

# Online Exam Invigilation System

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**Abstract-** An online exam invigilation system is software or a web application used for conducting examination as well as making sure that the examination being conducted is safe and there is no act of dishonesty. It will provide an easier way for universities and corporate companies to conduct exam and display score cards of students as fast as possible. It is time saving and facile way of conducting and invigilating exams. the system is also going to generate question paper in such a way that maximum possible student get different question in different rank of order as well as the difficulty level of question will remain same for each and every student. On the other hand manual examination system is quite time consuming and there is also a risk of records to get lost. This paper define the system principle, presents the main aim of the system, analyzes the auto-create test paper algorithm, and pontificate the system security.

## I. INTRODUCTION

We live in the era where internet plays preponderance in our everyday life. Traditional methods of conducting examination is both wastage of technology as well as time. Online exam invigilation system is quite better and efficient way of conducting examination in universites, schools and various companies. It tests the capability or knowledge of the student very efficiently. students can also give mock test so that they are familiar with the pattern as well as the difficulty level of paper and the chances of doing act of dishonesty is also less as compared to normal examination as each and every students will get question in different pattern or different set of questions. The e-examination system will also help teachers and students. Students have to create account in the website by registering and giving there details after registering student can simply login by using their email id and password. once they are successfully logged in they can select there subject and give exam. there will be a timer which will automatically finish the exam as soon as

given period time is over time will be set by the respective teacher,. Student can also review there score card and progress report. Examination System was useful to separate teaching and testing. It promoted teacher to create the lesson designing and teach within the category rigorously. It was additionally a crucial suggests that of evaluating the teaching impact. Otherwise, it stirred up students to rigorously study and attend a lecture, to do their homework independently. Therefore, the Examination System might improve the teaching level by providing higher technical support. Within the Examination System we tend to developed, the teacher could set the score and number of different types of question according to their need. And then, the Examination System generated Associate in Nursing examination every which way in accordance with the necessities. Finally, the paper in customary format and its answer may be outputted

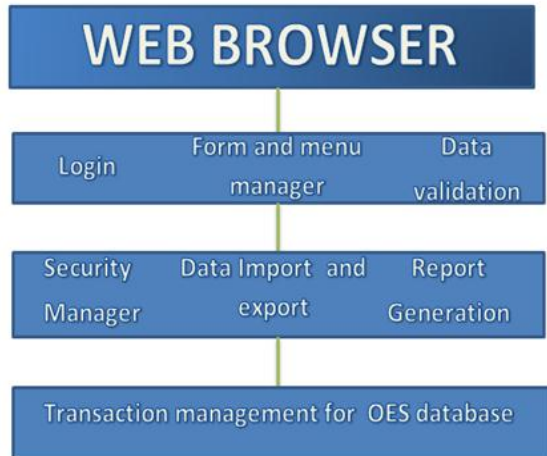
## II. LITERATURE REVIEW

Hongmei Nie Math, Physics and Information Engineering College Online examination is the important parts among online examination. It is efficient and speed enough and reduces the huge amount of material resources. Examination system is developed based on web. This paper describes the principle of the designed system that presents the important functions of the system, analyzes the algorithm of auto- generating test paper, and displaying the result in minimal time.

Nor Shahida bt Mohd Jamail Abu Bakar Md Sultan Faculty of Computer Science and Technology, Selangor, Malaysia Examination process is important activities for institutions to evaluate student's performance. Thus the quality of the exam questions would determine the quality of the students produced by the institutions, also preparing exam questions is challenging, monotonous and time consyming task

for the teachers. Current technologies help teachers to store the questions banks in computer databases. The issue arise is how the current technologies would also help the instructors to auto generate the different sets of questions from time to time without concern about repetition and duplication from the pass exam while the exam bank growing.

### III. ARCHITECTURE



### SYSTEM ARCHITECTURE

A description of the program architecture is presented. Subsystem design or Block diagram, Package Diagram, Deployment diagram with description is to be presented.

Data Deign: In this system web program was utilized as a customer, Microsoft Azure as the business rationale level to accomplish its capacity, and database framework as the information layer.

1. Client: Client was Web Browser,(chrome, Mozilla etc.) which executed the application user will get the view of application in these layer and they can perform their task in this layer. The capacity was to send demand to the web server through the web programs by the clients (instructors or understudies). While the Web Server return the asked for HTML pages or HTML pages powerfully created by ASP page to the customer, which were appeared in the Web program.

2. Business Logic Tier: Business rationale level was accomplished primarily by ASP.NET running the .NET framework in visual studio and Microsoft

Azure where the project is deployed. It reacted to customer demands and accomplished the business rationale with the Web Server. .

3. Information Tier: Data level was acknowledged with database framework, used to store the business information, for example, inquiries and papers furthermore, control information, for example, client information. Micro soft sql server 2014 was utilized to accomplish the information level. The ASP improvement model in view of Model 1 is extremely suitable for snappy and little scale application advancement.

### IV. STATEMENT OF SCOPE

Online exam invigilation system scope is to create a framework for students as well as teachers where they can easily give test and prepare questions the online examination will be on mcq question and the student will receive a scorecard as soon as they complete giving the exam. The framework is very understandable and the student can easily use this application and can easily navigate through application there will be no difficulty for user to use this application and the most important part is that there cannot be any act of dishonesty while giving the exam because of randomized question pattern. users will also get a help tab where they can seek help if they need.

### V. GOALS AND OBJECTIVES

- Online exam invigilation system will save the time of exam conductor they don't need to prepare question paper and most important thing they will not have to waste time in evaluation and correction of paper.
- Since the Exam is being conducted on online application there will be no wastage of paper.
- It will permit the conductor to give extra time to the handicaps.
- The invigilators need not to shout and rush at the last moment to stop student from writing after completion of time because the exam will automatically get completed and submitted.

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