**MINIPROJECT LOGBOOK**

GROUP MEMBERS

1. Sanskruti Wathare

2. Anushka Tawte

3. Shinit Shetty

Supervisor

Prof.



Department of Computer Engineering **SIES Graduate School of Technology Nerul, Navi Mumbai - 400 706**

**University of Mumbai**

(AY 2020-21)

# INSTITUTE VISION & MISSION

## VISION:

“To be a centre of excellence in Education and Technology committed towards Socio-Economic advancement of the country”

## MISSION:

1. To impart advanced knowledge in Engineering and Technology.
2. To transform young minds towards professional competence by inculcating values and developing skills.
3. To promote research and ensure continuous value addition among students and employees
4. To strengthen association with industry, research organizations and alumni to enhance knowledge on current technologies.
5. To promote next generation technocracy and nurture entrepreneurial culture for social-economic growth.

**COMPUTER ENGINEERING DEPARTMENT**

**DEPARTMENT VISION:**

To be a centre of Excellence in Computer Engineering to fulfill the rapidly growing needs of the Society.

**DEPARTMENT MISSION:**

M1: To Impart quality education to meet the professional challenges in the area of Computer Engineering.

M2: To create an environment for research, innovation, professional and social development.

M3: To nurture lifelong learning skills for achieving professional growth.

M4 To strengthen the alumni and industrial interaction for overall development of students.

**PROGRAMME EDUCATIONAL OBJECTIVES(PEOs)**

PEO1: Practice Computer engineering in core and multi-disciplinary domains.

PEO2: Exhibit leadership skills for professional growth.

PEO3: Pursue higher Studies for career advancement

**PROGRAMME 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. |

**PROGRAMME SPECIFIC OUTCOMS (PSOs )**

PSO1: To apply computational and logical skills to solve Computer engineering problems.

PSO2: To develop interdisciplinary skills and acquit with cutting edge technologies in software industries.

**STUDENT INFORMATION**

## Project Title:

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Student 1** | **Student 2** | **Student 3** |
| **PRN NO** | 119A1097 | 119A1090 | 119A1076 |
| **Name** | Sanskruti Wathare | Anushka Tawte | Shinit Shetty |
| **Class with Division** | SE-D | SE-D | SE-D |
| **Contact No.** | 9653188262 | 97695 91495 | 8450984151 |
| **E-mail** | watharesanskruti19@ siesgst.ac.in | tawteanushka19@siesgst.ac.in | Shettyshinit19@siesgst.ac.in |
| **Address** | mulund | nerul | chembur |
|  |  |  |
|  |  |  |
|  |  |  |

**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 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.

2.

3.

(Signature of Students)

# Letter of Acceptance

I undersigned, Prof. working in Computer Engineering department, willing to guide the project titled

for the mini project-I Semester III /IV respectively for the academic year 2020-21. The names of the students are:

1. Sanskruti Wathare

2. Anushka Tawte

3. Shinit Shetty

(Project Guide) (Mini Project Coordinator) (HOD Computer)

.

# COURSE OUTCOMES

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

**CO-PO-PSO MAPPING**

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

**SCHEDULE FOR MINI PROJECT**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date** | **Week** | **Contents** | **Remark** | **Guide Sign** |
| 4/10/20 | 1 | Learnt pre-requisites for Quantum concepts |  |  |
| 11/10/2020 –  10/11/2020 | 2-5 | Studied basic quantum concepts |  |  |
| 20/11/2020 | 6 | Researched about game development and language we would need |  |  |
| 30/11/2020 | 7 | Considered different games for demonstration |  |  |
| 02/12/2020 | 8 | Chose classic arcade game for easy understanding and engagement |  |  |
| 09/12/2020 | 9 | Created the game |  |  |
| 09/12/2020 | 10 | Started the implementation of quantum concepts on jupyter notebook. |  |  |
| 12/12/2020 | 11 | Did a deep study on the qiskit library which is required |  |  |
| 14/12/2020 | 12 | Prepared a Presentation for our project |  |  |

**PROGRESS/ATTENDANCE REPORT**

|  |  |
| --- | --- |
| Title of the Project: | |
| Group No. | Name of Student 1: Sanskruti Wathare |
| Name of Student 2: Anushka Tawte |
| Name of Student 3: Shinit Shetty |
| Name of the Supervisor: | |

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

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

Sign of the Supervisor

# 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.

## Signature of External Examiner Signature of Internal Examiner