



**Student Name:** SHANMUGA SUNDARAM S

**Seat No:** 422

**Project ID:** 22

**Project title:** Wiki page Generation

### Technical Components

COMPONENT	TECH STACK
Backend	NODE.js
Frontend	REACT.js
Database	MongoDB
API	REST Ful API

### Implementation Timeline

Phase	Deadline	Status	Notes
Stage 1	04/05/2024	In progress	Planning and Requirement Gathering
Stage 2		Not started	Design and UI/UX Prototyping
Stage 3		Not started	Database Design and Implementation
Stage 4		Not started	Backend Development
Stage 5		Not started	Integration and Testing
Stage 6		Not started	Deployment

## **PROBLEM STATEMENT:**

Develop a web-based College Course Management System allowing users to access and manage course information based on their roles. Users log in using college email addresses, with admins, faculties, and students having different access levels. The system features a dashboard for course management by regulations, departments, and semesters. Admins can add, edit, and delete courses; faculties can upload materials and videos; and students can view course details. Uploaded materials undergo vetting before being added to the course page, with vetting persons approving or rejecting them.

## **PROJECT-FLOW:**

### **Purpose:**

Develop a web-based College Course Management System to efficiently manage course-related information for admins, faculties, and students.

### **Scope:**

The system includes user authentication, a dashboard for course management, vetting processes for uploaded materials, and a "View Source" option for faculties to edit course pages.

### **Business Context:**

The system aims to streamline course management processes in BIT, enhance communication between stakeholders, and improve overall organizational efficiency. Primary stakeholders include admins, faculties, and students.

### **Consideration:**

- Admins have full access to course management functionalities.
- Faculties can upload materials and videos for their courses.
- Students can view course details and materials.

**Dependencies:**

- Integration with Google OAuth for user authentication.
- Consistent performance and availability of the system.

**User personas:**

- Admin: Manages course additions, edits, and deletions.
- Faculty: Uploads materials and videos for courses.
- Student: Views course details and materials.

**User Stories:**

- Admin: Needs to efficiently manage courses and user roles.
- Faculty: Requires an easy way to upload and manage course materials.
- Student: Wants a user-friendly interface to access course information.

**Functional Requirements:**

- User Authentication: Secure login using Google OAuth.
- Dashboard: Displays options to manage courses by regulations, departments, and semesters.
- Vetting Process: Materials and videos undergo a vetting process before being added to course pages.
- View Source: Faculties can edit course pages through a "View Source" option.

FLOW CHART

