



**Student Name: SENTHIL PRABHU B**

**Seat No: 74**

**Project ID:**

**37**

**Project title: 360 degree feedback generation**

#### Technical Components

Component	Tech Stack
Backend	Spring Boot
Frontend	React.js
Database	MySQL
API	RESTful services

#### Implementation Timeline

Phase	Deadline	Status	Notes
Stage 1	31/07/2024	Completed	Planning and Requirement gathering
Stage 2	08/01/2025	In Progress	Design and Prototyping
Stage 3		Not started	DB Designing
Stage 4		Not started	Backend Implementation
Stage 5		Not started	Testing & Implementation

## **PROBLEM STATEMENT:**

The decentralized nature of email communication within the educational institution presents several challenges, including:

- **Inconsistent Messaging:** Emails are sent independently by different departments, leading to duplication and mixed messages.
- **Schedule Conflicts:** Students and faculty receive overlapping emails, causing confusion and missed information.
- **Fragmented Communication:** Important updates get lost in a sea of emails.
- **Administrative Burden:** Managing email lists and ensuring timely delivery is cumbersome for staff and faculty.

## **PROJECT FLOW:**

### **Purpose:**

The purpose of the 360-degree feedback generator is to create a comprehensive and centralized system for collecting, analyzing, and providing feedback from various sources within an organization. This tool aims to enhance the feedback process by providing a holistic view of an individual's performance, ensuring transparency, and facilitating professional development.

### **Scope:**

The project involves developing a web application that allows users to log in, input feedback data, categorize feedback, and generate detailed reports. The system will integrate with existing organizational tools and ensure secure access and data management through a robust authentication system.

### **Project Steps:**

- **Login and Authentication:** Users access the system using a secure login process powered by Google OAuth, ensuring that only authorized personnel can provide or view feedback.
- **Home Page Access:** After logging in, users are directed to the home page, where they can navigate to various features of the feedback generator, such as entering feedback data or viewing reports.
- **Sign-Up Process:** New users can sign up for the feedback system by providing necessary details and connecting their Google account for authentication.

- **Feedback Data Input:** Users can input feedback data, including qualitative and

quantitative feedback, through forms or by uploading Excel files.

- **Categorization of Feedback:** The system organizes feedback into categories and subcategories, such as strengths, weaknesses, and development areas, allowing for targeted analysis.
- **Feedback Analysis:** The system automatically analyzes the feedback, identifying trends, patterns, and areas for improvement across different categories and subcategories.
- **Report Generation:** Detailed feedback reports are generated, highlighting key insights and providing a comprehensive view of the individual's performance from multiple perspectives.
- **Visual Dashboard:** A dynamic dashboard allows users to interact with the data, visualize feedback trends, and drill down into specific areas for a deeper understanding.

## **FUNCTIONAL REQUIREMENTS:**

- **User Authentication:** Secure login using Google OAuth to ensure that only authorized users can access the system.
- **Mailer Request Form:** Users can submit requests through a form, specifying email content, scheduling, category, and intended recipients.
- **Conflict Resolution:** The system automatically detects scheduling conflicts and provides options to adjust timings.
- **Dynamic Dashboard:** A real-time dashboard where users can view and manage their schedules effectively.
- **Priority Algorithm:** Communications are prioritized based on predefined rules to ensure critical information is disseminated first.

## FLOW CHART:



