

A Review on AI based Exam paper leakage Control System

Ruchita Rajurkar
Computer Science Engineering
NIT, Nagpur
Maharashtra, India
ruchitarajurkar0114@gmail.com

Shivani Gaikwad
Computer Science Engineering
NIT, Nagpur
Maharashtra, India
shivani.gaikwad2000@gmail.com

Atharv Patil
Computer Science Engineering
NIT, Nagpur
Maharashtra, India
atharvpatil269@gmail.com

Shaily Waje
Computer Science Engineering
NIT, Nagpur
Maharashtra, India
shailywaje02@gmail.com

Arati Chaudhari
Computer Science Engineering
NIT, Nagpur
Maharashtra, India
natthujichaudhari41@gmail.com

Anil Kushwaha
Computer Science Engineering
NIT, Nagpur
Maharashtra, India
anilinfo@gmail.com

Mangesh Sadafale
Computer science and engineering
NIT,Nagpur
Maharashtra, India

Abstract: -

The examination may be the heart of the education framework. The principal reason for the examination will be to select the proficient applicants for several positions. Every year we get the news regarding postponed/canceled exam because of paper leakages. So we need come up with manageable and compact result and decided to design and execute an “examination paper leakage security framework “that will be a much-protected framework depend on “ARM processor”.

Keywords: -

hash code,data security,GSM model

I.INTRODUCTION

Paper leakage control system contents providers to focus on creating effective assessment questions and focusing on exam’s feedback delivery to students. In the paper we present techniques that are pertinent to the elements of assessment process: answers submission, computerized grading, and feedback after submission.

As the modern organizations are automated and computers are working as per the instructions, it becomes essential for the coordination of human beings, commodity and computers in a modern organization.

The administrators ,instructor,Students who are attending for online examination can communicate with the system through this projects, thus facilitating effective implementation and monitoring of various activities of

PLCS like conducting Exams as per scheduled basis and delivering result to that particular use or student. And the details of students who attempted Online Examination are maintained at administrator.

Overall, music genre classification is an important tool that helps us understand and appreciate the diversity of music and its cultural significance. In recent years, many government and private agencies depend on various type of exam to recruit or select an individual for a certain role. At present, the leakage of question paper has increased causing such organization or agencies hard to recruit the best candidate or individuals. This has caused such organization to lose money and decreased the efficiency of the work in the organization.

II. RELATED WORK

- a) **Electronic Exam Management System:** Create a comprehensive electronic exam management system that handles exam paper creation, distribution, and monitoring. The system can include features for setting up exams, controlling access, and monitoring for any suspicious activities or leaks.
- b) **Secure Document Repository:** Build a secure document repository for storing exam papers and related materials. Implement robust access controls, version tracking, and encryption to ensure the confidentiality and integrity of the stored content.
- c) **Biometric Authentication System:** Develop a biometric authentication system for students and exam proctors. This system can use fingerprint, facial recognition, or iris scanning to verify the identity of exam takers, reducing the risk of impersonation.
- d) **Blockchain-based Exam Verification:** Explore blockchain technology to create a tamper-proof ledger of exam papers. Each exam paper's digital signature can be recorded on the blockchain, ensuring its authenticity and preventing unauthorized changes.
- e) **Data Analytics for Anomaly Detection:** Create an analytical tool that monitors exam data and detects anomalies or irregularities. Machine learning algorithms can be used to identify patterns of cheating or unauthorized access.

III. ADVANTAGES

- Exam paper leakage could be avoided to a great extent.
- Complete knowledge of design and implementation of embedded system based on 8051 controllers.
- Knowledge and Implementation of GSM
- , • RFID, I2C & UART Technologies.

IV. DISADVANTAGES

1. **Cost and Infrastructure:** Implementing and maintaining electronic exam paper leakage control systems can be costly. Schools and institutions may need to invest in hardware, software, and IT staff. **Technical Issues:** Electronic exam paper leakage control systems rely on technology, which can be prone to technical glitches, such as server failures, network issues, software bugs, or hardware malfunctions. These technical problems can disrupt the examination process and lead to potential security breaches.
2. **Cybersecurity Risks:** Electronic systems are susceptible to cyberattacks, including hacking, data breaches, and unauthorized access. If not properly secured, exam papers and sensitive student information can be compromised, affecting the integrity of the examination process.
3. **Cost and Infrastructure:** Implementing and maintaining electronic exam paper leakage control systems can be costly. Schools and institutions may need to invest in hardware, software, and IT staff to ensure the system's security and functionality. This cost can be a barrier for smaller institutions with limited resources.

4. **User Training:** Electronic systems require users, including students, teachers, and administrators, to be proficient with the technology. Training and support may be necessary to ensure that all stakeholders can effectively use the system, which can be time-consuming and require additional resources.

5. **Accessibility and Inclusivity:** Some students may not have access to the necessary technology or may face accessibility issues due to disabilities. It's essential to ensure that electronic exam systems are inclusive and do not create disadvantages for certain groups of students.

V.CONCLUSION

The package was designed in such a way that future modifications can be done easily. The following conclusions can be deduced from the development of the project.

- ☐ Automation of the entire system improves the efficiency
- ☐ It provides a friendly graphical user interface which proves to be better when compared to the existing system.
- ☐ It gives appropriate access to the authorized users depending on their permissions.
- ☐ It effectively overcomes the delay in communications.
- ☐ Updating of information becomes so easier.
- ☐ System security, data security and reliability are the striking features.
- ☐ The System has adequate scope for modification in future if it is necessary.

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