

# TOPIC : ONLINE EXAM PORTAL

## Abstract

Online Exam Portal project in java is a web application that provides a platform for conducting online examinations. This Project is performing all the crud operations like z CREATE/RETRIEVE/UPDATE/DELETE functions. It is a web application through which examiners can conduct online examinations and students can attempt those examinations. It helps students in self assessing their results. Admin can add examination on a date of their interest and enter an objective-type question-answers along with the correct answers. Students need to enroll and give the examination. Just after submitting, the students will be able to review their submissions and check the results.

In this project, hand gesture recognition system was developed to capture the hand gestures being performed by the user and to control a computer system based on the incoming information. Many of the existing systems in literature have implemented gesture recognition using only spatial modelling, i.e. recognition of a single gesture and not temporal modelling i.e. recognition of motion of gestures. Also, the existing systems have not been implemented in real time, they use a pre captured image as an input for gesture recognition. To overcome these existing problems a new architecture has been developed which aims to design a vision-based hand gesture recognition system with a high correct detection rate along with a high-performance criterion, which can work in a real time HCI system without having any of the mentioned strict limitations (gloves, uniform background etc.) on the user environment.

The following are the major objective of the application:

1. To provide an online platform to conduct examinations
2. To allow admin to add examination and set question paper
3. To allow students to give online examination and see results
4. To maintain a complete record of examination and results obtained by the students.
5. To allow any person to access the examination.
6. To provide an platform for users to self assess their knowledge in various categories like knowledge in java,python etc.

There are two types of actors in the application one is ADMIN who conducts the examination and the other one will be the User/Student who will be giving the examination.

## **ADMIN**

- Admin can ADD examination
- Admin can VIEW/EDIT/DELETE the list of examinations
- Admin can SEARCH the examination by Name
- Admin can ADD questions and their respective answers
- Admin can VIEW results
- Admin can SEARCH results by Exam Name or Student Name
- Admin can view its Profile

## **USER (STUDENT)**

- User can VIEW the examination list
- User can give examination
- User VIEW the result list
- User can view his/her Profile

## **Benefits:**

- Helps Students in self assessing their results.
- Reduced administrative burden.
- Quicker to mark and issue results.
- It saves time.
- It saves money.
- It is secure.

## **Working of Natural System**

Student needs to attend the exam in offline mode.He/she must carry halltickets,pen,pencil,etc for entering the exam hall and occupy at their own seats assigned by the authority.Student must not be able to know the results after the exam.The results will be published online.

## **Working of Designed System**

Student/User needs to attend the exam in online mode.He/She can login into the examination portal with their password and attend the same.They can view the result from their own account after the exam.Also they can view his/her Profile and evaluate the results.

Eg: Hackerrank,Examsnet

### **Technologies used**

Back-end: Spring Boot

Front-End: Angular

Database: MySQL