

Faculty of Technology and Engineering
Chandubhai S. Patel Institute of Technology
Department of Computer Science & Engineering

Project Problem Statement for Project-II(WEEK-1)

Project Group ID: CSPIT/CSE/A2			
Student ID:	24CS067	24CS072	24CS076
Name:	Patel Manav	Patel Prince	Patel Srujal
Project Title:	AI Assisted Business Data Analytics & Management System		
Domain of Project Definition:	Business Analytics, Web Development, Artificial Intelligence (Rule-Based), Data Management		
Technology/Methodologies to be used in project:	Frontend: HTML, CSS, JavaScript Backend: Python, Flask Database: SQLite / MySQL Data Analysis: Pandas, NumPy Data Visualization: Chart.js / Plotly.js AI Techniques: Rule-based decision system, basic NLP, anomaly detection Tools: GitHub, VS Code, Browser		

Brief Description about project:	<p>This project focuses on creating a simple web application that helps businesses manage and analyze their data. The system allows users to enter data related to sales, expenses, and customers. The entered data is stored in a database and analyzed using Python libraries. Based on predefined rules, the system provides useful insights such as profit status, loss warning, or unusual changes in data. The results are shown using charts and tables so that users can easily understand the business condition.</p>
Project Deliverables	<p>Project Deliverables:</p> <ul style="list-style-type: none"> • A working web application • Business data entry and management module • Dashboard with charts and analysis • Rule-based insight generation feature • Project documentation including SRS • ER Diagram and Data Flow Diagram
Project Timeline and Team Roles :	<p>The project will be carried out in a phased manner.</p> <p>In the initial phase, all team members will work together on understanding the problem, finalizing requirements, and preparing basic system design including ER diagram and data flow diagram.</p> <p>In the development phase, the work will be divided based on the nature of tasks. One member will focus mainly on backend development and database connectivity, another member will work on data analysis and rule-based logic for generating insights, and the third member will handle frontend design and data visualization. However, the roles are flexible and members will support each other whenever required.</p> <p>In the final phase, all members will jointly work on system integration, testing, debugging, documentation, and deployment of the project.</p>
Project Objectives	<p>To design a web-based system for managing business data</p> <p>To analyze business data and generate meaningful insights</p> <p>To provide automated AI-based suggestions using rule-based logic</p> <p>To visualize business performance using charts and dashboards</p> <p>To support CRUD operations for business records</p>

Student 1 Sign

Student 2 Sign

Student 3 Sign

Assessment Rubric to

evaluate quality of Project Problem Statement:

Criteria	Marks
Clarity of Problem Statement(3)	
Clarity of Language and Presentation(3)	
Overall Impression(4)	
Total (Out of 10)	

Mentor’s Comments:

Mentor’s Sign: