Automation Hall Ticket Generation Using QR Code

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Abstract :

Hall Tickets are very simple documents that contains the information of the apprentices. Generally hall tickets include information like name, registration number and details of the examination. There is a chance to create duplicate hall tickets. So, those kinds of duplications can be avoided in hall ticket system. Now by generating **Quick Response (QR) Code** in hall ticket system can control the duplications and providing some security. It can be accessed throughout the net and can be accessed by authorized persons who have internet connection. This application helps to automate E-Hall ticket generation and verify the details.

Keywords : Automated, Hall ticket generation ,QR-code generation,Online availability, Change request options.

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1. Introduction

Now a day's impact computer on our day- to- day lives is probably much more so use of computer and application. Software is increasing day-by-day, since automation system is demanded now days. Like a colleges needed their manual system such as exam cell activities to function on a computer system one of such system which is of major importance is automated hall ticket generation. Once the student is done with the registration, the admin will confirm the student's details and the registration of the student to the system will be done. Admin will have all the rights to modify the student's details if the student have filled the wrong information in the system. student can take the printout of the hall ticket (softcopy of hall tickets will be provided by college but system will provide for the students e-mail notifications. This project detail with the management of content of an institution using student details, uploading ,to generate the hall tickets.

A. Problem Statement : In the present system all the work is done manually. The amount of work makes the exam cell process must slower. It requires maintaining lot of documents. Handling important document is much time consuming work. Also retrieval of important documents and statics will consume time. It takes more efforts and physical space to keep track of paper documents, to find information and to keep detail secure. In case of student they have to manually do lot of paper work, by filing of any exam related form up to collection of final mark sheet , hence automated exam cell with

result analysis is an application which over comes the drawbacks of existing system and consist of form filing , upload/download hall ticket .

B. Aim : The aim of this appllication is: activities includes a lot of manual work including exam form filling, hall ticket form filling. To maintain all the records in database so that whenever needed retrieved. Easy to operate and reduce the time and efforts of the user.

C. Scope : The scope of this project all admission and examination related work for the student can be done using this system. Provide faster and easier access for updating records. All the student related database can be retrieved at any time. Application support and maintenance after deployment to production. which provides more security for unauthorized access.

2. Related Work

There is a need to design software for the new examination pattern with all possible functionalities and which will provide secure remote access and authorization to the users. Something's about the technologies: PHP is a server-side scripting language designed for web based developments but also used as a general-purpose programming language. It was originally created by Rasmus Lerdorf in 1994, the reference implementation of PHP is now produced by The PHP Group. While PHP originally stood for Personal Home Page, it now stands for PHP: Hypertext Preprocessor. PHP code is easy to mix with HTML code, or it can be used in integration with various engines and Bondre Rutuja Avinash et al

Automation hall ticket generation usinh QR code. PHP code is generally compiled and processed by a PHP interpreter, which is usually implemented as a web server's relative module or a Common Gateway Interface (CGI) executable application. After the PHP code is interpreted and executed, the web server sends resulting output to its client, usually in form of a part of the generated web page – for example, PHP code generates a web page's HTML code, or an image, or some other data. PHP also has a command-line interface (CLI) capability and can be used in standalone graphical applications. PHP has been widely ported and can be deployed on most web servers on almost every operating system and platform, free of charge.

3. Proposed Work

The project is aimed at developing Automation Hall ticket generation using QR code. There are mainly 2 users they are **admin** and **student** .Admin have all control over the system, Admin is master user. The function of administrator involves verifying and accepting the request of registered student, updating system, deleting user. Student first register on system by filing all basic information such as name, Roll no,email, academic year, branch etc. The verified student can very flexibly login and view Hall ticket, download hall ticket with hall ticket softcopy link also send by the students e-mail notifications for **OTP (One Time Password)**. Students can enter the OTP number you can download the hall ticket at anywhere .so it creates security for unauthorized access are fake hall tickets for the exams.Admin will generate hall

ticket using **(QR- Qick Response code).**We are going to have the following modules:

1. Enrollment's

    - Admin
    - User

2. Automatic hall ticket ID assingning

    - **Unique QR code** can be assigned.

3. Email alerts

4.Admin dashboard

4. Implementation

Hall ticket generation: Admin makes available the hall ticket which can be access by the student. The data like name, semester based on the roll number. It populates these data into a hall ticket template. Once the retrieval and populating data to template is successful the QR module makes the Hall Ticket available for printing. On student side, on receipt of the hall ticket the student is provided with change request option. If the hall ticket contains any discrepancy or error, the student can request for change in details. The partial Admin checks out for suggested changes, verifies the suggested changes in person from student, make relevant changes and dispatch the revised hall ticket to student.

5. System Design

The system consist of 2 modules, student module and admin module, each module has an same login page that contain user id and password filled by entering

the values in field the user should login to the system. Each module is described below.

a. Admin

In the current system Admin will be performing following admin activities:

Admin login the website using user name and password.

    - Maintain student's details.

    - Generate unique QR code in hall ticket for each students.

    - Adding dates for exams.

b. Student

Student will be conducting following activities:

    - student login the website using user name and password.
    - student uploads the personal details for hall ticket.

View and download their hall ticket login and view Hall ticket, download hall ticket with hall ticket softcopy link also send by the students e-mail notifications for **OTP**.

Fig .1: QR code
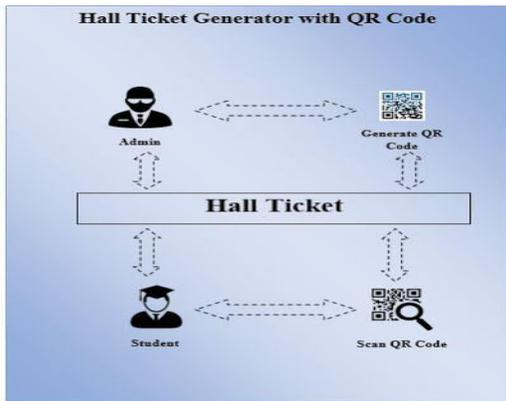
Fig .2: Hall Ticket Generator With QR code

Fig .3: Home Page
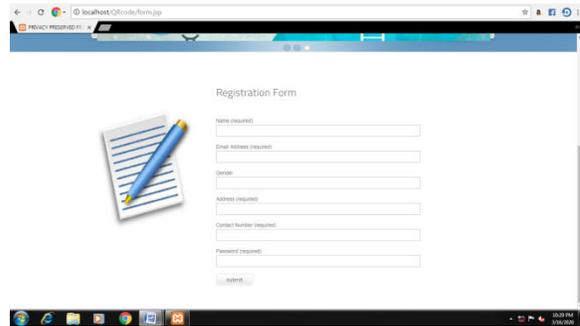
Fig .4: Login page

**Fig .5: Student Registration From**

Fig .6:Hall ticket generation
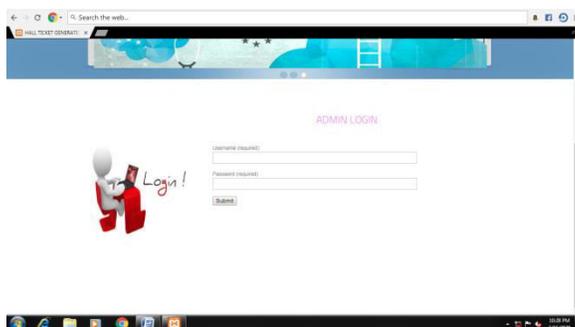
6.Technology Used

a. Software Requirement:

- Operating system   : Windows 7
- Coding Language   :   php
- Server   : xampp
- Back End   :   PHPMYADMIN

b. Hardware Requirement:

- System   : Pentium IV 2.4 GHz

- Hard Disk   :40 GB
- Ram   : 512Mb

7. Future Scope

A website is never said to be complete there is always room for improvement and enhancement as the technology improves website need to be updated. Automation hall ticket generation QR code is made specifically for Students and Admins of the college, in this project the new feature such as QR code with E-mail confirmation system can be implemented which will make the task provides more secure and fake user hall ticket can be product.We have developed this project in the form of website, which can also be viewed in mobile view.

8. Conclusion

Automation Hall Ticket generation using QR code system will be a faster and easier system for both the students as well as admins. where admins can generate the hall tickets and will find the students information and also check the status.

10.References

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