Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur

Department of Information Technology

Session 2024-2025

Title of the Project

Quiz Portal

ABSTRACT

The Quiz Portal is an innovative online examination system developed using Spring Boot, Angular, and MySQL to provide a flexible, efficient, and secure testing environment for students and administrators. It allows students to take quizzes and assessments from any location with internet access, eliminating the need for physical examination halls and classrooms. This flexibility enables students to balance their academic commitments with other responsibilities, making learning more accessible and convenient.
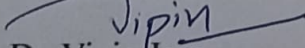
The system provides instant results, leveraging the power of MySQL for efficient data management and Spring Boot for secure, scalable backend services, allowing students to identify their strengths and weaknesses and improve their performance over time. Institutions also benefit from cost savings, as the need for physical space and maintenance is significantly reduced, making it a budget-friendly solution for large-scale assessments.

Additionally, the platform promotes inclusivity, providing access to students from remote areas or low-income backgrounds, thereby reducing the educational gap. To ensure test integrity, the Quiz Portal incorporates features like randomized questions, time limits, and secure login mechanisms, addressing the common challenge of cheating. While technical issues like server downtime and slow internet speeds can occasionally disrupt the experience, ongoing technological advancements are helping to mitigate these challenges, ensuring a seamless testing experience for all users.
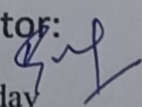
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