

StudentName : SATHGURU S

ROLL NO :7376221MC142

Seat No : 385

Project ID : 32

Project title : valuation automation

Technical Components

Component	Tech Stack
Frontend	React (JS library for creating user interfaces)
Backend	Node.js with Express.js
Database	MongoDB(NOSQL Database)
API	Open API

Implementation Timeline

Phase	Deadline	Status	Notes
Stage 1		In progress	Planning and Requirement gathering
Stage 2		Not started	Design and Prototyping
Stage 3		Not started	Database Design and Implementation
Stage 4		Not started	Backend Development
Stage 5		Not started	Implementation & Testing

PROBLEM STATEMENT

Develop a web-based system for automating the valuation process of exam papers for a faculty, ensuring efficient allocation and calculation of correction amounts based on assigned roles.

- **Login page for (COE):** secure access with COE credentials to assign and oversee correction task.

- **Role-based Allocation:** Assign responsibilities and payment structures tailored to each role
- **Calculation Logic:** Implement algorithms to dynamically calculate correction amounts based on assigned roles and paper types (UG/PG).

PROJECT-FLOW:

Purpose:

the process of correcting exam papers by assigning roles, calculating correction amounts accurately and efficiently, providing real-time reporting, ensuring data security, and enhancing overall efficiency in academic assessment processes.

Scope:

the process of correcting exam papers by assigning specific roles to faculty members such as Chief Examiner, Board Member, Examiner, Tabulator, and Data Entry Operator. Each role is responsible for different aspects of the correction process, with calculations of correction amounts tailored to their duties.

Consideration:

- Efficiency in paper correction and calculation.
- Accuracy and consistency in evaluation.

Dependencies:

- **Technological:** Reliance on web-based technologies for user interface and backend operations.
- **Data:** Integration with databases for storing faculty details, paper corrections, and calculation results.

User person's:

Chief of Examination (COE): Logs into the system to allocate roles, monitor progress, and review correction amounts.

Administrators: Set up user permissions, troubleshoot issues, and maintain system security.

Faculty Members: Correct exam papers according to assigned roles and enter correction data.

Functional Requirements:

User Authentication: secure login system for COE members using email and password authentication.

Role-Based Access: Define roles (Chief Examiner, Board Chairman, Examiner, Tabulator, Data Entry Operator) with specific permissions for accessing and performing tasks within the system.

Task Management: assign exam paper correction tasks to faculty members based on their roles and availability.

Dynamic Dashboard: Real-time viewing and calculation for faculty roles.

Flow chart:

