# SYNOPSIS

## ON

## EXAM ROOM

**Submitted By:**                          **Submitted To:**

**Names: Abhishek Yadav**          **Faculty Name: Md. Farmanul Haque**
**Branch/Sec: B**
**University Roll NO:191500041**

**Names: Karan Chaurasia**
**Branch/Sec: B**
**University Roll NO:191500381**

**Names: Kinjal Varshney**
**Branch/Sec: D**
**University Roll NO:191500399**

**Names: Suraj Mishra**
**Branch/Sec: J**
**University Roll NO:191500828**

# **INTRODUCTION**

Online Exam Portal project has been made very interactive keeping in mind its re usability and user friendliness. The project has been developed using SPRING BOOT as a Back end and MYSQL as Database end and ANGULAR for the Front-end work. The user is provided with a database where the information is stored and can be retrieved any time when required. Security is maintained for the system, there is a User Name and Password for an authorized person only that person can access the data in the   system.

The purpose of this project is to develop Online Examination System. This is a web based Online Examination System which will help in conducting the Online Examination. The purpose of this Online Examination System project is to provide a web application which will considerably reduce the time required to give the exam and know the results. This project will provide an efficient platform both for the students and the teachers, by enabling examinations to be taken online.

# EXISTING SYSTEM

The Exam ROOM has the pool of student data, Where the NAME, Roll Number, Subject name, the name of the INVIGILATOR, the timings of START and END of exam. The Exam Portal System is idea to help School, College to conduct examination the pandemic like covid-19 it also helps to conduct fair exams for example we have GLA EXAM PORTAL which provide student of GLA university to go for online exam and fair exams are conducted.

The GLA University Exam Portal consist of a log-in page where students with the help unique university roll no. and passcode get login onto the portal, On the portal a pre assigned exam which are going to be conducted in the coming week is mapped so that student can study and know which subject exam is coming up, after starting the exam it will ask you to switch on the camera for conduction of fair exams, where this small cam windows will be shown in invigilators system. At the end the timer for the exam is set and when the time is over the exam portal itself ends the exam and save the written or chosen answer.

The EXAM ROOM can work on both Laptop/ Desktop and on Mobile Phones as if someone who is not capable to access the PC can give exam on mobile phones the portal works efficiently on both the System. Even admin or invigilator can uses mobile phone to keep track of exam

# USE OF THE PROJECT

Online Examination System project could be a web portal which is developed or implemented in java domain or platform. This project is helpful for students to practice different mock examinations from this site. In current generation lots of the examinations like GRE, CAT, and MAT...etc is conducted through online system. This project will help students to get practiced to online examination method by taking mock tests from this web portal. Online Examination System portal is implemented in 2 modules student examination module and examination admin module. Admin module will add multiple courses under different branches so students can easily know about test details. Student examination module students ought to register with application and choose interested courses and participate in the online test.

# Feasibility of Project

In the era of competitive examination, we want students to give test from the designated place they want as travelling to long distance can lead to waste of time and time management is the most important factor to crack any competitive exams likes CAT, GRE, JEE. We also want new generation to get introduce to this system for their preparations, we will provide them with quizzes and result so that they can accordingly work on their weaker areas.

There are total SIX module in our project:

- Admin

- Home

- LOG-IN

- SIGN-UP

- Student

- Profile

**The most important modules are ADMIN and Student.**

The Exam ROOM has 7 modules for admin which are:

- **ADD Categories:** Admin can add any category exam like GRE, CAT, etc.

- **ADD Questions:** Admin can Add question according to category.

- **Update Quiz:** Admin can change or add or delete any questions from the exam.

- **View Categories:** Admin can handle categories of exam.

- **Result Section:** Admin can check the result of each student.

- **View Participants:** Admin can Add and remove participants from the quiz.

- **Profile Check:** Admin can check the profile of and performance of each student.

The Exam Room has 3 modules for student which are:

- **Load Quiz:** Student can see the questions and attempt it.
- **Result:** Student can analyze his/ her result.
- **Profile:** Student can check his / her performance on profile.

# FUNCTIONAL SPECIFICATION

**User Characteristics:**

There are 3 kinds of users in the proposed system.

- **Student**: The student will logon to the system and take his/her examination. He can also check his previous examinations marks and his/her details. The student will get result immediately after the completion of the examination.
- **Examiner:** Examiners of each course will prepare questions and its options and loaded into the software. Examiners will approve student certificates generated by system.
- **Administrator:** The administrator is the main user of the system, and he can control complete website.

**Project modules of Online Exam Portal:**

- **Login Module:** In this module user can login to the website by entering login ID and password. After Login the system links to Profile page.
- **Accounts Module:** The module maintains the details for each student as well as provides a facility for editing the student details and the students can change their own passwords in this module if required.
- **Examination Module:** In this module students can take the exam and submit the answers. The system can automatically create exams by randomly choosing questions from database. It provides limited time to answer the questions. When the student starts the exam the timer will start automatically and show the student how much time is left. After the exam this module will be disabled automatically and Results can be viewed immediately upon Submission.
- **Dashboard Module:** Only Administrator and Examiner can access this module. here administrator or examiner can view student details, Marks report, examination report, etc. It has a facility to Add students details, view Student List as well as Edit student details and Also administrator can manage users details, course and subject details.
- **Question Bank Module:** Questions bank will have a program to add, modify and delete questions from subject. Here Examiner can upload questions and set valuation schemes and test duration. The questions have different attributes like subject, topic, marks, question text, options and the answer. The question can be text or image.

- **Results Module:** In this module students and examiners will get instant results. Results can also be printed as soon as the test finishes.

# Software Specification:

| Technology Implemented: | SPRING BOOT |
|---|---|
| Language Used: | JAVA |
| Database: | MYSQL |
| User Interface Design: | ANGULAR |
| Web Browser: | GOOGLE CHROME |

# Hardware Requirements:

| Processor: | RYZEN 5 |
|---|---|
| Operating System: | WINDOWS 11 |
| RAM: | 8 GB |
| Hardware Devices: | ASUS LAPTOP |
| Hard disk: | 512GB SSD, 1TB |

# FUTURE SCOPE

- Online Examination system is designed for Educational Institutions (like schools, colleges, universities, training Institutions).

- It can be used anywhere any time as it is a web-based application.

- It reduces the time of taking examinations of the students manually.

- This system will provide better security and transparency in the examination.

- The system handles all the operations, and generates reports as soon as the test is finish, that includes name, mark, time spent to solve the exam.

- Allows students to check correct answers after the examination.

- The type of questions is only multiple choice or true and false.

# THANK YOU