rushikesh Bandiwadekar

3. Sanika Pharande

4. Pranav Bulbule

**(Project Guide) (Mini-Project Coordinator) (HOD-Information Technology)**

**COURSE OUTCOMES**

|  |  |  |  |
| --- | --- | --- | --- |
| **CO**  **No.** | **COURSE OUTCOME** | **POs covered** | **PSOs covered** |
| CO1 | Identify problems based on societal /research needs. | PO1,PO3,PO 5,PO7 | PSO1 |
| CO2 | Apply Knowledge and skill to solve societal problems in a group. | PO1,PO3,PO7  ,PO9 | PSO1 |
| CO3 | Develop interpersonal skills to work as member of a group or leader. | PO9,PO10,PO11 | PSO1 |
| CO4 | Draw the proper inferences from available results through theoretical/ experimental/simulations. | PO2,PO4 | PSO1 |
| CO5 | Analyze the impact of solutions in societal and environmental context for sustainable  development. | PO6,PO7 | PSO1 |
| CO6 | Use standard norms of engineering practices | PO5,PO7,PO8 | PSO1 |
| CO7 | Excel in written and oral communication. | PO10,PO12 | PSO1 |
| CO8 | Demonstrate capabilities of self-learning in a group, which leads to lifelong learning. | PO10,PO11,PO1  2 | PSO1 |
| CO9 | Demonstrate project management principles during project work. | PO8,PO10,PO11 ,PO12 | PSO1 |

**CO-PO-PSO MAPPING**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | PSO3 |
| CO1 | 3 | 1 | 3 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 |  | 3 |
| CO2 | 3 | 2 | 3 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 3 |  | 3 |
| CO3 | 3 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 1 | 3 |  | 3 |
| CO4 | 3 | 1 | 1 | 1 | 1 | 1 | 3 | 2 | 2 | 2 | 2 | 2 | 3 |  | 3 |
| CO5 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 3 |  | 3 |
| CO6 | 3 | 1 | 1 | 3 | 3 | 1 | 3 | 2 | 2 | 2 | 1 | 1 | 3 |  | 3 |
| CO7 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 3 |  | 3 |
| CO8 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 3 |  | 3 |
| CO9 | 1 | 1 | 1 | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 2 | 1 | 3 |  | 3 |

**SCHEDULE FOR MINI PROJECT**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date** | **Week** | **Contents** | **Remark** | **Guide Sign** |
| 10/01/2022 | 1 | Introduction, Guidelines |  |  |
| 17/01/2022 | 2 | Group Formation , |  |  |
| 24/01/2022 | 3 | Topic Selection |  |  |
| 31/01/2022 | 4 | Topic Selection |  |  |
| 07/02/2022 | 5 | Topic Finalization, |  |  |
| 14/02/2022 | 6 | PPT Formation |  |  |
| 21/02/2022 | 7 | Review-I |  |  |
| 28/02/2022 | 8 | Started GUI and Searched Dataset For House Price Prediction |  |  |
| 07/03/2022 | 9 | GUI |  |  |
| 14/03/2022 | 10 | Model Training of House Price Prediction |  |  |
| 23/03/2022 | 11 | Presentation |  |  |
| 28/03/2022 | 12 | Model Training of House Price Prediction Dataset |  |  |
| 04/04/2022 | 13 | Report ,Logbook Finalization |  |  |
| 11/04/2022 | 14 | Review-II |  |  |

**PROGRESS/ATTENDANCE REPORT**

|  |  |
| --- | --- |
| Title of the Project: **House Price Prediction** | |
| **Group No. 20** | Name of Student 1: **Tejas Kolhe** |
| Name of Student 2**: Rushikesh Bandiwadekar** |
| Name of Student 3: **Sanika Pharande** |
| Name of Student 4: **Pranav Bulbule** |
| Name of the Supervisor/Guide: **Dr./Prof.Shyamsundar Magar** | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sr. No** | **Date** | **Attendance** | | | | **Progress/Suggestion** | **Mapping** | | |
|  |  | 1 | 2 | 3 | 4 |  | CO | PO | PSO |
| 1 | 10/01/2022 | P | P | P | P | Introduction, Guidelines | CO3, CO7, CO8 | PO3, PO10 | PSO1 |
| 2 | 17/01/2022 | P | P | P | P | Group Formation , | CO1 | PO2 | PSO1 |
| 3 | 24/01/2022 | P | P | P | P | Topic Selection | CO2 | PO3 | PSO1 |
| 4 | 31/01/2022 | P | P | P | P | Topic Selection | CO2, CO7 | PO9. PO10, PO11 | PSO1 |
| 5 | 07/02/2022 | P | P | P | P | Topic Finalization, | CO1, CO2 | PO3 | PSO1 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | 14/02/2022 | P | P | P | P | PPT Formation | CO2 | PO3, PO9 | PSO1 |
| 7 | 21/02/2022 | P | P | P | P | Review-I | CO2, CO7 | PO3, PO9, PO10 | PSO1 |
| 8 | 28/02/2022 | P | P | P | P | Started GUI and Searched Dataset For Fake News Detection | CO7 | PO9, PO10 | PSO1 |
| 9 | 07/03/2022 | P | P | P | P | GUI | CO2, CO7 | PO3, PO9, PO10 | PSO1 |
| 10 | 14/03/2022 | P | P | P | P | Model Training of Fake news Detection | CO1 | PO1, PO2 | PSO1 |
| 11 | 23/03/2022 | P | P | P | P | Presentation | CO2, CO7 | PO9. PO10, PO11 | PSO1 |
| 12 | 28/03/2022 | P | P | P | P | Model Training of Fake news Detection Dataset | CO7, CO8, CO9 | PO9, PO10, PO11, PO12 | PSO1 |
| 13 | 04/04/2022 | P | P | P | P | Report ,Logbook Finalization | CO1, CO2 | PO3 | PSO1 |
| 14 | 11/04/2022 | P | P | P | P | Review-II | CO2, CO3 | PO9, PO10, PO3 | PSO1 |

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

**REVIEW-I FORM**

Group No: **20**

Title of Mini-Project: **House Price Prediction**

Date of Review-I : **21-02-2022**

No. of students in project team: **4**

**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 |  |  |  |
| **Comment s:** |  | | | |

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

2)

3)

**Name, Date & Signature Name, Date & Signature Project Coordinator HOD-Information Technology**

**REVIEW-II FORM**

Group No: **20**

Title of Mini-Project: **House Price Prediction**

Date of Review-II: **11-04-2022**

No. of students in project team: **4**

**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 |  |  |  |
| **Comment s:** |  | | | |

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

2)

3)

**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) VeryGood (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 mini 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**