MINI PROJECT
LOGBOOK
Heat Wave Prediction

GROUP MEMBERS

1. Amir Madoo 20104013
2. Chirag Kadam 20104105
3.Anmol Ahirwar 20104131

Project Guide

Prof. Mandar Ganjapurkar

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
PO 1	An ability to apply knowledge of mathematics, science and engineering fundamentals in the field of computing.
PO 2	Critically identify, formulate and evaluate emerging topics and the recent development in the field and Provide solution to futuristic engineering problems.
PO 3	The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental and societal context.
PO 4	Ability in requirement gathering, design and implementation of software with computer systems to analyze and interpret the data.
PO 5	An ability to use the techniques, logical and analytical skills and modern engineering tools necessary for engineering practice.
PO 6	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.
PO 7	An ability to understand an impact of engineering knowledge towards society and environment with need to sustainable solutions.
PO 8	To inculcate professional ethics.
PO 9	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: **Heat Wave Prediction System**

Name of Guide:Mr. Mandar Ganjapurkar

	Student 1	Student 2	Student 3	Student 4
Moodle ID	20104131	20104013	20104105	
Name	Anmol Ahirwar	Amir Madoo	Chirag Kadam	
Class	TEIT-A	TEIT-A	TEIT-A	
Contact No.	9137164996	9322607553	7045044061	

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: Heat Wave Prediction	
Group No. 17	Name of Student 1: Amir Madoo
	Name of Student 2: Chirag Kadam
	Name of Student 3: Anmol Ahirwar
	Name of Student 4:
Name of the Guide: Prof Mandar Ganjapurkar	

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
	20/01/20				Identifying the functionalities of the	CO2,	PO1,	PS

2	23 TO 26/01/2023				Mini Project	CO4, CO3, CO6	PO2, PO9	O1
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,PO10,PO 9	
6	20/02/2023 TO 28/02/2022				Detail ML Algorithm implementation	CO5, CO3, CO6	PO1,PO3,PO7 ,PO9, PO11,PO12	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,PO12	PSO1, PSO2, PSO3

9	20/04/2023 TO 20/04/2023				Review 2 Presentations	CO3, CO6	PO8,PO10,PO 9	