MINI-PROJECT LOGBOOK

GROUP MEMBERS

1. Nikunj Pratap Mistry

2. Anurag Hale

3. Shubham Khose

Supervisor/Guide

Dr./Prof. Madhuri Rao

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Department of Information Technology

**TSEC, Mumbai - 400 050**



**University of Mumbai**

(Academic Year 2021-22)

# INSTITUTE VISION & MISSION

## VISION:

Perpetuating and transcending the processes of:

* Contributing to evolving supply chain of human capital for National Economy
* Creating entrepreneurs and ‘game changers’ to support heightened level of economic activities underpinning ever increasing human aspiration
* Helping the Nation evolve as a total solution provider
* Value and wealth creation for the mankind

## MISSION:

Focusing and practicing:

* Product and processes innovation
* Leveraging human cognitive and behavioral science for creating instructional content
* Pervasive and ubiquitous Information Communication Technologies for customized content for learning
* Acknowledge and facilitate various learning styles and learning abilities
* Migrating from teaching paradigm to learning paradigm
* Every day discourse shall inculcate research culture and further the cause of societal advancement
* Understand various markets and cultures
* Collaborative learning and emotional integrity
* Sensitizing about opportunities in Energy, Education, Environment and Health care sectors
* Extensively promoting computer aided design, analysis and manufacturing procedures
* Theoretical rigor to develop conceptual clarity
* Modeling and design of experiments to inculcate culture of investigation
* Helping foot print on Project management and collaborative human endeavor
* Interdisciplinary studies and exposure to functional areas

# INFORMATION TECHNOLOGY DEPARTMENT

## VISION:

The department should be known globally for its core competence in terms of intuitive and intelligent architectural solutions on “conversion of problem to logic”.

## MISSION:

Focusing and practicing:

* Theoretical rigour to develop conceptual clarity.
* Modelling and design of experiments to inculcate culture of investigation.
* Making project based learning-learning as a pervasive pedagogy.
* Transcending learning in the emerging areas of Artificial Intelligence, Deep Learning, Block-chain technology and Quantum Computing.
* Short term training program in evolving fields of Information Technology.
* Collaborative learning, interdisciplinary studies and exposure to functional areas.
* Sensitising all concerned about automation in IT services, software product and software process innovation.
* Introducing risk management, risk mitigation and the process of hedging.
* Inculcating and enhancing the culture of entrepreneurship, start-up ventures and incubation process.
* Metamorphosis from teaching paradigm to learning paradigm.
* Every day discourse shall inculcate research culture and create IPR in terms of process and product patents, by understanding various markets and culture

# PROGRAM EDUCATIONAL OBJECTIVES (PEO's)

|  |  |
| --- | --- |
| **PEO I:** | To create graduates committed to further the cause of information technology to enable enterprises to seize the massive opportunity emerging in IT services & IT product marketplace. |
| **PEO II:** | To build theoretical rigor, conceptual clarity in learners & engaging them to develop an attitude and temperament to be productive in workplace. |
| **PEO III:** | Help Learners to develop competency & skill sets in customizing software products in the niche/specialized areas like Big data Analytics, Artificial Intelligence, Deep learning& Block chain technologies. |
| **PEO IV:** | Help learners to develop competency in “Conversion of problem to logic” and in acquiring modelling & simulation skills. |
| **PEO V:** | Help them to develop environment consciousness build intellectual & emotional integrity & capacity to remain focused for a long time to achieved said goals. |

# 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 | Contributing to supply chain of human capital for Indian IT industry & knowledge economy |
| PSO2 | Pupils get initiated to emerging areas and going up in the academic value chain. |
| PSO3 | Pupils understand and demystify technology marketplace (product &process) & cultures of various geographies. |
| PSO4 | Offering cost & quality arbitrage to aspiring private capital in getting invested in our company. |
| PSO5 | Sensitizing graduates about the possibilities of leveraging ICT technologies for offering solutions to the nation building process & contributing to further the cause of the people at large. |

**STUDENT INFORMATION**

## Project Title: Hotel Management System

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Student 1** | **Student 2** | **Student 3** |
| **Student ID** |  |  |  |
| **Name** | Nikunj Mistry | Anurag Hale | Shubham Khose |
| **Class with Division** | S1  S14 | S1  S11 | S1  S13 |
| **Contact No.** | 9004256895 | 9653614721 | 9869016556 |
| **E-mail** | nikunjmistry1000@gmail.com | anuraghalee@gmail.com | shubhamkhose28@gmail.com |
| **Address** | 62/4 khetwadi | 103 nilgiri tower, | Room no-132 |
| Back road J.J Mansion | kharghar | B,Azad Nagar |
| 4th floor |  | Lala Nigam Road,Colaba |
| Mumbai-400004 |  | Room no-132/B,Azad Nagar,Lala Nigam Road,Colaba,Mumbai-400005 |

**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. Nikunj Mistry

2. Anurag Hale

3. Shubham Khose

## (Date & Signature of Students)

**Letter of Acceptance**

I undersigned, Dr./Prof. Madhuri Rao working in Information

Technology Department, willing to guide the project titled Bill Management System

for the Mini-Project-1 (A & B) Semester IV respectively for the Academic Year 2021-22.

The names of the students are:

1. Nikunj Mistry

2. Anurag Hale

3. Shubham Khose

**(Project Guide) (Mini-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, PO3,PO5 | PSO1 |
| CO2 | Apply Knowledge and skill to solve societal problems in a group. |  |  |
| CO3 | Develop interpersonal skills to work as member of a group or leader. |  |  |
| CO4 | Draw the proper inferences from available results through theoretical/ experimental/simulations. |  |  |
| CO5 | Analyze the impact of solutions in societal and environmental context for sustainable development. |  |  |
| CO6 | Use standard norms of engineering practices |  |  |
| CO7 | Excel in written and oral communication. |  |  |
| CO8 | Demonstrate capabilities of self-learning in a group, which leads to lifelong learning. |  |  |
| CO9 | Demonstrate project management principles during project work. |  |  |

**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 MINI PROJECT**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date** | **Week** | **Contents** | **Remark** | **Guide Sign** |
| 21/1/2022 | 1 | Introduction to python mini project |  |  |
| 28/1/2022 | 2 | Deciding a project |  |  |
| 4/2/2022 | 3 | Defining Problem statement & case study |  |  |
| 11/2/2022 | 4 | Designing Bill GUI |  |  |
| 18/2/2022 | 5 | Qrscanner for detecting qrcode |  |  |
| 25/2/2022 | 6 | Working on Whatsapp automation |  |  |
| 4/3/2022 | 7 | Connecting sql database with python |  |  |
| 11/3/2022 | 8 | Working on automation of existing names |  |  |
| 25/3/2022 | 9 | Project Showcase |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**PROGRESS/ATTENDANCE REPORT**

|  |  |
| --- | --- |
| Title of the Project: | |
| Group No. | Name of Student 1: Nikunj Pratap Mistry |
| Name of Student 2: Anurag Hale |
| Name of Student 3: Shubham Khose |
|  |
| Name of the Supervisor/Guide: Dr./Prof. Madhuri Rao | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sr. No** | **Date** | **Attendance** | | | | **Progress/Suggestion** | **Mapping** | | |
|  |  | 1 | 2 | 3 | 4 |  | CO | PO | PSO |
| 1 |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 |  |  |  |  | Presentation1 |  |  |  |
| 7 |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |

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

# REVIEW-I FORM

Group No: 3 Title of Mini-Project: Bill Management-System Date of Review-I: 3/03/2022 No. of students in project team: 3

**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, Date & Signature Name, Date & Signature

**Project Coordinator HOD-Information Technology**

**REVIEW-II FORM**

Group No: 3 Title of Mini-Project: Bill Management-System Date of Review-II: 21/4/2022 No. of students in project team: 3

**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, 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 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**