Software Requirement Specification for Disciplinary Portal

Name	Subasri Harsitha R S
Roll no	7376221EC321
Seat no	
Project ID	35
Problem Statement	Disciplinary Portal

1.1. Purpose:

The purpose of this document is to present a detailed description of the Disciplinary portal. It will explain the purpose and features of the system, the interfaces of the system, what the system will do, the constraints under which it must operate and how the system will react to external stimuli.

1.2. Scope of Project:

- This software system will serve as a portal for the Disciplinary portal enabling staffs to report disciplinary issues. From an administrative perspective, this system will provide a comprehensive **analytical dashboard for Discipline oversight**.

- Faculty members can safely log in to the portal and fill out a thorough form to submit disciplinary occurrences. The form has fields for the student's roll number,

department, year of study, location, time of occurrence, and a description of the problem. Once submitted, the form is visible to the administrative team.

- The administration team then determines whether further investigation is required. If so, they describe the date of the investigation, the findings, the steps taken, and the recommendations, which may include no suspension with specific action or suspension with set days and attendance data.

2. System Overview:

2.1. Users:

- **1.Faculty**:
  They have the ability to report incidents in disciplinary portal.

- **2. Admins:**
  The admin team then determines whether further investigation is required. If so, they describe the date of the investigation, the findings, the steps taken, and the recommendations, which may include no suspension or suspension with specific dates and attendance information.

2.2. Features:

- **Login and Registration:**
  Faculty Access: Faculty members can securely log in using their credentials to access the disciplinary reporting portal.

- **Disciplinary Issue Reporting Form:**

  Submission of Details: Faculty can submit a report detailing the student's disciplinary issue. The form includes fields such as the student's roll number ,Name department, year of study, place, time of the incident, and a description of the issue. Relevant attachments can also be included.
  Submission to Admin*:* Once the report is completed, it is submitted to the admin interface for review.

- **Admin Review and Action**:

  - ***Admin Access****:* Admins can view all submitted reports, categorized by type or severity of the incident.
  - ***Enquiry Decision****:* Admins decide whether the issue requires further enquiry. If an enquiry is needed, the admin documents the date, findings, and actions to be taken.

- ***Recommendations***: Based on the enquiry, the admin can recommend no suspension (with appropriate actions) or a suspension (specifying the dates and the student's attendance percentage at the time of suspension).

- **Admin's Analytical Dashboard**:

  Dashboard Overview: Admins have access to a dashboard that displays an overview of all reported incidents. The dashboard also includes data on follow-up requests, enquiry outcomes, and logs of the latest actions taken on all reports.

3. System Requirements Specification:

3.1 Functional Requirements:

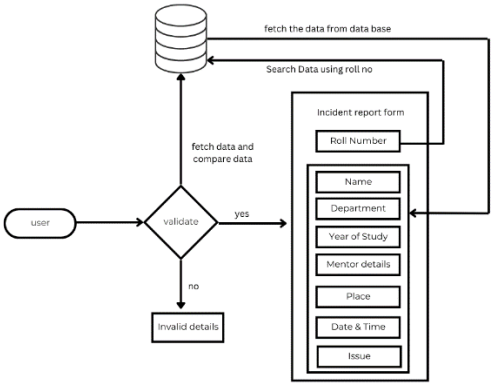
- **User Management:** Staffs can login and register a disciplinary action.
- **Incident report:**
  - Students can submit form with required details.
  - form contains:
    - Name
    - Roll Number
    - Department
    - Year of Study
    - Mentor details
    - Place
    - Date & Time
    - Issue

- **Admin Dashboard:**
  - Admins can view a list of all submitted disciplinary forms.
  - Admins can decide whether an enquiry is need or not need for an particular issue

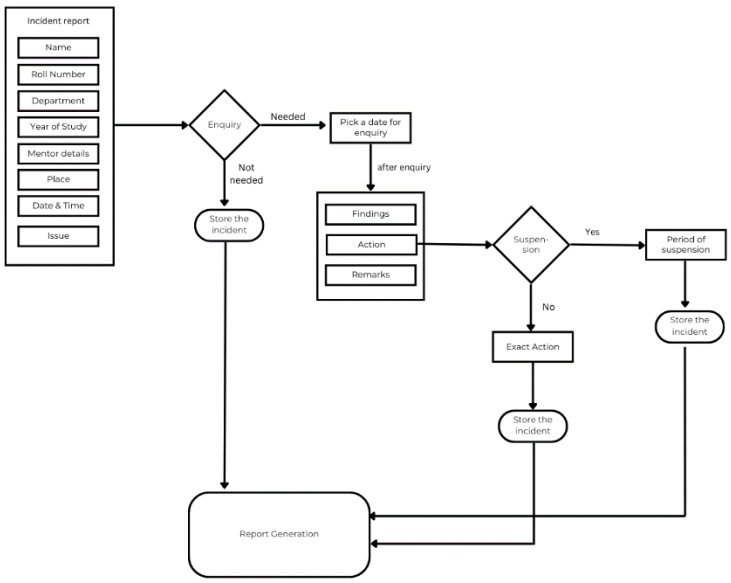
- **Admin Access and Review:**
  - Reports are automatically organized in a structured format for easy review by the admin team.
  - Admins assess the need for further enquiry and document the following:
    - Date of enquiry
    - Findings
    - Actions taken
    - Recommendations (e.g., suspension details or other disciplinary actions)

Flow Chart:

User interface:



Admin Interface:



3.2. Non-Functional Requirements:

- Performance: To guarantee effective usability, the system must react to user input in less than two seconds. It must also be able to manage a minimum of 100 concurrent users without experiencing appreciable performance deterioration.
- Security: Authorised admin users should only be able to access sensitive functionality via secure authentication techniques, and user data must be secured both during transmission and storage.
- Usability: In the event of input errors or system malfunctions, users should be guided by clear and concise error messages that are presented in the user interface.
- Reliability: In the event of a system failure or crash, data loss should be prevented by having a backup and recovery mechanism in place, and the system should be available around-the-clock with little downtime.
- Scalability: The system should be built to facilitate future expansion of features and functionalities in response to needs, and it should be scalable to handle an increasing number of users and data volume over time.