MINIPROJECTLOGBOOK

GROUMEMBERS

1. Parul Wanode
2. Madhura Anerao
3. Riya Firke
4. Pranita Bannore
5. Tarunkumar Gatla

Supervisor

**Prof. Vidya Zope**



**Department of Computer Engineering**

# VivekanandEducationSociety’sInstituteofTechnologyHAMC,Collector’s Colony,Chembur,

**Mumbai-400074 University of Mumbai (AY2023-24)**

# INSTITUTEVISION&MISSION

## Vision:

To create a vibrant knowledge-oriented environment with innovative teaching practicesand

To inculcate a tradition of socially conscious application of technology.

## Mission:

* To inculcate a culture of value-based education.
* To enthuse students to develop inanambient environment of caring and of sharing information.
* To enable students to work towards excellence in their chosen field with a professional bent of mind.

# DEPARTMENTOFCOMPUTERENGINEERING

## Vision:

To create a center of excellence in computing by imparting quality education for developing competent professionals.

## Mission:

* Toprovideanenablingenvironmentthroughexcellenceinteaching&learningtocontributetowardsindustry and society.
* To promote and strengthen interdisciplinary approach in innovation, creativity and research.
* Tofacilitateproductiveemploymentandhigherstudieswithentrepreneurialattitudeandprofessional ethics.

# PROGRAMEDUCATIONALOBJECTIVES(PEO's)

|  |  |
| --- | --- |
| I | To provide studentswithasolidfoundationintheircore concepts of mathematical,scientific and computer engineering fundamentals required to comprehend, analyze anddesign solutions for real life problems. |
| II | Toinculcateinstudents,abalancedoutlookwithprofessionalandethicalattitude,developeffectivecommunicationskills,teamworkandleadershipqualitieswithmultidisciplinary approach. |
| III | To prepare students to excel in postgraduate programs through an excellent academic environment and make them ready for productive employment in the public or private sectors and provide lifelong learning experience. |
| IV | Toprovidebroadeducationalandresearchexperiencethroughinterdisciplinaryandindustry centric programs. |

**PROGRAMOUTCOMES(POs)**

|  |  |
| --- | --- |
| **ProgramOutcomeCode** | **ProgramOutcomeDescription** |
| PO1 | BasicEngineeringknowledge:Anabilitytoapplythefundamentalknowledgeinmathematics, science and engineering to solve problems in Computer Engineering. |
| PO2 | ProblemAnalysis:Identify,formulate,researchliteratureandanalyzecomputerengineeringproblemsreachingsubstantiatedconclusionsusingfirstprinciplesofmathematics, natural sciences and computer engineering and science. |
| PO3 | Design/ Development of Solutions: Design solutions for complex computer engineeringproblems and design system components or processes that meet specified needs withappropriateconsiderationforpublichealthandsafety,cultural,societalandenvironmental considerations. |
| PO4 | Conductinvestigationsofcomplexengineeringproblemsusingresearch-basedknowledgeandresearchmethodsincludingdesignofexperiments,analysisandinterpretation of data and synthesis of information to provide valid conclusions. |
| PO5 | ModernToolUsage:Create,selectandapplyappropriatetechniques,resourcesandmoderncomputerengineeringandITtoolsincludingpredictionandmodelingtocomplex engineering activities with an understanding of the limitations. |
| PO6 | The Engineer and Society: Apply reasoning informed by contextual knowledge to assesssocietal,health,safety,legalandculturalissuesandtheconsequentresponsibilitiesrelevant to computer engineering practice. |
| PO7 | EnvironmentandSustainability:Understandtheimpactofprofessionalcomputerengineering solutions in societal and environmental contexts and demonstrate knowledgeof and need for sustainable development. |

|  |  |
| --- | --- |
| PO8 | Ethics:Applyethicalprinciplesandcommittoprofessionalethicsandresponsibilitiesand norms of computer engineering practice. |
| PO9 | IndividualandTeamWork:Functioneffectivelyasanindividual,andasamemberorleader in diverse teams and in multidisciplinary settings. |
| PO10 | Communication: Communicate effectively on complex engineering activities with theengineering community and with society at large, such as being able to comprehend andwrite effective reports and design documentation, make effective presentations and giveand receive clear instructions. |
| PO11 | ProjectManagementandFinance:Demonstrateknowledgeandunderstandingofcomputerengineeringandmanagementprinciplesandapplythesetoone'sownwork,asamemberandleaderinateam,tomanageprojectsandinmultidisciplinaryenvironments. |
| PO12 | Life-longLearning:Recognizetheneedforandhavethepreparation and ability toengageinindependent and lifelong learning in the broadest context of technologicalchange. |

# PROGRAMSPECIFICOUTCOMES(PSOs)

|  |  |
| --- | --- |
| PSO1 | ProfessionalSkills-Theabilitytodevelopprogramsforcomputerbasedsystemsof  varying complexity and domains using standard practices. |
| PSO2 | SuccessfulCareer-Theabilitytoadoptskills,languages,environmentandplatformsforcreatinginnovativecareerpaths,beingsuccessfulentrepreneursorforpursuinghigher  studies. |

**STUDENTINFORMATION**

**Project Title:** **Safar**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Student 1** | **Student 2** | **Student 3** | **Student 4** | **Student 5** |
| **Roll No** | 66 | 06 | 23 | 08 | 71 |
| **Name** | Parul Wanode | Madhura Anerao | Riya Firke | Pranita Bannore | Tarunkumar Gatla |
| **Division** | D7A | D7A | D7A | D7A | D7A |
| **Contact No** | 9423636259 | 9167604686 | 9309343866 | 9822269032 | 8450995973 |
| **Email-id** | 2022.parul. wanode@ves.ac.in | 2022.madhura.anerao@ves.ac.in | 2022.riya.firke@ves.ac.in | 2022.pranita.bannore@ves.ac.in | 2022.tarunkumar.gatla@ves.ac.in |
| **Address** | Khetan Nagar, Kaulkhed,  Akola-444004 | A/11 Vishal Tower , Kamgar Nagar Road , Kurla (E), Mumbai -400024. | Plot no.2,Gopal Nagar, Bhusawal-425201 | Flat no 5 building 3B Visava Height apartment  D P road Aundh Pune 411007 | 104, 6th lane,  Nagpada, Byculla  Mumbai-400008 |

# INSTRUCTIONSTOSTUDENTS:

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 books duly signed by the 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 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,

Parul Wanode

Madhura Anero

Riya Firke

Pranita Bannore

Tarunkumar Gatla

(Signature of Students)

# LetterofAcceptance

I undersigned, Prof **Vidya Zope** working in the Computer Engineering department willing to guide the project titled **Safar** for the mini project-I Semester III / IV respectively for the academic year 2023-24.

The names of the students are:

1. Parul Wanode

2. Madhura Anerao

3. Riya Firke

4. Pranita Bannore

5. Tarunkumar Gatla

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

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# COURSEOUTCOMES

|  |  |  |  |
| --- | --- | --- | --- |
| **CO**  **No.** | **COURSE OUTCOME** | **POs covered** | **PSOs**  **covered** |
| CO1 | Identify problems based on societal /research needs. | PO1,PO2,PO4 | PSO1,PSO2 |
| CO2 | Apply Knowledge and skill to solve societal problems in a group. | PO1,PO2,PO4,PO5,PO6,PO8, | PSO1, PSO2 |
| CO3 | Develop interpersonal skills to work as a member of a group or leader. | PO1,PO2,PO4,PO9,PO11 | PSO1, PSO2 |
| CO4 | Draw the proper inferences from available results through theoretical/ experimental/simulations. | PO1,PO2,PO4, PO5,PO6,PO12 | PSO1, PSO2 |
| CO5 | Analyze the impact of solutions in societal and environmental context for sustainable development. | PO2,PO3,PO4, PO7, PO12 | PSO1, PSO2 |
| CO6 | Use standard norms of engineering practices | PO1,PO2,PO4,  PO12 | PSO1 |
| CO7 | Excel in written and oral communication. | PO1,PO4,PO8,PO9,PO10,PO12 | PSO1 |
| CO8 | Demonstrate capabilities of self-learning in a group, which leads to lifelong learning. | PO1,PO2,PO4,PO12 | PSO1 |
| CO9 | Demonstrate project management principlesduring project work. | PO1,PO2,PO4,PO11,PO12 | PSO1, PSO2 |

**CO-PO-PSOMAPPING**

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

# SCHEDULE FOR MINI PROJECT

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date** | **Week** | **Contents** | **Remark** | **GuideSign** |
| 7/8/23 | 1 | Deciding the topic. |  |  |
| 14/8/23 | 1 | Gathering the information for Synopsis. |  |  |
| 16/8/23 | 2 | Discussing Algorithms and Synopsis correction. |  |  |
| 18/8/23 | 3 | Discussion about review 1 |  |  |
| 23/8/23 | 5 | Gathering Data Set |  |  |
| 12/9/23 | 7 | Discussion on future implementation/working |  |  |
| 11/9/23 | 7 | Started integrating API. |  |  |
| 14/9/23 | 8 | Doubt Clearance about Methodology |  |  |
| 30/9/23 | 10 | Working on website and making changes. |  |  |
| 19/10/23 | 10 | Discussion about review 2. |  |  |

**PROGRESS/ATTENDANCEREPORT**

## Title of the Project: Safar

|  |  |
| --- | --- |
| Group No: 06 | Name of Student 1: Parul Wanode |
| Name of Student 2: Madhura Anerao |
| Name of Student 3: Riya Firke |
| Name of Student 4: Pranita Bannore |
| Name of Student 5: Tarunkumar Gatla |

Name of the Supervisor: **Vidya Zope**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sr.No | Date | Attendance | | | | | Progress/Suggestion | Mapping | | |
|  | Add dates | 1 | 2 | 3 | 4 | 5 |  | CO | PO | PSO |
| 1 | 7/8/23 | ✓ | ✓ | ✓ | ✓ |  | The group convened and had a discussion about the topic with our mentor. | CO1 | PO1,  PO2,  PO4 | PSO1,  PSO2 |
| 2 | 14/8/23 | ✓ | ✓ | ✓ | ✓ |  | We reached a decision regarding the topic "SAFAR." |  |  |  |
| 3 | 16/8/23 | ✓ | ✓ |  | ✓ |  | We started working on the synopsis, studying the research papers. |  |  |  |
| 4 | 18/8/23 |  | ✓ | ✓ |  |  | We revised the synopsis based on our mentor's feedback. |  |  |  |
| 5 | 23/8/23 | ✓ |  | ✓ | ✓ |  | The synopsis was approved and then submitted. |  |  |  |
| 6 | 12/9/23 | ✓ |  |  | ✓ |  | We initiated the development of the website and the creation of a PowerPoint presentation for our first mini project. |  |  |  |
| 7 | 11/9/23 |  | ✓ | ✓ |  |  | We implemented the specific changes and gave the first mini project review. |  |  |  |
| 8 | 14/9/23 | ✓ | ✓ | ✓ | ✓ |  | We commenced work and began integrating the API along with our website. |  |  |  |
| 9 | 30/9/23 | ✓ | ✓ | ✓ | ✓ |  | We developed the website, including images and all necessary components. |  |  |  |
| 10 | 19/10/23 | ✓ | ✓ | ✓ | ✓ |  | We have concluded the initial draft. |  |  |  |

Sign of the Supervisor

# EXAMINER'SFEEDBACKFORM

NameofExternalexaminer:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

CollegeofExternalexaminer:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

NameofInternalexaminer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Dateof 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 | Costeffectiveness 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 | | |  |  |  |

* Can the same mini project extend to next semester by adding new objectives/ideas?(Yes/ No)
* Ifyes,suggestnewInnovativeTechnique/Idea/objectivesrelatedtothisproject.

## Signature of External Examiner Signature of Internal Examiner