

ONLINE EXAM PORTAL

By

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Introduction

Online exam portal for internal examination is a web-based application for technical evaluation. Online exam portal will not only replace paper work but also release the work load of faculty. It will full fill the requirement of our institute to conduct the exam online. Thus, the purpose of our application is to provide a system that save the effort and time of faculty. This application has been developed using flask, a Python based web framework and PostgreSQL as database. The system carries out the examination and auto grading for multiple choice questions, which is feed into the system. It also gives shuffled set of question to all student.

The purpose of Online Examination Portal is to take online exam or quiz in an efficient manner and no time wasting for checking the paper. The main objective of this Portal is to efficiently evaluate the candidate thoroughly through a fully automated system that not only saves lot of time but also gives fast results.

The effective use of " Online Examination Portal ", any Educational Institute or training centers can be use it to develop their strategy for putting the exams, and for getting better results in less time. It also provides the results immediately after the examination with 100% accuracy and security.

1.1 Objective

- Corparate between the data stored in the server of the Institution and our Online Examination Portal.
- Specific a privilege for each person to allow each person use this system to create his own exam, and have complete control on his exam.
- The system handles all the operations, and generates reports as soon as the test is finish, that includes Roll number and total correct answers.

1.2 Scope

- Online Exam system is designed for Educational institute (like college, school, university and training centers etc.)
- No restriction that examiner has to be present when the candidate takes the test.
- No limitation of number of students can give examination at a time.
- Randomization of question set.

1.3 Purpose

- In comparison to the present system the proposed system will be less time consuming and is more efficient.
- The proposed system is very secure as no chances of leakage of question paper as it is dependent on the administrator only.
- Analysis will be very easy in proposed system as it is automated.
- Allow each faculty to create more than one exam with different way to create variant questions.

1.4 Student Zone

- In this module students can take the exam and submit the answers. Roll number of students is user id by which a student enters the system.
- The system can automatically create exams by randomly choosing questions from database with Shuffle options.
- It provides limited time to answer the questions, includes Timer, Roll number of students, current and total number of questions and Submit button.

- 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 is sent to the server of college.

1.5 Professor Zone

- In this module user can login to the website by entering login ID and password. After Login the system links to Profile page that will be focused on creating the examination.
- Only Administrator and Examiner can access this module. here administrator or examiner can view create exam, activate or deactivate exam, download result, etc.
- It has a facility to add image to questions, view Student List as well as Edit student details and subject details.
- Questions, options, answers and time in seconds all are uploaded to the website in a CSV file.

1.6 Technologies used

- Front end
HTML5, CSS3, JAVASCRIPT, AJAX, JINJA, Bootstrap 4.
- Backend
Flask, a micro web framework written in Python.
- Database
PostgreSQL.

5.1 Screenshots

Index page

This is the index page as well as login page of the application. To use the application features all user have to pass the authentication using their User Id and password

The screenshot shows the index page of the Online Examination Portal. At the top, there is a dark navigation bar with the text "Online Examination Portal" on the left and "Email" and "Password" input fields on the right, followed by a blue "Log in" button and the text "or Sign up". Below this is a light gray section with the text "Welcome to online exam portal of RIZVI COLLEGE." in the center. A yellow note reads: "Note:Please do not sign up or log in if you are a student,just fill the form below." To the left of the form, the text says "Good day,genius" and "fill out this form to get your internal started." The form itself is titled "Students Zone" and contains a dropdown menu for "Subject (select one)" with "Programming with Python 2" selected, a text input field for "Your roll number :", and a blue "Submit" button. Below the form is a light gray section with the heading "Online Examination Portal" and a paragraph of text describing the portal's purpose and technology. At the bottom, a dark footer bar contains the text "A Siddhant Shah Production".

Exam management page

Professors zone

Logout

Upload a file

Download CSV format

Branch	Semeter	Subject	Status	Options			
Cs	3	Programming with Python 2	Activate	Delete	Edit	LoggedIn	Result
Cs	4	Digital Electronics	Activate	Delete	Edit	LoggedIn	Result
Cs	3	Imperative Programming	Deactivate	Delete	Edit	LoggedIn	Result

Paper Upload

Professors zone

Logout

Upload a file

Download CSV format

Branch

CS

Semester

1

Subject Name

Choose File No file chosen

Create Exam

Edit paper

Professo

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Logout X

Logged

Question	Add Image
The value of EOF is ____	Choose File No...sen Submit
Which of the following is a discrete variable	Choose File No...sen Submit
Standard deviation is positive squqreroot of_	Choose File No...sen Submit
Value of the probability is always	Choose File No...sen Submit
If for a binomial distribution $n=10$ and $p=0.6$ then it's mean is□.	Choose File No...sen Submit
variance of binomial distribution is given by formula	Choose File No...sen Submit
Area under the curve of a normal distribution is	Choose File No...sen Submit
For a binomial variable mean= 2.5 , $n=10$ then find the probability of success	Choose File No...sen Submit

Upload a

Download

Logged in students

Professo

Descriptive Statistics and Introduction to Probability

Logout X

Logged

Roll	Action
2	Retake
3	Retake
5	Retake
6	Retake

Upload a

Download

Exam page

When will the else part of try-except-else be executed?

Skip

End Exam

always

when an exception occurs

when an exception occurs in to except block

when no exception occurs

Please select an option

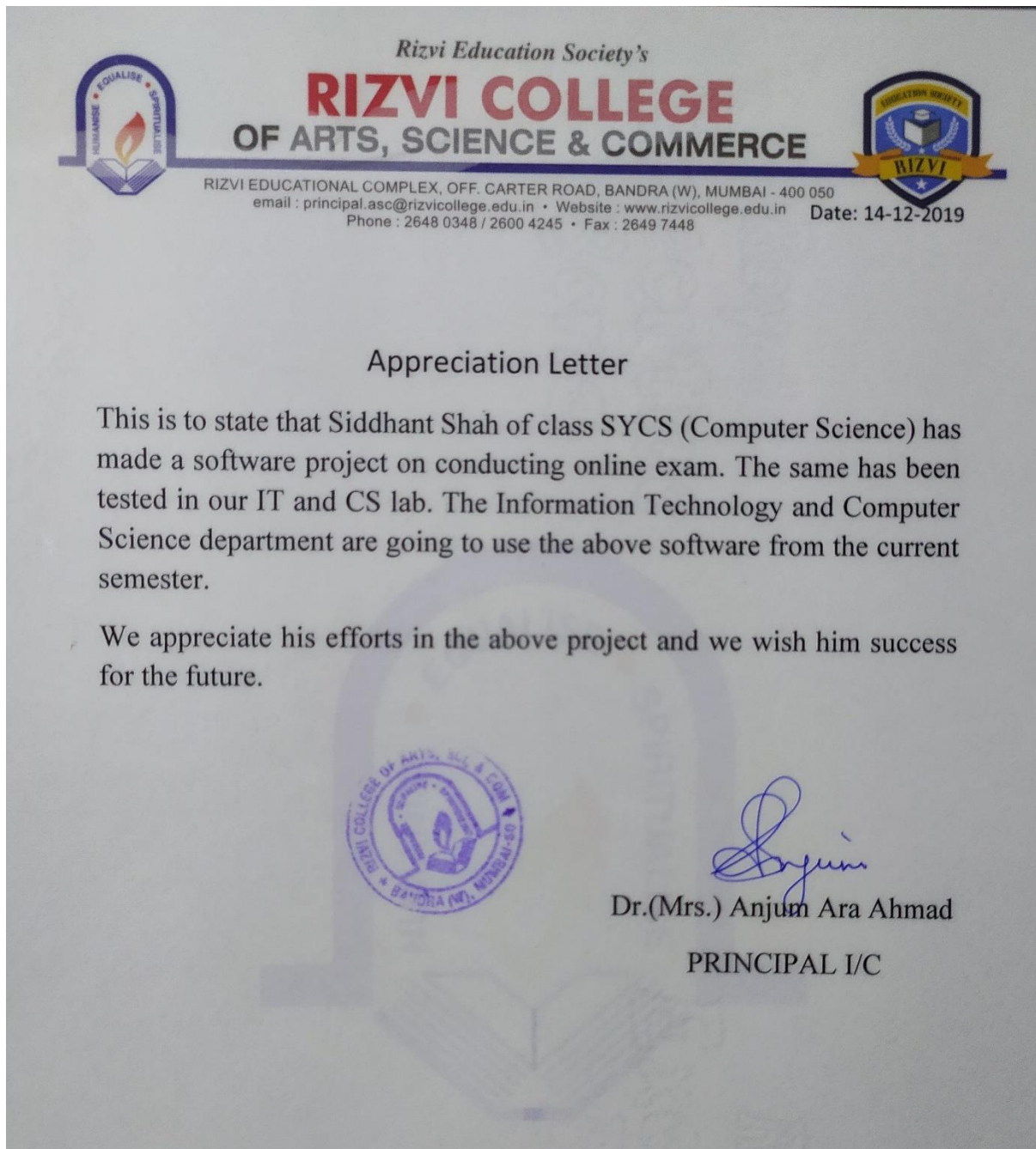
Result

The screenshot shows an Excel spreadsheet with the following data:

	A	B	C	D	E	F	G	H	I	J
1	Roll	Total right answers								
2	1	5								
3	2	15								
4	3	18								
5	4	14								
6	5	16								
7	6	20								
8	7	17								
9	8	10								
10	9	6								
11	10	5								
12	11	11								
13	12	13								
14	13	12								
15	14	7								
16	15	8								
17	16	9								
18	17	15								
19	18	18								
20	19	20								
21	20	19								
22	21	13								
23	22	14								
24	23	15								
25	24	17								
26	25	19								
27	26	5								

The spreadsheet also shows a status bar at the bottom with the text "result" and a plus sign icon.

Appreciation Letter



Link: <https://xamsoft.herokuapp.com/>