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ExamAppify – Candidate Registration for Competitive Exams Through Android Application

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Abstract: Digitalization is bringing about sweeping changes in the education sector. This paper present a secure e-exam management system where all students related information is in digital format. The application would be useful for the students applying for the competitive examinations like JEE Mains, JEE Advanced, NEET and even CAT. The Aadhaar Card which consists of twelve-digit unique identification number is used to verify the candidate. During the registration, the QR code will be scanned and the candidate information can be fetched automatically. It takes just a few minutes to verify whether he or she is the right candidate or not.

Keywords: Digital, Aadhaar, QR code, Apply, Fraud.

I. INTRODUCTION

An ExamAppify project is an android application system that helps students to apply and get the information about the competitive examination in an android phone. Using this system user or student has to apply for the exam by scanning his/her Aadhaar number. The exam related information is displayed on the application. When student scan the QR code, the system will automatically update name, address and age fields. It also gives an option to online payment. The system will alert the user about the registration.

II. LITERATURE SURVEY

Manual systems put pressure on people. The people must be correct in all details of their work at all times, the problem being that people aren't perfect, however much each of us wishes we were. In the existing system the student have to register for the exams by filling up the forms.

The registration forms are collected by the authority people who are conducting the examination. The hall tickets are then issued to the students appearing for the exam. The student related information is also maintained. During examination the student has to bring hall ticket without fail. There is chance of losing information or even hall tickets. The examiner has to manually enter the attendance list. The whole process consumes more time.

The government plans to widen the scope of Aadhaar authentication. Moreover these cards can't be duplicated because of biometrics. Now we can use a Unique Identification Number (UID) where it has candidate information.

III. EXISTING SYSTEM

In existing system of examination, all works are done manually. The student has to give application forms along with their details filled. Hence there are chances of committing errors. This is tedious work as student has to stand in long queues to fill up the forms. These forms are verified and hall tickets are issued to the particular student. This will take more time to perform any transaction. There are so many limitations in the existing system and there is wastage of paper too. The chance of loss of records is high and also record searching is difficult. And filtering of records is also not easy.

IV. PROPOSED SYSTEM

A. This project Deals with solving the above-mentioned drawbacks and provides the following advantages

- 1) Our proposed system can reduce the amount of duplication of data entry.
- 2) The system helps to avoid paper work in examination hall.
- 3) Fake students attending the exam can be avoided.
- 4) Eliminates the need for people to stand in queues and fill the forms.

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B. Payment can be done by the students through any of the following ways:

- 1) Credit card
- 2) Debit card
- 3) Master card
- 4) Visa card

The proposed system will overcome the major drawbacks of the current manual system. As shown in Figure 1 this system is easy to design and implement. The Figure 1 depicts the activities performed by the user/student. The student will first choose the exam he/she wishes to register. The student has to provide exam centre and his/her contact number. The Aadhaar card must be scanned by which the system will automatically store other student credentials (name, age) into the database. If the student has already registered for same exam before then registration will be failed else payment is done.

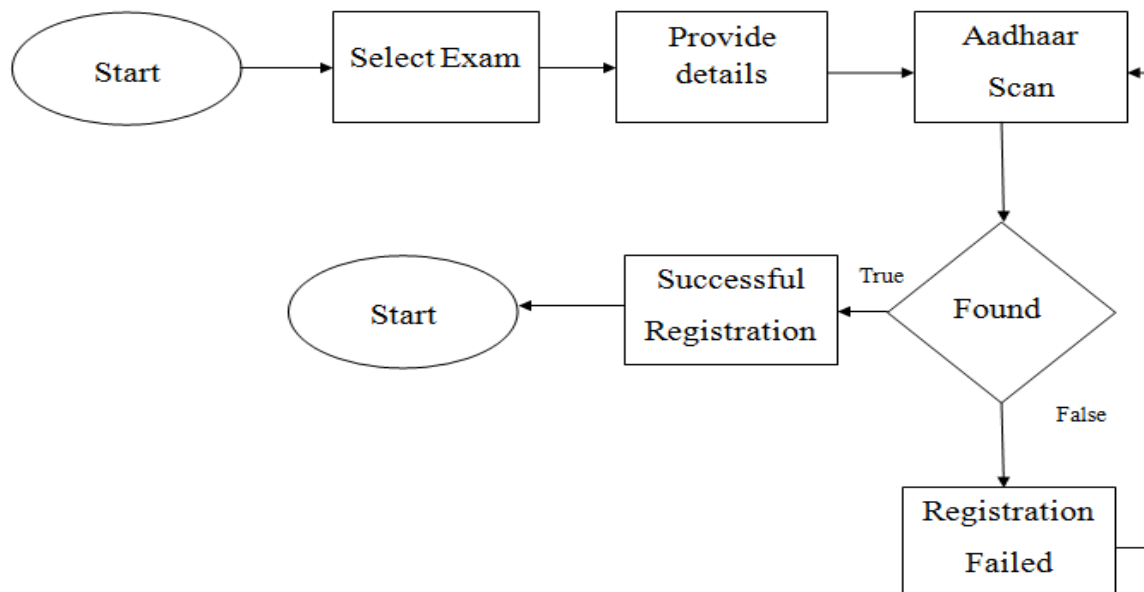


Figure 1. Flowchart of student registration

The system has got the following features:

This system will make sure that data is accurate.

Records will be stored efficiently and accurately and will be maintained in a DBMS.

It takes minimum time for processing the details.

V. REQUIREMENTS

A. Software Requirements

- 1) Web Browser (Google Chrome / Mozilla Firefox).
- 2) Android Studio.
- 3) Database Server (MySQL).
- 4) Back end: PHP
- 5) Scripting languages: HTML and CSS.

B. Hardware Requirements

- 1) A android phone.
- 2) A computer with the following specification

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- 3) Main Processor: PENTIUM III
- 4) Processor Speed: 800 MHz
- 5) RAM size: 128MB DDR
- 6) Keyboard: Standard qwerty serial or PS/2 keyboard
- 7) Mouse: Standard serial or PS/2 mouse
- 8) Compatibility: AT/T compatible
- 9) Cache memory: 256 KB

VI. OBJECTIVES

- A. The main objective of the project is to digitalize the present examination system.
- B. The proposed system will reduce the errors prone during manual registration for the exam.
- C. The proposed system will provide an option to choose the examination centre for attending particular exam.
- D. The fake students attending the exam can be avoided by the system.

VII. CONCLUSION

It is a real time project that would be useful for the students who are facing problems with the currently existing manual system of exam registration. The proposed system will enable the users to register for the exam through android application. This system also enables the users to get the details of particular examination. Moreover, it would eliminate the paper work that is present in the current system. This will help in verification of students. Database has information about Faculties and students including Aadhaar. With the help of these, during the examination the examiner can avoid all verification paper work by just logging in by the external and scanning the QR code of the student aadhaar.

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