

MINI PROJECT - QUESTION PAPER GENERATOR

ARJUN KM

September 2023

College of Engineering Cherthala

- Introduction
- Objectives
- Existing system
- Disadvantages
- Proposed system
- Advantages
- Conclusion

The QuestionPaperGen web application is a powerful tool designed to enhance the process of generating question papers for university exams. In academia, the creation of fair and unbiased question papers is essential to ensure the integrity of examinations. This web application addresses this challenge by offering a user-friendly interface that allows educators and administrators to effortlessly produce randomized question papers from a comprehensive question bank. The Question bank contains the collection of different types of questions having different categories based on the marks and it can be automatically sorted randomly to generate a question paper.

Objectives

- Developing a user-friendly interface for educators.
- Implementing algorithms for question generation.
- Ensuring customization options for question types and difficulty levels.
- Integrating a database for storing and retrieving questions.
- Demonstrating the feasibility and benefits of the automated system.

Existing system

- Manual and time-consuming process.
- Prone to human errors in question selection and formatting.
- Limited flexibility in customizing question papers.
- Resource-intensive, requiring a team of experts.
- Difficulty in maintaining question banks and ensuring security.

Disdvantages

- Limited Subject Coverage: These systems may not be well-equipped to handle highly specialized or niche subjects where domain-specific knowledge is essential for crafting meaningful questions.
- Maintenance and Cost: Developing and maintaining a question paper generator system can be costly and time-consuming. It requires continuous updates and improvements to keep up with changing educational standards and needs.
- Limited Feedback: Automated systems may not provide meaningful feedback to faculty members on the quality and effectiveness of the questions generated, making it challenging to improve the assessment process.

Proposed system

- Automated and efficient, reducing time and effort.
- Minimizes the likelihood of human errors.
- Provides customization options for diverse question papers.
- Requires fewer human resources.
- Enhances security and management of question banks.

Advantages

- Efficiency: The system accelerates question paper creation, saving valuable time.
- Resource Optimization: Requires fewer personnel for question paper creation.
- Accuracy: Reduces human errors in question selection and formatting.
- Security: Improves the management and security of question banks.

Conclusion

In conclusion, the development and implementation of a Question Paper Generator system have the potential to revolutionize the way university exams are conducted. By replacing the time-consuming and error-prone manual system, the proposed system offers numerous advantages in terms of efficiency, accuracy, and customization. While it may require an initial investment and adaptation from educators, the long-term benefits are substantial. This mini-project aims to bring about a positive change in the educational assessment process, benefiting both instructors and students alike.

Thank you