



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 : NITHYA SHREE C K

Seat No : 114

Project Id : 01

Project Title : Assessment Portal

Technical Components:

Component	Technical Stack
Frontend	Vue.js
Backend	Node.js, Express.js
Database	MongoDB
API	OpenAPI

Implementation Timeline:

Phase	Deadline	Status	Notes
Stage 1	23.07.2024	Approved ▾	Planning and requirement gathering
Stage 2		Not Started ▾	Design and prototyping
Stage 3		Not Started ▾	Database designing
Stage 4		Not Started ▾	Backend implementation
Stage 5		Not Started ▾	Testing and integration

PROBLEM STATEMENT:

In the academic environment of BIT Sathy, there is a pressing need for an efficient assessment platform. The objective is to create a portal with distinct logins for students, faculty, and administrators using BIT Sathy mail IDs. This platform will enable students to submit assessments and faculty to review them efficiently. An admin dashboard will provide comprehensive statistics and insights on assessments for review. Automated notifications and updates on assessment submissions and results will enhance transparency. The scope includes secure submission processes, and strict compliance with data protection regulations. The benefits include improved communication, timely feedback, and proactive academic improvements. The primary deliverables include a fully functional portal and a user-friendly interface.

PROJECT FLOW:

PURPOSE:

To design and implement a comprehensive online assessment platform for BIT Sathy that caters to the needs of both students and faculty members, ensuring secure submissions, transparency, and automated feedback tracking.

SCOPE:

- Separate login credentials for students, faculty and admin using BIT Sathy mail IDs.
- Submission and review of assessments.
- Admin dashboard for reviewing assessment statistics.
- Automated updates on assessment submissions and results.

BUSINESS CONTEXT:

BIT Sathy, a prominent educational institution, faces escalating concerns regarding the management and transparency of assessments for both students and faculty members. The implementation of an efficient assessment platform aligns with our institute's commitment to transparency, accountability, and fostering a supportive academic environment. Handling assessments promptly and effectively enhances stakeholder satisfaction and promotes trust.

CONSIDERATIONS:

- Security measures to protect user data.
- Confidentiality and integrity of assessment submissions.
- Integration with existing IT infrastructure.

DEPENDENCIES:

- Integration with BIT Sathy's mail system for login credentials.
- Integration with Google OAuth for user authentication.

USER PERSONAS:

- **Students:** Concerned about submitting assessments, receiving feedback, and viewing results.
- **Faculty Members:** Responsible for creating, assigning, and grading assessments.
- **Admin Team:** Responsible for reviewing aggregated assessment data to identify trends and ensure compliance with academic standards.

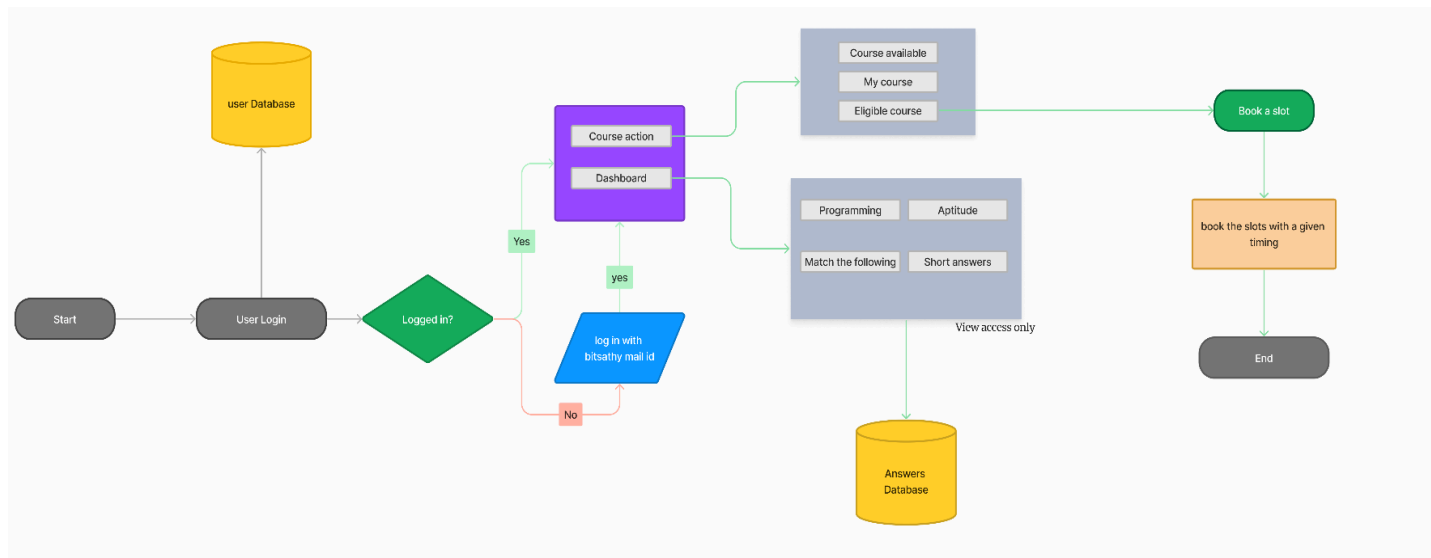
USER STORIES:

- As a student, I want to submit my assessments online securely and receive timely feedback.
- As a faculty member, I want to create and grade assessments efficiently and provide feedback to students.
- As a member of the admin team, I want to review aggregated assessment data to identify trends and ensure timely resolution of any issues.

FUNCTIONAL REQUIREMENTS:

- User authentication and authorization.
- Assessment submission forms for students.
- Assessment creation and grading tools for faculty.
- Admin dashboard for reviewing assessment statistics.
- Automated updates on assessment submissions and results.

USER'S INTERFACE:



ADMIN'S INTERFACE:

