Dissemination of digital question paper using biometric

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ABSTRACT

In the present instruction framework, a few colleges send the question papers physically to the colleges, security of queper (Question Paper) and sending queper to the universities is an extremely long and hazardous process. Our application Dissemination of digital question paper using biometric, circulating the specific subjects question paper upon the arrival of beginning of exam without allowing to complete any acts of neglect. In our application, administrator make section of different universities and spectators inside application, enrollment process for college and observer is done commonly utilizing the site by entering their subtle elements. Here question papers are put away into database in encryption method. Afterward, login by college and observer, both need to login to application at once with their username and secret word alongside biometric to download the particular quepers on that day of initiation of exam, quepers are accessible in application as in decrypted form. The examination will depict our experience and future work particularly helped for the college and understudies.

Keywords— Biometric, Question paper, Online, College, Question paper setter

1. INTRODUCTION

In today's education system, most universities send question papers manually to the colleges, making this process of sending question papers (queper) to the colleges a lengthy as well as risky process. A great deal of human intervention, at various levels, is involved, as someone needs to physically collect the question papers, leading to wastage of travelling time, and obstacles such as unfavorable weather conditions and even traffic, which causes a lot of inconvenience to the College administration, University and of course, the students. Such issues are in fact greater in the case of remote areas, where manpower may be restricted. Further, maintaining confidentiality and ensuring security of these quepers is of utmost importance. As mentioned earlier, the presence of a large deal of human interaction during the process of queper collection and distribution can also give rise to unlawful practices from the side of those involved in this activity, at various levels. We thus need a secure mechanism which would minimize the need for human activity in this process, therefore guaranteeing a reliable and efficient alternative to the present manual systems of queper distribution among the Universities and their constituent Colleges. Our Project Entitled "Dissemination of digital question paper using biometric" is aim to develop an application which is used in the University for having circulation of question papers among colleges safely and at minimum time and will avoid various malpractices being distributed throughout communication session at college.

For a millennium, universities have been considered the main societal hub for knowledge and learning. And for a millennium, the basic structures of how universities produce and disseminate knowledge and evaluate students. The means of evaluation of students in our country is based on their performances in exams. A question paper is the basic tool used in the examination. Therefore, question paper preparation and circulation to the various colleges is a very important responsibility of universities. Therefore, we developed an application which prepares the question papers and circulate to the various colleges without human interactions and securely.

The project entitled **"Dissemination of Digital Question Paper using Biometric"** is minimizes the manual workload and time consumption during question paper circulation [1,2]. This soft program **"Dissemination of Digital Question Paper using Biometric"** [3,4,5,6,7] is used to send generate and send the question paper to colleges through online securely. Our application has three users' admin, paper setter and colleges. In this project, the university staff members save the questions bank of all subjects based on the concepts for all semesters and years, question paper will be automatically generated during the assigned time of the examination with the particular pattern of the question paper. The college principal and observer can download the question paper through online. We provided security for our system by including biometric for login. Principal and Observer should login at same time to download the question paper.

Admin has major tasks of entering subject codes of a various subjects under prescribed courses into application. Later, admin entries the exam time table of subjects along with the subject codes based on morning or afternoon sessions along with date and time for endorsed courses within application. Admin has responsibility to give the login credentials for paper setter. In this application admin makes entry of every colleges and observers into our application, then email is distributed to their individual college principal consisting of username, password. Paper setter gets login to the application through the username and password being sent to them via provided mail

and has a job of preparing the question bank and he has the task to click the button in our application to generate the question paper for various subjects of particular course under specific question paper format.

College principal and observers who got registered into our application needs login to the application for accessing the specific subjects question papers of a course on the day of examination. To download the subjects question paper from application, both the college principal and observers need to login to the application at a time with the given username and password and also must enter the biometric verification to complete login process for downloading the specific question papers.

2. OBJECTIVES
- To avoid manual circulation of question papers.
- Auto generation of question paper.
- To circulate the question paper securely for the colleges.
- To avoid clerical task for question paper circulation.
- To save time.
- To save money.
- To conduct examinations smoothly.

3. EXISTING SYSTEM
Presently universities send question papers to colleges before 4 days of the examination with university supervisors. It takes more resources and time of university staff. It also consumes more expanses for transportation. After it will send to the colleges the principal should receive the papers with university squad with some acknowledgment and locked those papers in college rooms. This leads to security issues. In some situation it gives the problems for question paper leakage.

4. PROPOSED SYSTEM
The proposed system is automated process of sending question papers to colleges from the university during the time of examination through online, in this application mainly focuses on the security of the question paper using biometrics [8,9,10,11,12], and to avoid the leakage of question papers before the examination and also to save the money, time and escape from the lot of risk. Paper setters are going to enter the question bank in the application regarding to the subjects, the question paper will be generated automatically during the time according to the question paper pattern. It avoids the clerical task at time of question paper circulations.
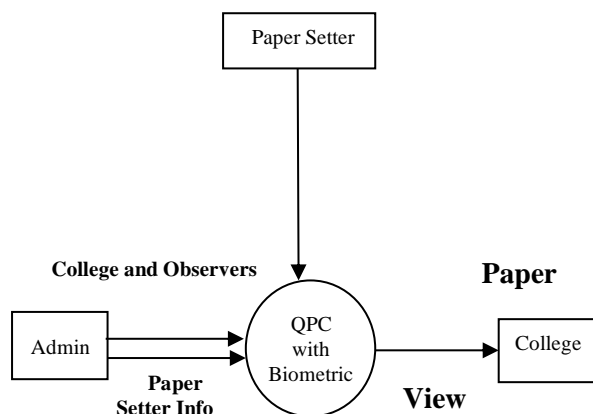

Fig. 1: Block Diagram QPC

5. PURPOSE
The purpose of this SRS is to describe the details of the **"Dissemination of digital question paper using biometric".**

Moreover, this document explains the purpose of each subsystem, the features of said subsystems, and the interactions between subsystems and external inputs. This document's intended audience includes the developers of the Digital Learning, as well as the stakeholders and interested parties.

6. SCOPE
Question Paper Circulator is enforced in universities to flow into question papers through on-line. By implementing this application universities will send question papers to colleges in secured manner. This avoids manual methodology and reduces workers and time.

7. CONCLUSION
This application will be implemented as web application, access through internet using web browser. In this competitive world, quicker execution, user satisfaction timely and correct info became valuable pre-requisite. This is developed with the actual fact in mind, that net primarily based application, have become additional and additional standard.

Our application could be a net application developed victimization, that is developed for the use by the university in current the question papers to numerous faculties that are there under university safely with none risks, as well as auto generation of the question paper during the time of the assigned examination date and time. This application designed in a very method as for serving to university for question paper circulation by implementing feature known as Biometric.

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