

## PROJECT TITLE: Tracking the students check in check out and activity logs of individual

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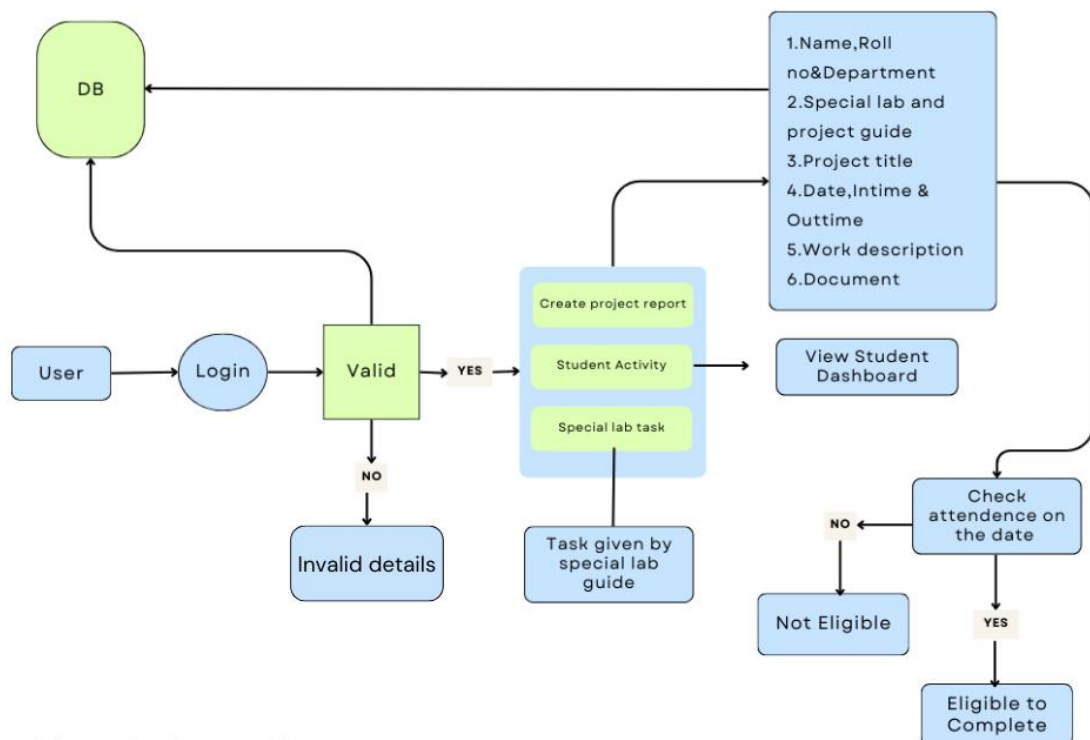
PROJECT ID: 03

ROLL NO:7376222BT112

Component	Tech Stack
Backend	Python
Frontend	HTML, CSS, JS
Database	MySQL
API	RESTful services

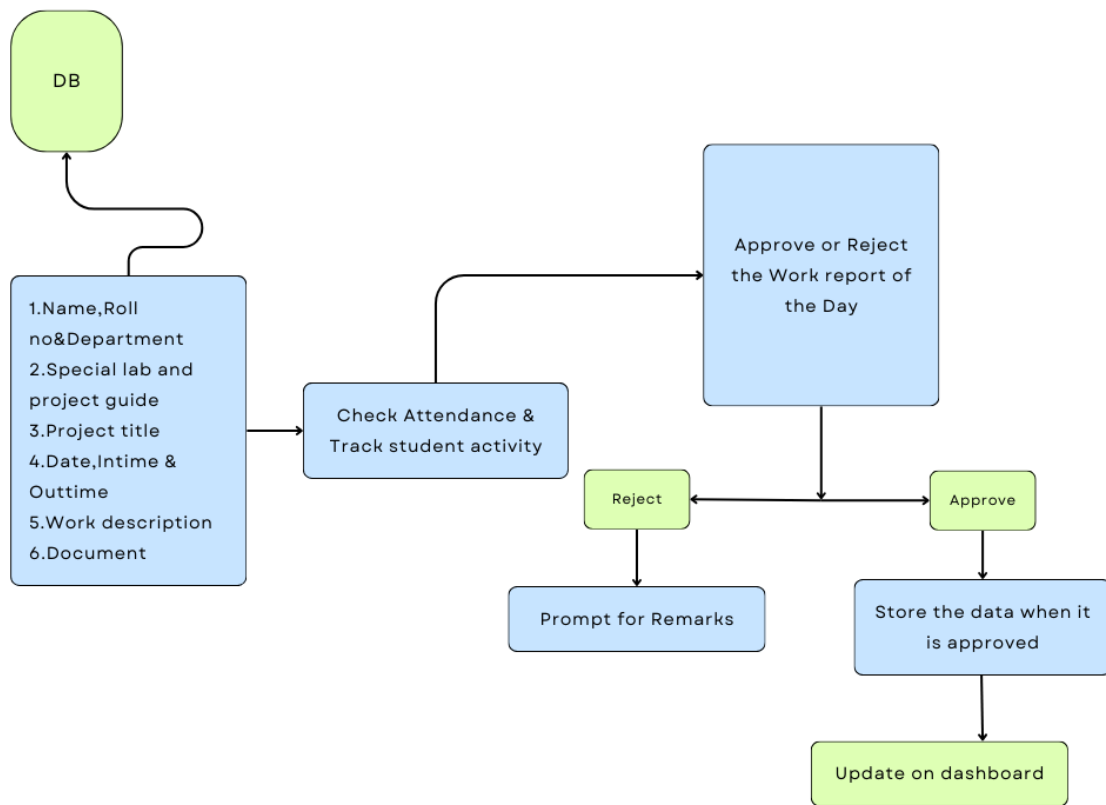
WORK FLOW:

USER:

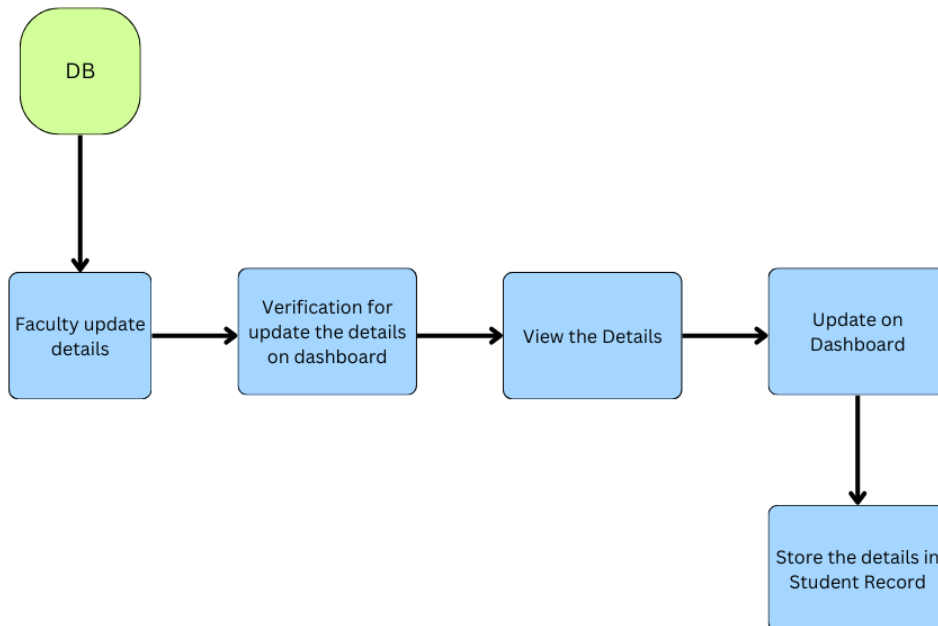


User's Interface

## FACULTY:



## ADMIN:



Admin's Interface

## **PROBLEM STATEMENT:**

### **Comprehensive Student Activity and Project Tracking System**

In educational institutions, efficiently managing student activities, attendance, and project progress is crucial. Traditional methods of tracking these activities can be time-consuming, error-prone, and lack real-time updates. To address these challenges, there is a need for a digital system that automates and streamlines the process of tracking student check-ins/check-outs, logging activities, and monitoring project progress under the supervision of faculty members.

## **PROJECT-FLOW:**

### **Purpose:**

The purpose of this project is to develop a web-based system to track student check-in and check-outs, log their activity workflows, and provide an administrative interface for verifying and managing these records. This system aims to improve transparency, accountability, and efficiency in monitoring student activities within an educational environment.

### **Scope:**

The scope of this project includes the development of both the student and admin interfaces. The student interface will allow students to check in and out of the system, as well as log their workflow activities. The admin interface will enable administrators to review, verify, and manage these logs. Additionally, the system will include features for generating and exporting reports, and it will be designed to ensure data security and integrity.

- Students:
  - Check-in/check-out using BIT mail id, biometric systems, or Wiki mobile applications.
  - Log daily activities and special project updates.

- Faculty:
  - Access to a dashboard to monitor student check-ins/check-outs.
  - Review and approve or request modifications on activity logs.
  - Oversee project progress and provide necessary feedback or approval.

### **Functional Requirements:**

- Technical Requirements:
  - A web-based application or mobile app for logging check-ins/check-outs and activities.
  - A database system to store student data, activity logs, and project updates.
  - User authentication and authorization mechanisms to ensure secure access.
- Functional Requirements:
  - Real-time tracking and logging of student attendance.
  - User-friendly interfaces for students to log activities and project updates.
  - Notification system for faculty to review pending approvals.
  - Reporting tools to generate summaries of student activities and project progress.
- Non-Functional Requirements:
  - High availability and reliability to ensure the system is accessible at all times.
  - Scalability to accommodate a growing number of students and faculty members.
  - Data privacy and security to protect sensitive information.