BANNARI AMMAN INSTITUTE OF TECHNOLOGY
An Autonomous Institution Affiliated to Anna University - Chennai, Accredited by NAAC with A+ Grade
Sathyamangalam - 638401 Erode District, Tamil Nadu, India

Software Requirements Specification

Student Name: JAISURYA M **Seat No:** 184

Project ID **:** 24 **Roll no :** 7376222CB117

Project title: Student Satisfaction Survey

Table of contents

1. INTRODUCTION

1.1. PURPOSE

This document aims to provide a detailed description of the Student Satisfaction Survey System. It outlines the system's purpose,features, interfaces, constraints, and how it responds to external stimuli.

1.2 . SCOPE OF THE PROJECT

The Student Satisfaction Survey System serves as a platform for students to provide feedback on various aspects of their academic experience. It includes functionalities for survey creation, distribution, response collection, and data analysis.

2. SYSTEM OVERVIEW

2.1. USERS

The system caters to two main user roles: **Students and Faculty**

Students: Can access and complete satisfaction surveys.

Faculty : Can view and set surveys, view responses and analyze data.

2.2. FEATURES

The system includes features such as survey creation, distribution, response collection, data analysis, and reporting.

3. SYSTEM REQUIREMENT SPECIFICATION

3.1. FUNCTIONAL REQUIREMENTS

User Management:

- Students can log in to give responses to surveys.
- Faculty members can log in to set questions and to view survey responses.

Survey Creation:

- Faculty members can create new surveys, specifying questions and response options.

Survey Distribution:

- Surveys are distributed to students via their accounts and batches.

Response Collection:

- Students can complete surveys and submit responses.

Data Analysis:

- Faculty members can view survey responses and analyze data.

Reporting:

- The system generates reports summarizing survey responses

3.2.NON-FUNCTIONAL REQUIREMENTS

Performance:

- The system must handle a large number of simultaneous survey submissions without significant performance degradation.

Security:

- User authentication and data encryption mechanisms ensure the security of user information and survey responses.

Usability:

- The user interface should be intuitive and easy to navigate, facilitating seamless survey completion.

Reliability:

- The system should be available 24/7 with minimal downtime to ensure continuous survey access.

Scalability:

- The system should be scalable to accommodate an increasing number of users and surveys over time.

4. TECHNICAL STACK

Frontend:

- **HTML**
- **CSS**
- **JS**

Backend:

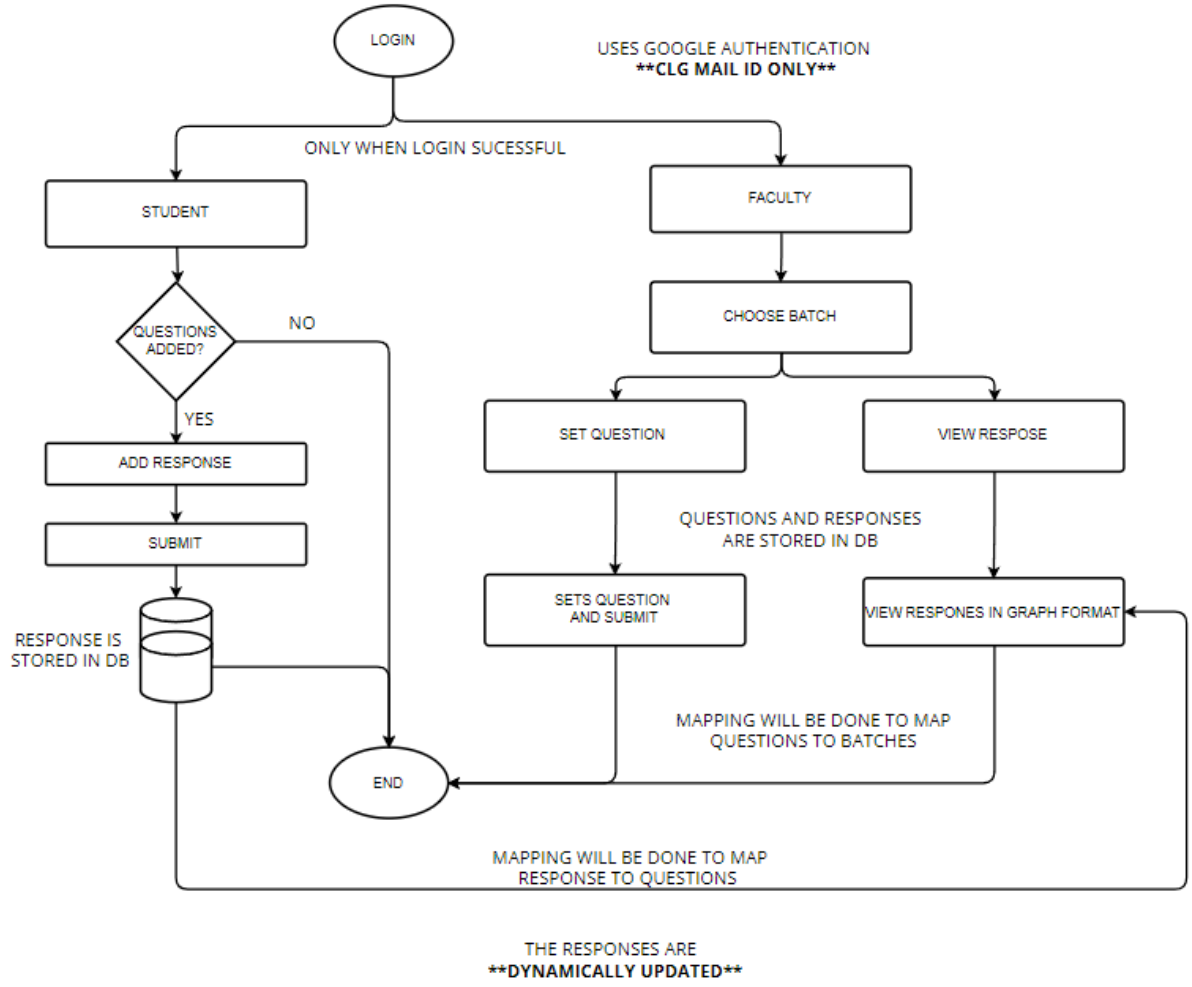
- **LINUX**
- **APACHE WEB SERVER**
- **PHP with LARAVEL FRAMEWORK**

Data Base:

- **MYSQL**

A LAMP stack is a collection of four open-source software technologies that developers use to create, host, and maintain websites and web applications.

5. WORKFLOW


LOGIN
USES GOOGLE AUTHENTICATION
CLG MAIL ID ONLY
ONLY WHEN LOGIN SUCESSFUL
STUDENT
FACULTY
QUESTIONS ADDED?
NO
YES
ADD RESPONSE
SUBMIT
CHOOSE BATCH
SET QUESTION
VIEW RESPOSE
QUESTIONS AND RESPONSES ARE STORED IN DB
SETS QUESTION AND SUBMIT
VIEW RESPONES IN GRAPH FORMAT
RESPONSE IS STORED IN DB
MAPPING WILL BE DONE TO MAP QUESTIONS TO BATCHES
END
MAPPING WILL BE DONE TO MAP RESPONSE TO QUESTIONS
THE RESPONSES ARE
DYNAMICALLY UPDATED

6. ER DIAGRAMS