

BANNARI AMMAN INSTITUTE OF TECHNOLOGY

STUDENT NAME : ARTHI S

PROJECT ID: 29

PROJECT TITLE: COURSE FILE AUTOMATION

STACK: LAMP STACK

TECHNICAL COMPONENTS

COMPONENT	TECH STACK
Frontend	HTML,CSS,Javascript
Backend	Linux,Apache web server,MySQL,PHP
Database	MySQL
API	Rest ful API

PROBLEM STATEMENT:

The academic process within an educational institute involves a comprehensive set of activities and documentation requirements to ensure quality education and compliance with institutional standards. These activities span from the initial establishment of vision and mission statements to the final assessment and feedback collection. The challenge is to create a structured and clear flowchart that captures all the steps and documentation requirements involved in this process.

PROJECT FLOW:

PURPOSE:

The purpose of this project is to create a structured and detailed flowchart that visualizes the academic process and documentation requirements within an educational institute. This aims to improve clarity, organization, and compliance, streamline processes, and enhance quality assurance. The flowchart will aid in efficient management and decision-making, ensuring proper documentation and accountability for each step.

BUSINESS CONTEXT:

In the competitive landscape of higher education, institutions must maintain rigorous academic standards, ensure regulatory compliance, and provide high-quality education to attract and retain students. Efficiently managing academic processes and documentation is critical for accreditation, enhancing institutional reputation, and achieving educational excellence. By creating a detailed and structured flowchart, the institution aims to streamline operations, improve clarity, and ensure all academic activities are systematically organized and accounted for, thereby supporting continuous improvement and sustaining competitive advantage.

CONTEXT:

- Ensure regulatory compliance and gather input from stakeholders for comprehensive Insights.
- Design the flowchart for flexibility and scalability to accommodate future changes. Maintain clarity, usability, and accurate documentation throughout the academic process.

DEPENDENCIES:

- Accurate and up-to-date academic data is essential. Active collaboration from faculty, staff, and students is required.
- Access to appropriate technological tools for creating and sharing the flowchart is necessary.

USER PERSONAS:

- **Faculty Member:** Delivers course content and manages assessments, needing clear guidelines for documentation and procedures.
- **Administrative Staff:** Manages schedules and compliance, requiring efficient tools for tracking and organizing processes.
- **Head of Department (HoD):** Oversees departmental activities and performance, needing a comprehensive overview for decision-making.

USER STORIES:

- **As a Faculty Member,** I need clear guidelines for course documentation and assessments so I can ensure consistency and compliance.
- **As an Administrative Staff,** I need efficient tools for tracking academic processes and managing documentation to streamline operations.
- **As a Head of Department (HoD),** I need a comprehensive overview of academic activities and performance to make informed decisions and ensure alignment with institutional goals.

Functional Requirements:

- **Documentation Management:** Upload, access, and organize course materials and assessment records.
- **Tracking and Reporting:** Tools to monitor academic schedules, tests, and assignments with automated reporting.
- **Compliance and Signatures:** Capture and verify signatures from faculty and HoD on relevant documents.
- **Feedback Collection:** Collect and store student feedback and course exit surveys, with integration to existing systems.

FLOW CHART:

