

A Unified Portal for Developing a Model Curriculum for All AICTE Approved Institutes

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1. PROBLEM STATEMENT

To develop a Unified Portal to collaborate across educational stakeholders to formulate and maintain curriculum standards for Technical Education in India. In that AICTE plays a pivotal role in shaping the landscape of technical education in India. We are going to design a portal to streamline the curriculum design process for educators. This portal incorporates various curriculum design tools to facilitate a more efficient and effective curriculum creation experience.

2. ABSTRACT

This project aims to develop a unified portal for creating a model curriculum that can be implemented across all the institutes approved by the All India Council for Technical Education (AICTE). The portal will serve as a centralized platform where administrators and educators from AICTE-approved institutes can come together to design, review, and make necessary changes to the curriculum to meet modern educational standards and industry requirements, by providing standardized guidelines, collaborative tools, and access to a repository of educational resources. The portal aims to enhance the quality, relevance, and consistency of technical education across all the institutions under AICTE.

3. OBJECTIVE

To Develop a user-friendly portal for educators, curriculum developers, and administrators for curriculum development.

To Provide each user with a dashboard tailored to their needs, enabling them to manage profiles, track progress, and access curriculum designs efficiently. To Facilitate teamwork via peer-invites, comments, version control, and document sharing for seamless collaboration.

To Provide tools for tracking curriculum effectiveness with metrics like Course Completion rate, student performance and assessment outcomes.

4. METHODOLOGY AND IMPLEMENTATION STRATEGY

4.1. Requirement Analysis & Feasibility Study Objective:

To understand the needs of all stakeholders, including AICTE, educational institutions, students, and faculty, and assess the feasibility of developing a unified portal.

4.2. System Design Objective:

To create a comprehensive design for the unified portal, both at a functional and technical level.

4.3. Development Phase Objective:

To develop the portal based on the design specifications, ensuring that all features are implemented, and the system is scalable and secure.

4.4. Testing & Quality Assurance (QA) Objective:

To ensure that the portal works as intended, is free of bugs, and performs optimally.

4.5. Deployment Objective:

To deploy the portal into a live environment, ensuring its availability to all AICTE-approved institutes.

4.6. Post-Deployment Support & Maintenance Objective:

To provide ongoing support and maintenance, ensuring that the portal remains operational and up-to-date.

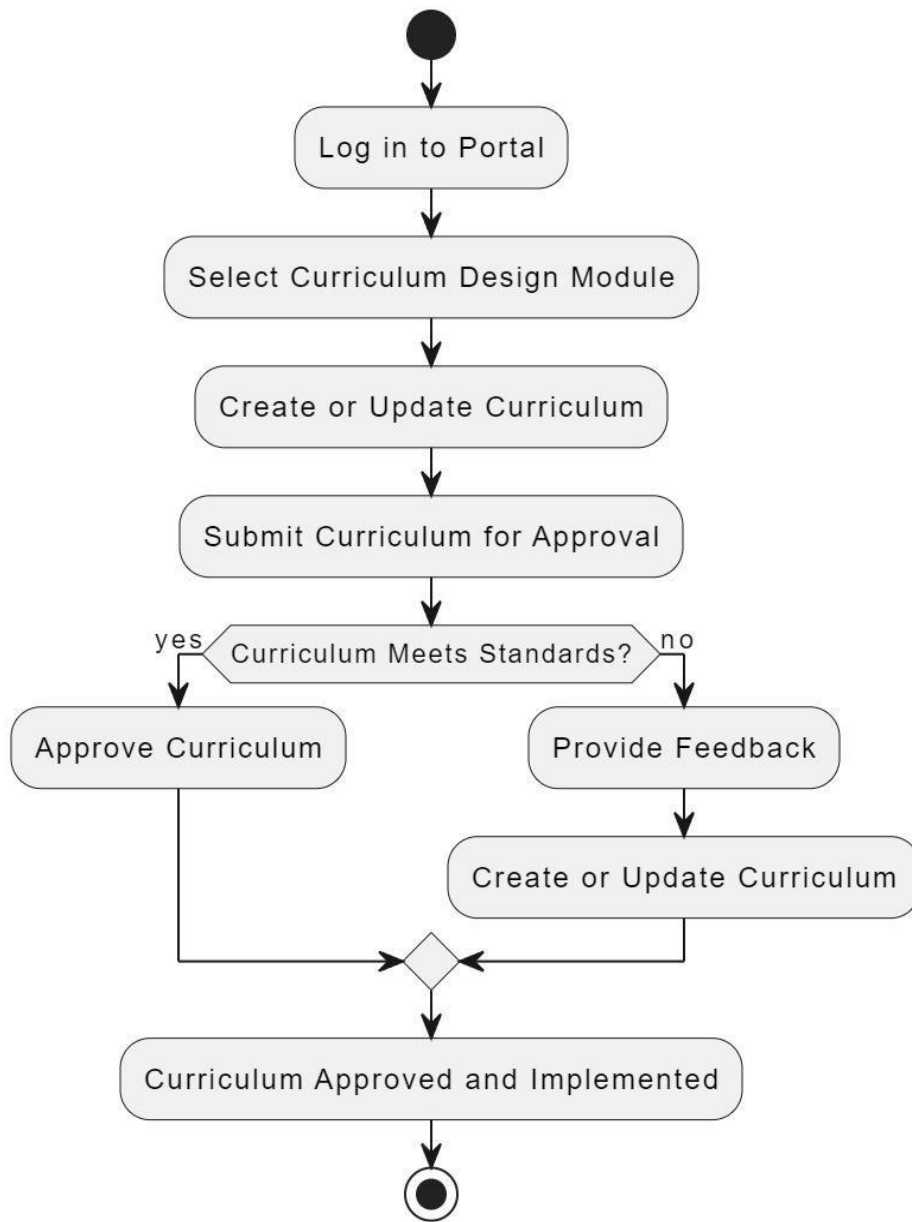
4.7. Evaluation and Reporting Objective:

To evaluate the success of the portal and report on its performance, user satisfaction, and impact on AICTE-approved institutes. PROPOSED SOLUTION

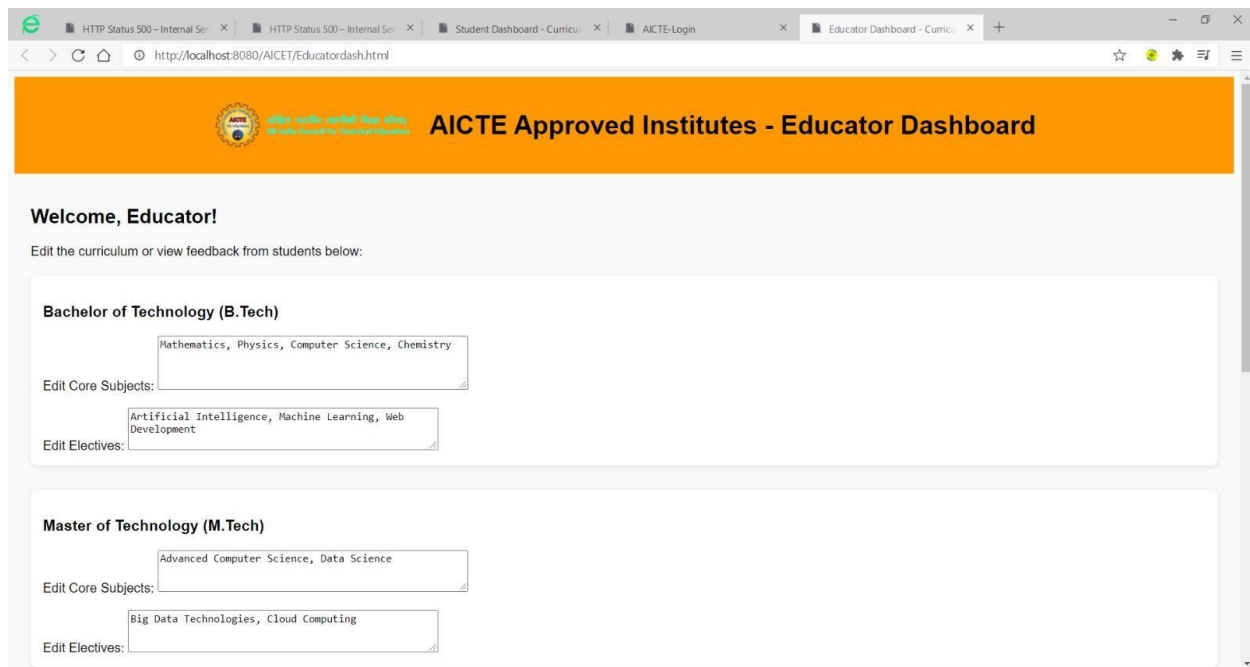
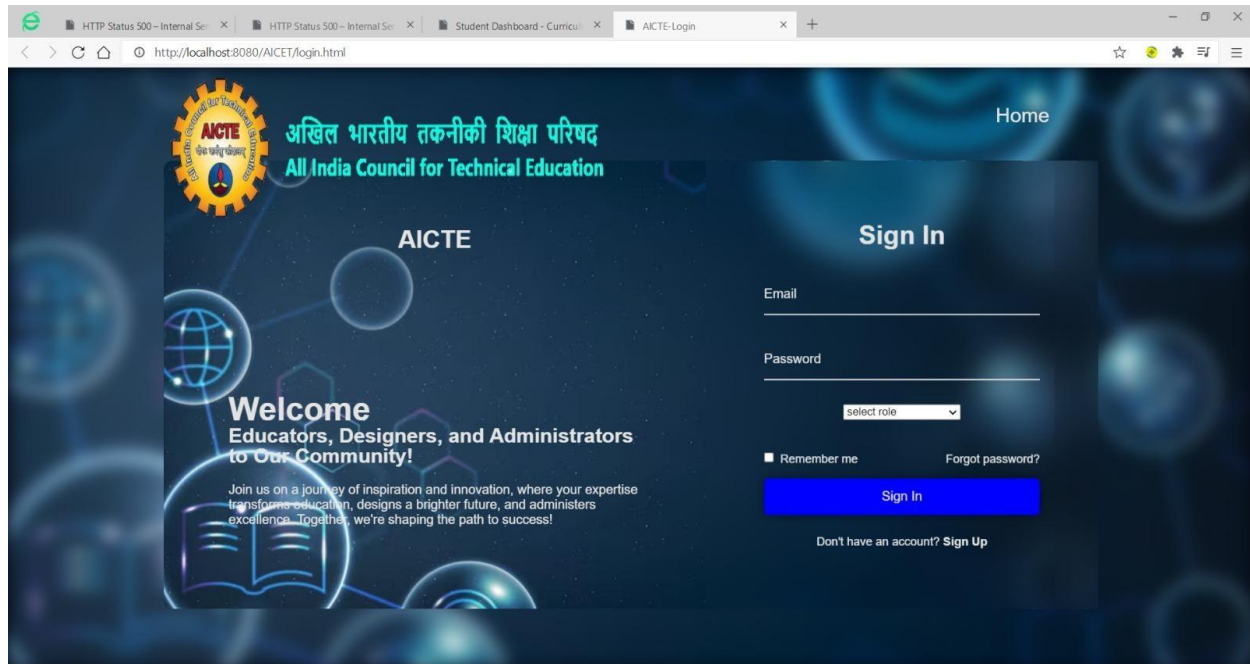
Student Support: Help Desk provides assistance to students with course content, assignments, assessments and academic questions.

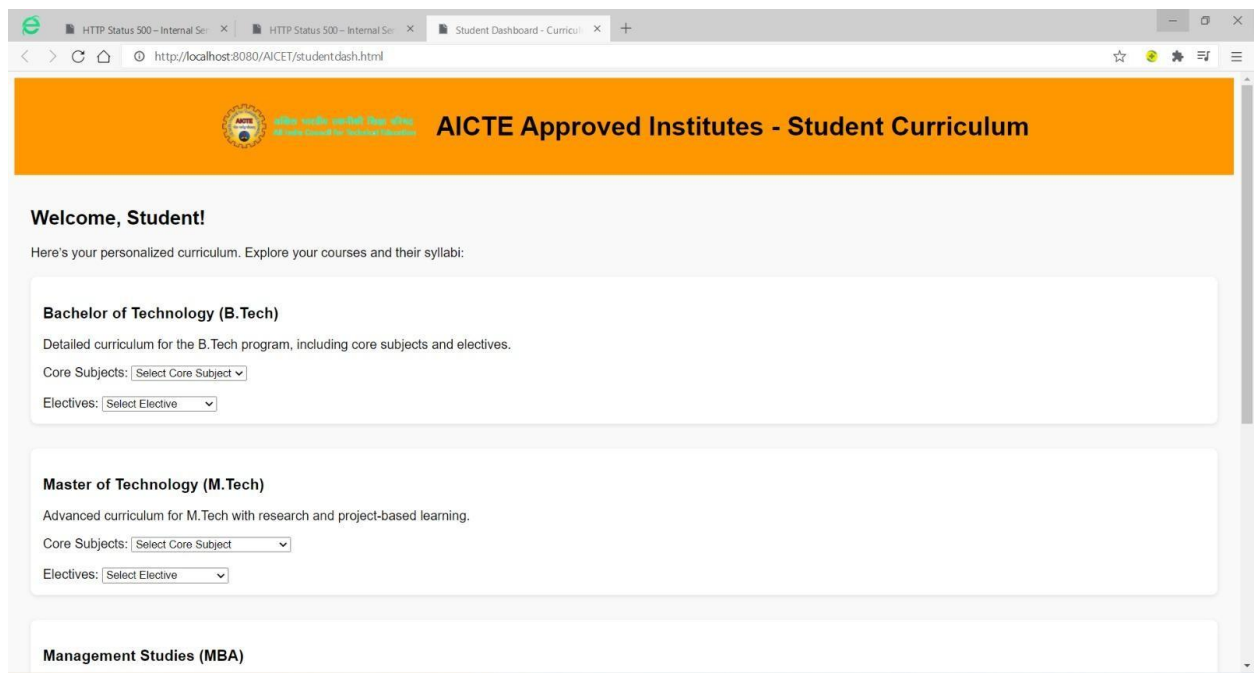
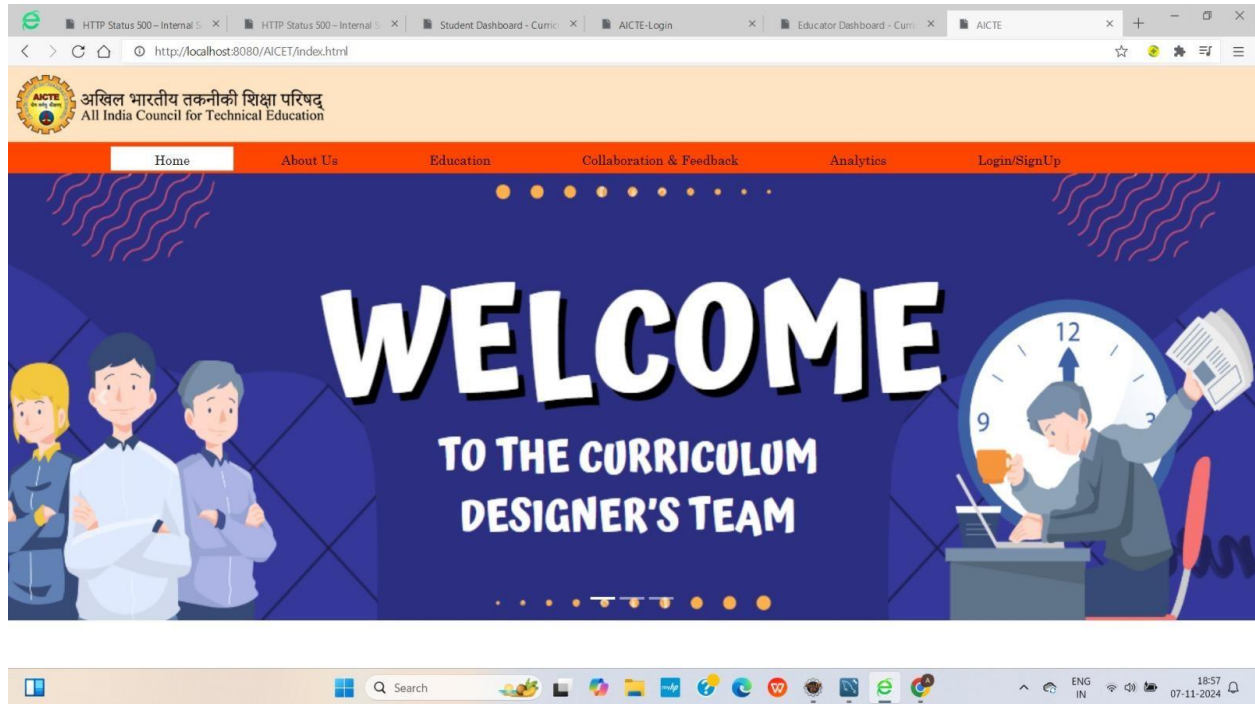
Creating a drop-down menu in the group discussion section of the internship and courses portal gives students options from which to participate in internship-related group discussions.

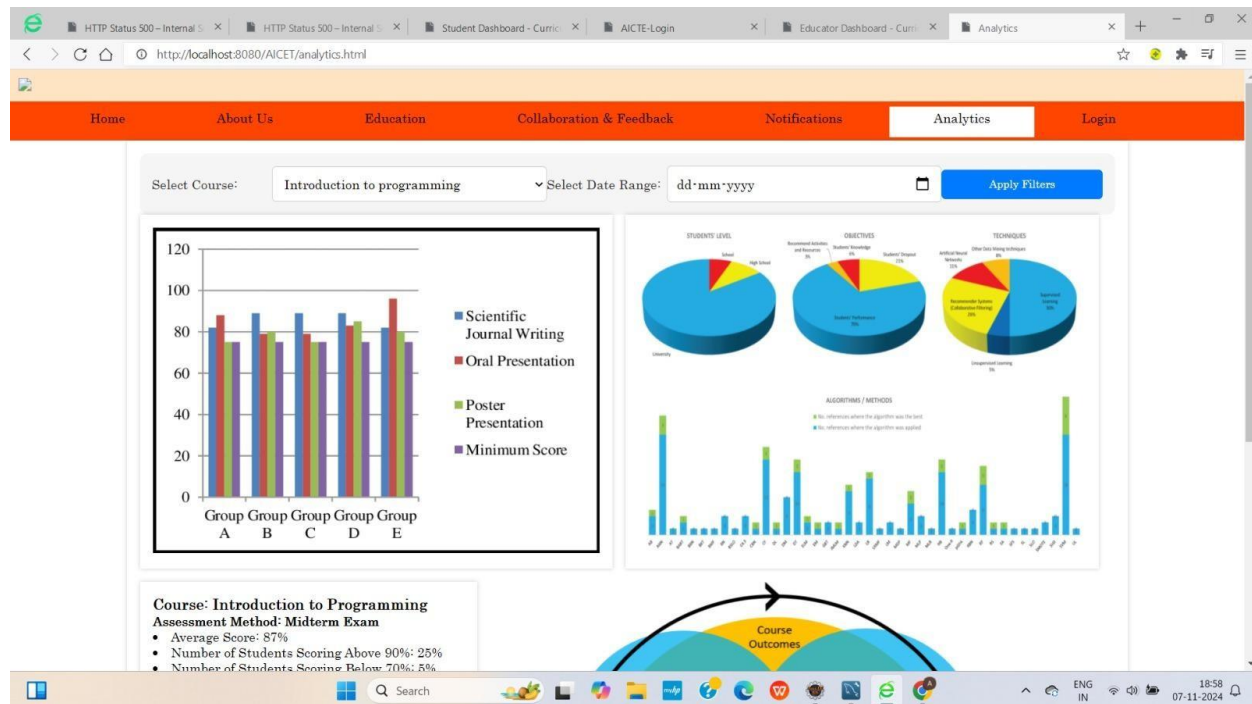
From the point of view of continuous improvement and quality assurance of educational institutions, the feedback about the course given by the students and the lecturers is of central importance



5. WEB INTERFACE IMAGES







6. CONCLUSION

The development of a Unified Portal for curriculum design and management within AICTE-approved institutes represents a significant advancement in the standardization and modernization of technical education in India. By providing a centralized platform for educators, administrators, and stakeholders, this portal will facilitate seamless collaboration, enabling institutions to design, review, and update curricula in alignment with evolving industry standards and educational best practices.

The proposed system offers a user-friendly interface, with tailored dashboards for different user roles, ensuring a streamlined experience for curriculum developers. Through features like version control, peer collaboration, and feedback mechanisms, the portal promotes continuous improvement and ensures that the curriculum remains relevant and effective in meeting the needs of both students and the industry.

In conclusion, this unified portal will play a pivotal role in revolutionizing the curriculum development process, fostering collaboration, and ensuring that technical education in India is aligned with global standards and industry requirements, ultimately benefiting students, faculty, and the broader educational ecosystem.

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