

# PROJECT WORK MARK CONSOLIDATION SYSTEM

**NAME:** Vaishree U G

**ROLL NO:**7376222CT157

**SEAT NO:**87

**PROJECT ID:**7

COMPONENTS	TECH STACK
FRONTEND	React.js
BACKEND	Spring Boot (java)
DATABASE	MySQL

## DESCRIPTION:

Build the system for calculating project reviews mark for individuals based on the constrain given by the admin. The calculated mark must be displayed in the individual student login. Provide analytics and reporting capabilities for data analysis.

## **PROJECT-FLOW:**

### **PURPOSE:**

To develop a website that manages and view a system for calculating project review marks based on admin-defined criteria where marks were give and updated by three reviews by PMC, providing transparency and fairness in the review process. Providing a single platform for students, Guide, and administrators to access and manage all project review status of student .

### **SCOPE:**

Secure login for students and administrators Admin defines review criteria and weights for different aspects Calculated marks are displayed in the individual student login. Automates mark calculation and simplifies project review management. Saves time and resources for both students and administrators.

### **SYSTEM DESIGN:**

**User Authentication:** Integrate Google OAuth for secure login. This ensures that all users can authenticate using their BIT accounts.

**Dynamic Dashboard:** Create a dynamic dashboard where users (students, faculty, and admin staff) can view project review marks an admin can update marks which was updated by PMC and guide

### **USER PERSONAS:**

**Student:** Needs access to a view their project work output marks. Requires a user-friendly interface for viewing the project work mark.

**Faculty:** Needs to send out guide mark to admin. view individual students dashboard those who are coming under their guidance

**Admin :** Manages system operations, resolves conflicts. Requires access to administrative features for managing the system. Update date of review, marks given by pmc and guide to students dashboard

## USER STORIES:

**Student:** As a student, I want to view a unified schedule of my reviews and status of my project review. As a student, I want real-time updates on schedule changes and communications relevant to my activities.

**Faculty:** As a faculty member, I need to ensure my guidance students review marks. As a faculty member, I want students review status which are come under guidance.

**Admin Staff:** As an admin staff member, I need to manage system operations efficiently and update marks to students under some criteria based on average three of review marks given by PMC. As an admin staff member, I want to monitor the system's performance and address any issues promptly. Admin need to get review marks from excel sheet.

## FUNCTIONAL REQUIREMENTS:

**User Authentication:** Implement Google OAuth for secure login.

**Review Status:** Students can view the current status of their review and also their project marks. Guide can see their guidance students details and update their marks

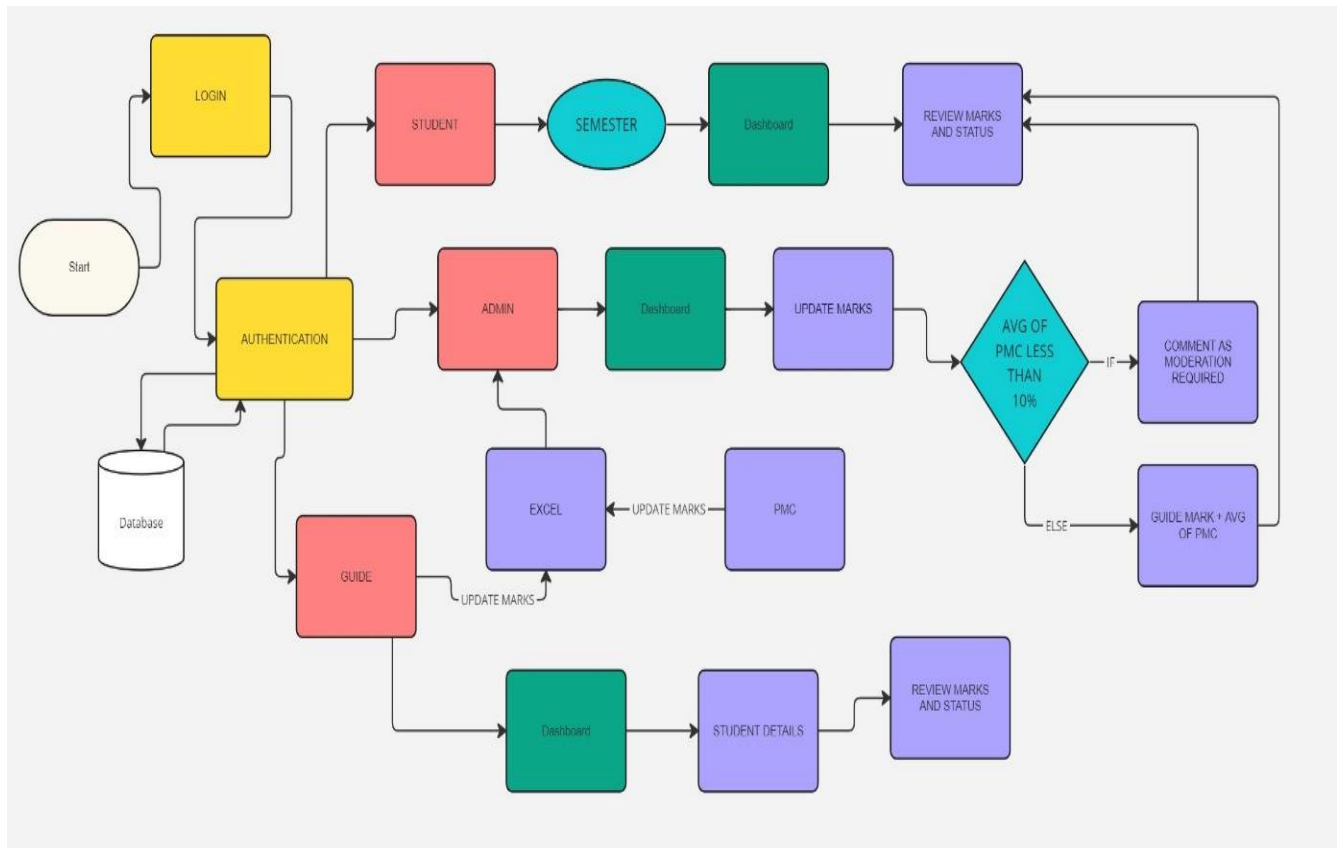
**Analytics Dashboard:** Admin can update the project and review marks given by PMC and guide via excel sheet and can also access guide and students dashboard.

**User Management:** Students can register and login. Admins have access control with an analytical dashboard and dedicated features .

## **NON-FUNCTIONAL REQUIREMENTS:**

- **Performance:** The system must respond to user actions within 2 seconds to ensure efficient usability and must handle a concurrent user load of at least 100 users without significant performance degradation.
- **Security:** User data must be encrypted during transmission and storage, and access to sensitive functionalities should be restricted to authorized admin users through secure authentication mechanisms.
- **Usability:** The user interface should be intuitive and user-friendly, with clear and concise error messages provided to guide users in case of input errors or system failures.
- **Reliability:** The system should be available 24/7 with minimal downtime and should have a backup and recovery mechanism in place to prevent data loss in case of system failures or crashes.
- **Scalability:** The system should be designed to accommodate an increasing number of users and data volume over time, and it should be scalable to support additional features and functionalities as per future requirements.

## FLOW CHART:





### **BIT REVIEW PORTAL**

USER NAME

PASSWORD

LOGIN

or login with



GOOGLE SIGN IN



## DASHBOARD



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GUIDE:

RAJASEKAR M  
CSBS

### REVIEW 1

COMPLETED

TITLE	
MARKS	
REVIEW DATE	

### REVIEW 2

ONGOING

TITLE	
MARKS	
REVIEW DATE	

### REVIEW 3

PENDING

TITLE	
REVIEW DATE	
MARKS	

### PROJECT STATUS

GUIDE MARK :

PMC MARK :

STATUS :



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LIST OF STUDENTS

1.VAISHREE U G

2.AISHWARYA V

3.SANGEETHA D

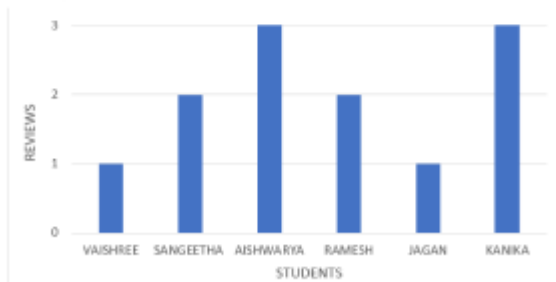
4.KANIKA S

5.JAGAN T

6.RAMESH R



ADD MARKS







ADMIN



STUDENT

GUIDE

PMC

### REVIEW MARK

REVIEW 1

REVIEW 2

REVIEW 3

### GUIDE



MS.SARANYA H

DR.DINESHKUMAR P

MR.SATISHWARAN S

MS.REVATHI R

DR. KANNAN N

MR.THARUN A