



BANNARI AMMAN INSTITUTE OF TECHNOLOGY

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SEAT NO:170

PROJECT ID:30

PROJECT TITLE:CURRICULUM AUTOMATION

Problem Statement:

The curriculum development and management process involves several manual and time-consuming tasks, including:

Course Code Allocation: Assigning unique course codes to each course, ensuring no duplicates or conflicts.

Lecture, Practical, and Theory Hours and Credits Checking: Verifying that the allocated hours for lectures, practicals, and theory classes, as well as the credits to be earned, are consistent and meet the curriculum requirements.

Duplicate Lecture Material and Course Code Checking: Ensuring that no duplicate lecture materials or course codes are used across different courses or programs.

Syllabus Entry Checking: Validating that the syllabus for each course is correctly entered and consistent with the curriculum requirements.

PROJECT-FLOW:

Purpose:

Curriculum automation enhances course code allocation, verification, and management, improves data quality, reduces administrative burden, and improves student experience. It boosts productivity, enhances institutional reputation, and ensures regulatory compliance.

Scope:

Curriculum automation involves assigning unique course codes, verifying lecture and practical hours, and preventing duplicates. It integrates existing systems, data management, and reporting capabilities. The project includes requirements gathering, design, testing, implementation, and ongoing training. Deliverables include functional and technical requirements documents.

Functional Requirement:

The curriculum automation system should have the following features:

Course Code Generation: Generate unique course codes based on predefined rules.

Lecture, Practical, and Theory Hours and Credits Verification: Check the consistency of allocated hours and credits for lectures, practicals, and theory classes.

Duplicate Detection: Identify and prevent duplicate lecture materials and course codes.

Syllabus Entry Validation: Validate the correctness of syllabus entries for each course.

Reporting and Analytics: Provide reports and analytics on curriculum development and management.

Flowchart:



