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Exam Halltickets Now Accessible Via QR Codes

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ABSTRACT: The “Exam Hall Tickets Now accessible Via QR Codes” is a robust and innovative project developed using JAVA and MYSQL to streamline and enhance the process of generating and managing Hall Tickets for examinations and events. This system aims to eliminate traditional manual methods of hall tickets distribution by incorporating a dynamic QR code feature ensuring security efficiency and convenience for both administrators and participants as well. Administrators can easily create, manage and customize hall tickets for different examinations through centralizes web-based interface. The traditional method of issuing physical hall tickets often involves logistical challenges, including printing, distribution and the risk of losing or a damage of hall ticket. By transitioning it to the digital hall tickets accessible via QR Codes, these issues are effectively mitigated. Students can now receive their hall tickets through electronic, which they can download from their smart phones or print as needed. Examination authorities can swiftly scan these QR Codes using hand held scanners or mobile applications, instantly verifying the student’s identity and exam details.

KEYWORDS: Exam access, Technological innovation, Fraud-Prevention, Smart solution electronic verification, paperless systems, real time updates, encrypted information, digital hall tickets.

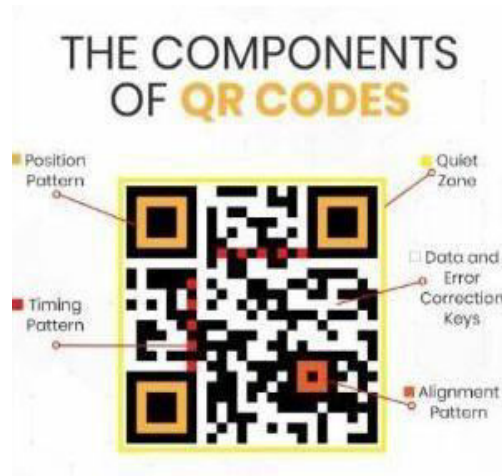
I. INTRODUCTION

Digital Technology has revolutionized numerous aspects of daily life, including the education sector. In keeping with this trend, the process of been enhances through the introduction of QR been enhances through the introduction of QR code- enabled access. This innovative approach addresses the limitations of traditional paper-based hall tickets, that are offering a more efficient, secure and also the convenient solution for students and to the examination authorities alike. With QR code-enables hall tickets, students can receive their exam access information electronically. This can be downloaded to smart phones or printed as needed, providing flexibility and ease of access. Upon arriving at the examination center, students present their QR code, which is quickly scanned using hand held devices or mobile applications This instant verification process not only speed ups entry but also reduces the likelihood of human error and fraudulent activities. In summary, the implementation of QR code-enabled exam hall tickets marks a significant step forward in the digital transformation of educational processes. This approach not only simplifies and secures the distribution and verification of hall tickets but also aligns with broader trends towards digitization and smart solutions in education.

II. COMPONENTS OF THE EXAM HALL TICKETS

Exam hall tickets are traditionally divided into some primary components:

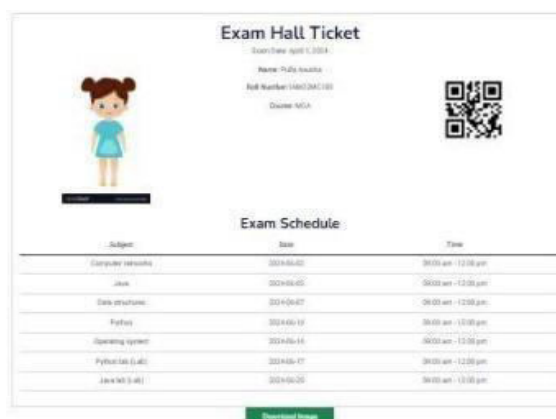
- 1. Digital Distribution Platform:** A secure Online portal where students can log into access and download their digital hall tickets. Email delivery option to send hall tickets directly to students registered email address or else they can download through the student’s portal website. No paper is required because it goes through the digital format.
- 2. User Interface:** signature of the candidate, A recent passport candidates name Digital or scanned signature of the candidate, A recent passport sized photo of the candidate, unique identification number assigned to the candidate, exam date time, course of the candidate, candidate’s date of birth for the purpose identification Process. Instructions will be notified by the controller of the examination. Here your hall ticket is ready to download.
- 3. QR Code Generation:** Each digital hall ticket must include a unique QR_Code that can be scanned to verify the student’s identity and exam details. The QR Code should be encrypted to prevent unauthorized duplication or tampering.



4. Verification System: Verification system is crucial for ensuring the authenticity and integrity of digital exam hall tickets. It consists of scanning devices and a back-end database that work together to provide a real-time verification at examination centers. This will scan and display verification result and student details. Here we need to show the QR Code. Scanners or mobile apps for exam authorities to scan QR codes at the examination center.



5. User Interface: signature of the candidate, A recent passport candidates name Digital or scanned signature of the candidate, A recent passport sized photo of the candidate, unique identification number assigned to the candidate, exam date time, course of the candidate, candidate's date of birth for the purpose identification process. Instructions will be notified by the controller of the examination. Here your hall ticket is ready to download.





6. Exam information: Clearly state the official name of the examination. List of subjects or papers include the names or codes of the subjects or papers for which the candidate is registered. Specific dates will be provided and the start and end timings for each exam session. Time duration of the exam. By providing clear and the detailed exam information, candidates can be better preparing and ensure they arrive at the correct time and a place for their examinations according to the allocated time and examination of the day to the required course.

The image shows a digital form titled "Lab Practical". It contains two identical sections for "Lab 1" and "Lab 2". Each section has a "Lab Code" and "Lab Name" field, followed by "Exam Date", "Start Time", and "End Time" fields. Below the "Exam Date" field is a small calendar icon. At the bottom of the form is a teal "Add" button.

III. BENEFITS OF EXAM HALL TICKETS GO DIGITAL

The benefits using QR code on digital exam hall ticket offers numerous benefits, enhancing both security and convenience for candidates and administrators:

1. Provides security QR: QR Codes have a variety of uses, from storing student's information in the detail. Implementing QR codes for security in digital exam hall tickets involves several technical and procedural measures to ensure the integrity, authenticity and confidentiality of the information.



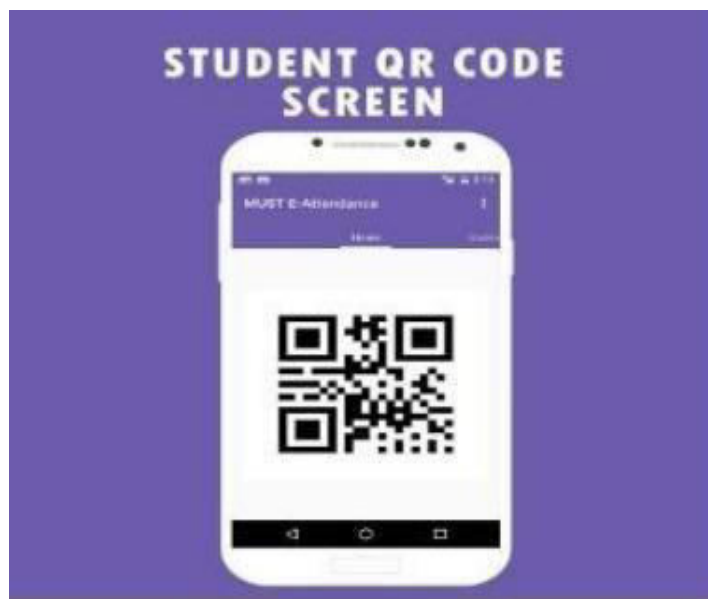
2. Convenience for candidates: Easy access of candidates can download and store their hall tickets on their smart phones or other digital devices. quick retrieval if lost or misplaced of hall ticket can be quickly re downloaded from the portal itself. No physical handling it eliminates the need for saving time and also the effort .24/7 Access: Students can access their hall tickets at any time, from anywhere, providing greater flexibility.

3. Enhanced security: Digital Hall tickets are harder to forge compared to physical ones, especially when integrated with QR Codes or Bar- codes. Digital hall tickets can be verified in database, reducing the risk of

fraudulent a real-time against a central entry. Sensitive information can be encrypted, ensuring that can be only authorized personal can access it. speed is one of the primary benefits of using the QR Codes helps a lot to identify the fake ones.

4. Cost Savings: Reduced Printing Costs and eliminating the need for physical tickets saves on printing and paper costs. Fewer resources are needed for distributing and managing hall tickets, resulting in overall cost savings.

5. Operational Efficiency: Streamlined Distribution is automated generation and distribution of hall tickets reduce administrative workload. Quick Verification Scanning QR codes is faster and more efficient than manually checking physical tickets. Automated Record- Keeping: Digital systems maintain accurate records of ticket issuance and verification.



IV. CONCLUSION

In conclusion, the transition to digital exam hall tickets enhanced with QR codes represents a significant advancement in the administration of examinations, offering a multitude of benefits that streamline processes, enhance security, and improve the overall experience for both candidates and administrators. By adopting digital hall tickets, educational institutions can prevent forgery and unauthorized access through the use of encrypted QR codes, ensuring that only legitimate candidates gain entry. Moreover, the convenience of digital hall tickets access enables candidates to easily download and store their hall tickets on smart phones or other devices, eliminating the need for physical tickets and the associated logistics of the

printing and mailing. Additionally, the shift to digital hall-tickets supports environmental sustainability by minimizing paper usage. The quick verification process at exam centers, facilitated by QR code scanning, speeds up candidate check-in. Centralized data management simplifies the handling of candidate information, making it easier to track and manage. Furthermore, digital hall tickets offer scalability, allowing for the seamless distribution to a large number of candidates and adaptable for various exam formats. Overall, the transition to digital hall tickets with a QR codes modernize the examination process providing a secure, efficient and user-friendly solution that benefits all stakeholders involved.

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