Student Name: SRI RAM SANKAR T S
Project ID: 24
Project Title: STUDENTS SATSIFACTORY SURVEY

Technical Components

Component	Tech Stack
Backend	EXPRESS JS, NODE.JS
Frontend	HTML, CSS, JS,REACT
Database	MONGO DB
API	OpenAPI, RESTFul API

Implementation Timeline

Phase	Deadline	Status	Notes
Stage 1		In progress	Planning and Requirement gathering
Stage 2		Not started	Design and Prototyping
Stage 3		Not started	DB Designing
Stage 4		Not started	Backend Implementation
Stage 5		Not started	Testing & Implementation

PROBLEM STATEMENT:

Create a program to analyze student satisfaction survey data. The input includes student responses on a scale of 1-5 across various categories. The program should calculate average satisfaction scores for each category, identify areas of improvement, and generate a summary report of the results.

PROJECT-FLOW:

Purpose:

To develop a Student Satisfaction Survey system that efficiently collects and analyzes student feedback on various aspects of their college experience.

Scope:

This system includes Google sign-in authentication for users, a user-friendly interface displaying available lab slots, allowing users to book, modify, and cancel reservations, and providing automated reminders for upcoming sessions.

Business Context:

The website aims to enhance the lab utilization experience for students and faculty, improving overall campus resource management and efficiency.

Consideration:

● All users possess active Google accounts for authentication.

 ● Ensure scalability to accommodate future lab additions or changes in scheduling.

Dependencies:

- Firebase Authentication for user authentication.
- Web development technologies (HTML, CSS, JavaScript, etc.).
- Backend server for handling user requests and admin functionalities.

User personas:

- **Regular User:** Students booking lab slots for their coursework.
- **Admin User:** Managing the system and lab information.

User Stories:

- As a regular user, I want to sign in using my Google account to access the booking features, view available lab slots, book a slot, and manage my reservations. As an admin user, I want to log in to the admin panel to manage lab availability, view booking statistics, and modify system settings.

Functional Requirements:

- **User Authentication:** Secure login using Google OAuth.
- **Admin System:** Allow Admin to See responses and manage their satisfactions.
- **Automated Reminders:** Send notifications to users about filling forms.
- **Admin Panel:** Allow admin users to log in and provide functionality to manage

FLOW CHART:

STUDENTS LAB SLOT BOOKING

STUDENT LOGIN PAGE (AUTHENTICATION)

STUDENT INTERFACE

Admin

Student Survey Form

Checking List

NO

FRONTEND: HTML,CSS,JS,React	BACKEND: NODE JS, EXPRESS JS
DATABASE: MONGO DB	API: RESTFUL API

Filling Methods

Analysis Report

Sending Email

Google Form

Metric Design

Chart Js

Pie Chart / Bar Graph