MINI PROJECT LOGBOOK

GROUP MEMBERS

1. Dhwani Darji
2. Anuja Agare
3. Aniket Jadhao
4. Ojas Hedau

GUIDE

Prof. Pallavi Khodke

Department of Computer Engineering

Shah & Anchor Kutchhi Engineering College, Chembur

University of Mumbai

2023-2024

STUDENT INFORMATION

Project Title: GlucoSage – Diabetes Risk Predictor

	Student 1	Student 2	Student 3	Student 4
Roll No.	**21UF16744CM134**	**21UF16441CM126**	**21UF16149CM144**	**21UF16824CM143**
Name	**Dhwani Darji**	**Anuja Agare**	**Aniket Jadhao**	**Ojas Hedau**
Class with Division	**TE9**	**TE4**	**TE3**	**TE9**
Contact No.	**9324146171**	**9112310932**	**9763535713**	**9324277010**
Email	**dhwani.darji16744@sakec.ac.in**	**anuja.agare16441@sakec.ac.in**	**aniket.jadhao16149@sakec.ac.in**	**ojas.hedau16824@sakec.ac.in**
Address	**1201,Shreepati Castle,11th Khetwadi,Main Road,Mumbai-04**	**Fl-B- 07/701, Haware Nirmiti, Plot-15, Sec-22, Kamothe, Panvel-410209**	**202- Kapil Vastu CHS plot no 20 Sector 21, Kharghar**	**Type 5, Hi-Five Bldg, Flat No 172, RCF Colony, Chembur, Mumbai – 400071**

PROGRAM EDUCATIONAL OBJECTIVES (PEO'S)

PEO1	Graduates will possess the engineering fundamental knowledge and technical skills to build successful career in various domains.
PEO2	Graduates will analyze real life problems and build feasible and economically acceptable solutions using latest technologies.
PEO3	Graduates will exhibit strong soft skills, teamwork, professional ethics and social responsibilities.

PROGRAM OUTCOMES (POs)

PO's	**OUTCOMES**
PO1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2	Problem analysis: Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusion using first principles of mathematics, natural sciences, and engineering sciences.
PO3	Design/development of solutions: Design solution for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5	Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
PO6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO11	Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO12	Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1	Students will be able to design & develop Computer programs and Automated systems to solve the real-world problems for the benefit of society.
PSO2	Students will be able to work professionally by applying Software Engineering practices, pursue higher studies and build Entrepreneur skills.

DECLARATION

We declare that this project represents my ideas in my own words and wherever others' ideas or words have been included, we have adequately cited and referenced the original sources. We also declare that We 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. We promise to maintain minimum 75% attendance, as per the University of Mumbai norms. We understand that any violation of the above will be cause for disciplinary action by the Institute.

Yours Faithfully

1. _____

2. _____

3._____

4. _____

(Signature of Students)

COURSE OUTCOME(CO) - PO - PSO MAPPING

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

WEEKLY PROGRESS REPORT

Week No.	Date	Contents	Guide Sign.
1	15/01/2024	Discuss project topic	
2	19/01/2024	Finalize project topic “GlucoSage- Diabetes risk predictor”	
3	27/01/2024	Explore different algorithms and installed necessary libraries and did setup for model in Python	
4	03/02/2024	Documented the project details, findings, and did the presentation	
5	15/02/2024	Created user interface and designed frontend using Html, Css, Javascript, Bootstrap	
6	18/03/2024	Designed MongoDB schemas and integrated database operations with backend for data storage	
7	23/03/2024	Implemented user authentication mechanisms for secure access to the application	
8	02/04/2024	Conducted unit tests for frontend and backend components, debugged and resolved issues	
9	13/04/2024	Optimized frontend and backend code for better efficiency and scalability	
10	27/04/2024	Project Review	

Attendance Certificate

To, **Date:**

The Principal
Shah and Anchor Kutchhi Engineering College,
Chembur, Mumbai-88

Subject: Confirmation of Attendance

Respected Sir,

This is to certify that Third Year (TE) students Dhwani Darji, Anuja Agare, Aniket Jadhao, Ojas Hedau have duly attended the sessions on the day allotted to them during the period from _____ to _____ for performing the Project titled GlucoSage – Diabetes Risk Predictor

They were punctual and regular in their attendance. Following is the detailed record of the student's attendance.

Attendance Record:

Date	Dhwani Darji	Anuja Agare	Aniket Jadhao	Ojas Hedau

Prof. Pallavi Khodke

Signature and Name of the Guide