Stay Ahead

BANNARI AMMAN INSTITUTE OF TECHNOLOGY

An Autonomous Institution Affiliated to Anna University - Chennai, Accredited by NAAC with A+ Grade

Sathyamangalam - 638401 Erode District, Tamil Nadu, India

Student Name: THIRAN V

Seat No: 382

Project ID: 22

Project title: Wiki Page Generation

Technical Components

Component	**Tech Stack**
Backend	Express.js, Node.js
Frontend	Angular
Database	MongoDB
API	RESTful services

Implementation Timeline

Phase	**Deadline**	**Status**	**Notes**
Stage 1	04/05/2024	completed	Planning and Requirement gathering
Stage 2		ON-GOING	Design and Prototyping
Stage 3		Not started	DB Designing
Stage 4		Not started	Backend Implementation
Stage 5		Not started	Testing & Implementation
Stage 6		Not started	Deployment

PROBLEM STATEMENT:

Provide an easy-to-use portal where students can develop and approve course materials. wiki markup code should be automatically generated based on input. Features include feedback mechanisms, version control, user authentication, content approval, preview, and integration with wiki platforms. For a seamless user experience and quality assurance, make sure there is thorough testing and documentation.

PROJECT-FLOW:

Purpose:

The portal's objective is to streamline the approval and content development processes by automating the creation of wiki pages for courses. Generated code makes sure that wiki platforms integrate seamlessly, improving accessibility and spreading instructional resources.

Scope:

The portal makes it easier to efficiently create and approve wiki pages for courses. After content is developed within the portal and approved by the system, wiki-compatible code is automatically generated by the system. This makes content management more efficient, guarantees consistency, and makes uploading content to wiki platforms easier.

Business Context:

In educational institutions or corporate training environments, this portal expedites the creation and approval of course materials for wiki pages. It optimizes content management workflows by automating the generation of wiki-compatible code, ensuring swift and accurate dissemination of approved educational content.

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 existing email server.

User personas:

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

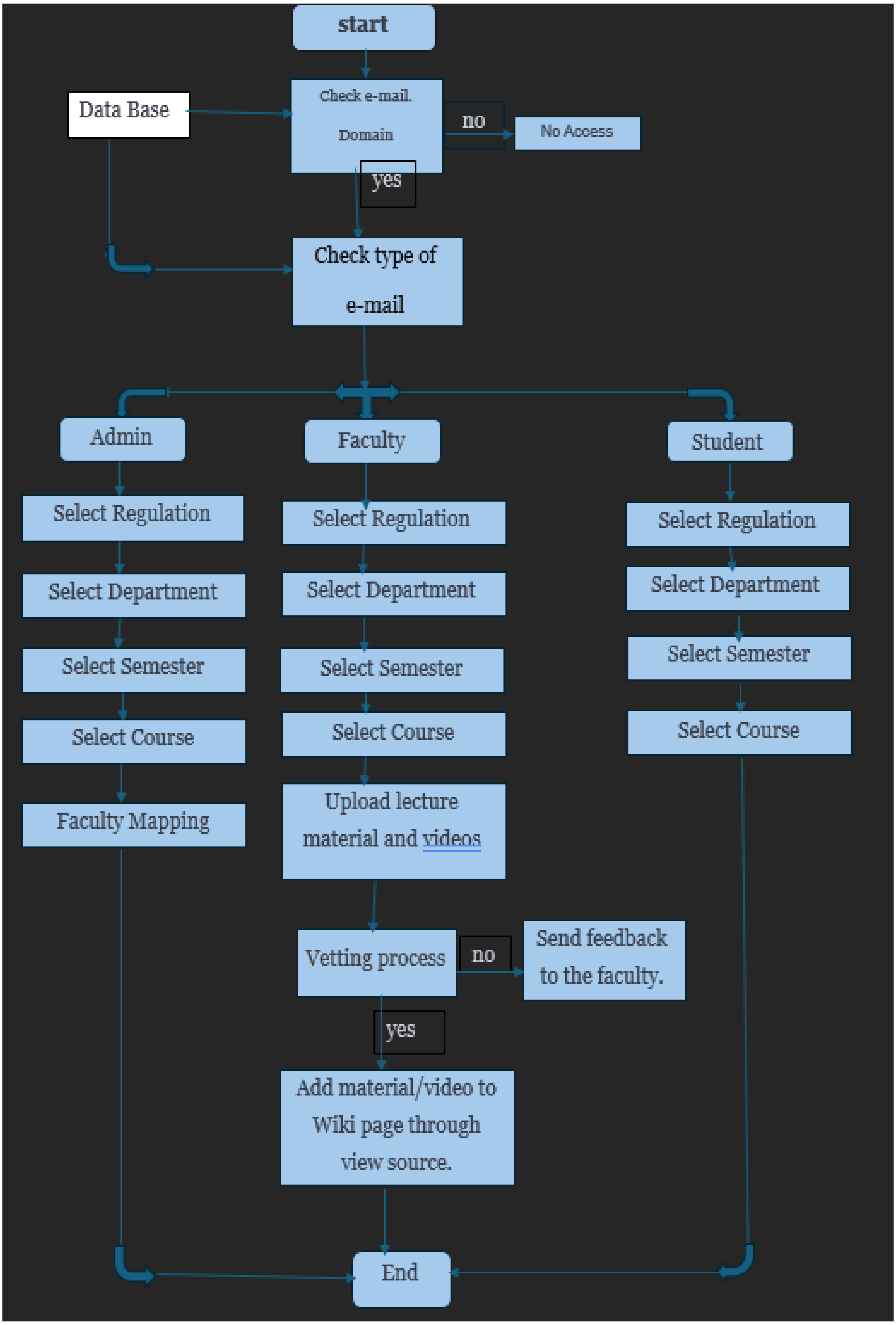
User Stories:

- 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:


start
Data Base
Check e-mail.
Domain
no
No Access
yes
Check type of
e-mail
Admin
Faculty
Student
Select Regulation
Select Department
Select Semester
Select Course
Faculty Mapping
Select Regulation
Select Department
Select Semester
Select Course
Upload lecture
material and videos
Vetting process
no
Send feedback
to the faculty.
yes
Add material/video to
Wiki page through
view source.
Select Regulation
Select Department
Select Semester
Select Course
End