

## **Design and Developed a personalized online meeting system for AICTE**

In AICTE many online meetings are conducted to various stakeholders of AICTE such as Institutes, faculty members, HOD and in the Ministry also. Lot of confidential data has been shared through these online meeting. In order to increase security and to make a robust system a personalized online meeting portal is needed in AICTE.

- Based on the requirements, design the architecture of the online meeting system. Determining the components, such as the server infrastructure, database, APIs, and user interfaces, that will be needed to develop the system.
- Develop the backend infrastructure: Build the backend infrastructure that will handle the core functionalities of the online meeting system. This typically includes user management, meeting scheduling, real-time communication, file sharing, and any custom features required in AICTE.
- Implement video conferencing capabilities: Integrate video conferencing functionality into the system. Web Real-Time Communication technology to facilitate real-time video and audio communication between participants.
- Create a user-friendly interface for participants to join meetings, manage settings, access recordings, and utilize additional features.
- Implement robust security measures to protect the online meetings and user data. This includes encryption of data in transit and at rest, user authentication and access controls, secure storage of meeting recordings, and adherence to privacy regulations.

**Organization- AICTE**

**Category- Software**

**Dataset- Data will be provided**

**Lead for project Development – Nishtha (Software Developer) & Ranjeet (Software Developer)**

## **A unified portal for developing a model Curriculum for all the AICTE Approved Institutes**

The All India Council for Technical Education (AICTE) is responsible for formulating and maintaining the curriculum standards for technical education in India. A unified portal is required to collaborate with educational experts, curriculum designers to provide the functionality and designing a model curriculum for all the Institutes.

The main functionality provide by portal are;

- **User Registration and Authentication:** Allow users (educators, curriculum developers, administrators) to create accounts and authenticate their identity to access the portal's features.
- **Dashboard and User Profiles:** Provide a personalized dashboard for each user, displaying relevant information and options based on their role and preferences. Users can manage their profiles, track progress, and access saved curriculum designs.
- **Curriculum Design Tools:** Offer intuitive tools and templates for curriculum design, including the ability to define course objectives, outline modules, specify learning outcomes, and create assessment methods. Users should be able to organize and structure curriculum content efficiently.
- **Resource Repository:** Maintain a repository of educational resources, such as textbooks, articles, videos, and interactive materials, categorized by subjects and topics. Users can search, access, and incorporate these resources into their curriculum designs.
- **Collaboration and Feedback:** Facilitate collaboration among users by allowing them to invite others to review and provide feedback on their curriculum designs. Incorporate features like commenting, version control, and document sharing to enhance collaboration and streamline the review process.
- **Analytics and Reporting:** Provide analytics and reporting features to track and analyze the effectiveness of curriculum designs. This can include metrics like student performance, course completion rates, and assessment outcomes. Generate reports and visualizations to aid decision-making and improvement.
- **Notifications and Updates:** Notify users about important updates, changes in educational policies, or new resources available on the portal. Allow users to subscribe to relevant topics or receive notifications based on their preferences.
- **Scalability and Security:** Design the portal to handle a large user base and ensure data security. Implement appropriate security measures to protect user information, curriculum designs, and sensitive data.

**Organization- AICTE**

**Category- Software**

**Dataset- Data will be provided**

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