# MINIPROJECT
# LOGBOOK
# Title: Hepatitis B Mortality Prediction

GROUP MEMBERS

1. Aagya Singh
2. Aditya Waingade
3. Devesh Zope

Project Guide

Prof. Roshna Sangle

Department of Information Technology

**A.P. Shah Institute of Technology**

**Kasarvadavali, Thane - 400 607**

**University of Mumbai**

(AY 2022-23)

## INSTITUTE VISION & MISSION

**VISION:**

APSIT aspires to be a premier institute producing globally competent engineering professionals to contribute towards socio-economic growth of India.

**MISSION:**

To provide conducive and collaborative environment to meet contemporary & future Engineering challenges by project based and value-added education with the support of trained faculty

## DEPARTMENT OF INFORMATION TECHNOLOGY

**VISION:**

To be a prime centre of excellence by transforming students into globally competent IT professionals.

**MISSION:**

1. To develop, support and maintain state-of-art infrastructure to serve as a potent resource hub for IT industries.
2. To inculcate the problem solving, analytical, logical skills to promote the culture of creativity and innovation among the students.
3. To adapt with the transformation of the technology emphasising on interdisciplinary studies, exposure to emerging technologies and imbibing high standards of professional ethics and social responsibilities in all endeavor

# PROGRAM EDUCATIONAL OBJECTIVES (PEO's)

**PEO1** PREPARATION: To prepare students for successful careers in industry, research and institutions of higher learning with social sense and responsibility.

**PEO2** CORE COMPETENCE: The graduating professionals from Information technology will have a wide spread background of sciences, mathematics and fundamentals of Information Technology to solve dynamic universal industrial problems.

**PEO3** BREADTH: To create graduates for competitive and innovative solutions to industry and society through projects by application of multidisciplinary knowledge inculcating team work and management skills.

**PEO4** PROFESSIONALISM: To enrich students with leadership quality, professional ethics and entrepreneurial skills through various devised programs

**PEO5** LIFE LONG LEARNING: To promote student awareness and commitment to life long learning for professional engagement to benefit society at large.

# 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** To use modern computer languages, environments and platforms in creating innovative carrier paths in the areas of database, data analysis and application development.

**PSO2** To apply theoretical foundations of Information technology in developing solutions for engineering problems that meet automation needs of industry and society.

**PSO3** To design and implement efficient real-time solutions using evolving knowledge of information technology by demonstrating the practices of professional ethics and the concern for societal and environment wellbeing

## STUDENT INFORMATION

**Project Title:** Hepatitis B Mortality Prediction

**Name of Guide:** Prof. Roshna Sangle

| | **Student 1** | **Student 2** | **Student 3** |
|---|---|---|---|
| **Moodle ID** | 20104076 | 20104099 | 20104086 |
| **Name** | Aagya Singh | Aditya Waingade | Devesh Zope |
| **Class** | TE | TE | TE |
| **Contact No.** | 84469 65839 | 73046 29649 | 88286 64153 |

| Date | Weeks | Contents |
|---|---|---|
| 13/01/2023 TO 18/01/2023 | 1 | Group formation and Topic finalization. Identifying the scope and objectives of the Mini Project |
| 20/01/2023 TO 26/01/2023 | 2 | Identifying the functionalities of the Mini Project |
| 29/01/2023 TO 3/01/2023 | 3 | Discussing the ML Algorithm. |
| 4/02/2023 TO 10/02/2023 | 4 | Designing the Graphical User Interface (GUI) |
| 17/02/2023 TO 17/2/2023 | 5 | Review 1 Presentations |
| 20/02/2023 TO 28/02/2022 | 6 | Detail ML Algorithm implementation |
| 03/03/2023 TO 10/03/2023 | 7 | Integration of GUI with ML Algorithm code |
| 14/03/2023 To 21/03/2023 | 8 | Report Writing |
| 20/04/2023 TO 20/04/2023 | 9 | Review 2 Presentations |

# SCHEDULE FOR MINI PROJECT

| | |
|---|---|
| Title of the Project: Hepatitis B Mortality Prediction | |
| Group No. 19 | Name of Student 1: Aagya Singh |
| | Name of Student 2: Aditya Waingade |
| | Name of Student 3: Devesh Zope |
| Name of the Guide: Prof. Roshna Sangle | |

# PROGRESS/ATTENDANCE REPORT

| Sr. No | Date | Attendance | | | Progress/Suggestion | Mapping | | |
|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | | CO | PO | PSO |
| 1 | 13/01/2023 TO 18/01/2023 | | | | Group formation and Topic finalization. Identifying the scope and objectives of the Mini Project | CO1, CO2, CO3, CO9 | PO1, PO2, PO9 | PSO1 |
| 2 | 20/01/2023 TO 26/01/2023 | | | | Identifying the functionalities of the Mini Project | CO2, CO4, CO3, CO6 | PO1, PO2, PO9 | PSO1 |
| 3 | 29/01/2023 TO 3/01/2023 | | | | Discussing the ML Algorithm.. | CO4, CO3, CO6 | PO1, PO2, PO9 ,PO12 | PSO1 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 4 | 4/02/2023 TO 10/02/2023 | | | | Designing the Graphical User Interface (GUI) | CO4, CO3, CO6 | PO1, PO3, PO5 ,PO9, PO11, PO12 | PSO1 ,PSO2 |
| 5 | 17/02/2023 TO 17/2/2023 | | | | Review 1 Presentations | CO3, CO6 | PO8,PO1 0,PO 9 | |
| 6 | 20/02/2023 TO 28/02/2022 | | | | Detail ML Algorithm implementation | CO5, CO3, CO6 | PO1,PO3, PO7 ,PO9,PO1 1,P O12 | PSO1, PSO2 |
| 7 | 03/03/2023 TO 10/03/2023 | | | | Integration of GUI with ML Algorithm code | CO5, CO3, CO6 | PO1,PO3, PO5 ,PO7,PO9 ,PO 11,PO12 | PSO1, PSO2 |
| 8 | 14/03/2023 To 21/03/2023 | | | | Report Writing | CO5, CO3, CO6 | PO1,PO3, PO5 ,PO7,PO9 ,PO 10,PO11, PO1 2 | PSO1, PSO2, PSO3 |
| 9 | 20/04/2023 TO 20/04/2023 | | | | Review 2 Presentations | CO3, CO6 | PO8,PO1 0,PO 9 | |