

# TITLE : ONLINE EXAM PORTAL

## PFSD-SEC-33



# Mentor:

## DR.A.R.Deepa

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- TEAM MEMBERS:
- 22SDCI01R-PFSD-CLUSTER3-3034

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# ABSTRACT:

This project is an online exam portal developed in Python using the Django framework. The portal allows teachers to create and manage exams, and students to take exams online. It features a user-friendly interface, secure login system, and a variety of question types.

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- The portal is divided into three main sections:
- Admin section: This section is for the school administrator to create and manage exams, users, and settings.
- Teacher section: This section is for teachers to create and manage exams, and view student results.
- Student section: This section is for students to take exams, view their results, and track their progress.
- The portal has a variety of features, including:
  - Secure login system
  - Multiple question types (multiple choice, true/false, fill in the blank, etc.)



# Specifications:

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- Timer for each question
- Ability to save and resume exams
- Progress tracking for students
- Detailed reports for teachers
- The portal is a secure and reliable way to conduct online exams. It is easy to use and can be customized to meet the needs of any school or organization.

# MODULE:

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- Django: Django is a Python framework that is used to develop web applications. It is a popular choice for developing online exam portals because it is easy to use, secure, and scalable.
- In addition to these modules, you will also need to install some other Python libraries, such as:
- numpy: NumPy is a library for scientific computing. It is used to perform mathematical operations on the data in the online exam portal.
- pandas: Pandas is a library for data analysis. It is used to manipulate and analyze the data in the online exam portal.
- matplotlib: Matplotlib is a library for plotting graphs and charts. It is used to visualize the data in the online exam portal.

# MODULE

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- once you have installed all of the necessary modules and libraries, you can start developing the online exam portal. The following are some of the key features that you need to implement:
- User management: The online exam portal should allow users to create accounts and log in.
- Exam management: The online exam portal should allow teachers to create and manage exams.
- Question management: The online exam portal should allow teachers to create and manage questions.
- Student management: The online exam portal should allow teachers to view student results and track their progress.
- Security: The online exam portal should be secure and protect the data of users and students.



# APPLICATIONS:

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- The Online Exam Portal finds diverse applications across various sectors due to its convenience, flexibility, and efficiency in administering assessments. Some key applications include:
- Educational Institutions: Schools, colleges, universities, and online learning platforms utilize the portal to conduct regular tests, quizzes, midterms, finals, and entrance exams. It allows educators to assess students' understanding and progress effectively.
- Professional Certifications: Organizations offering certifications or professional qualifications use the portal to assess candidates' knowledge and skills. This is common in fields such as IT, finance, healthcare, and project management.

# *BENEFITS OF ONLINE EXAM PORTAL*

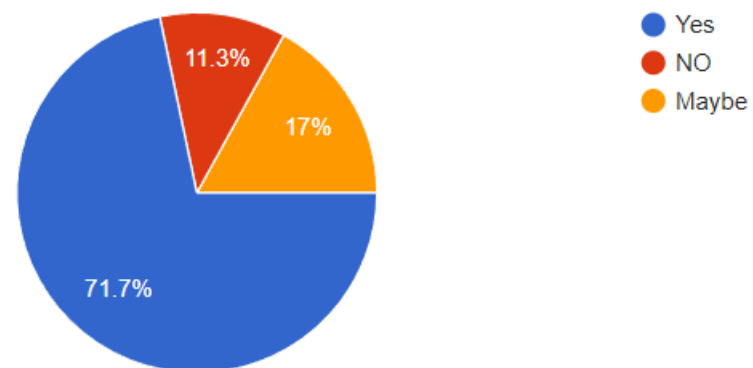
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- The Online Exam Portal offers numerous benefits for both administrators and exam takers:
- Convenience: Exam participants can take tests from any location with internet access, eliminating the need to travel to a physical exam centre.
- Time Efficiency: Online exams streamline the assessment process, reducing the time required for distribution, collection, and grading of traditional paper-based exams.
- Cost Savings: The portal reduces expenses associated with printing, distribution, and storage of paper-based exams. It also minimizes the need for physical exam centres.
- Flexibility: Users can schedule exams at their convenience, accommodating various time zones and individual preferences.
- Immediate Results: Automated grading leads to instant exam results, offering quicker feedback to participants and allowing for prompt analysis of performance.



**Are you to  
recommend the Online Exam Portal to others for conducting online exams?**

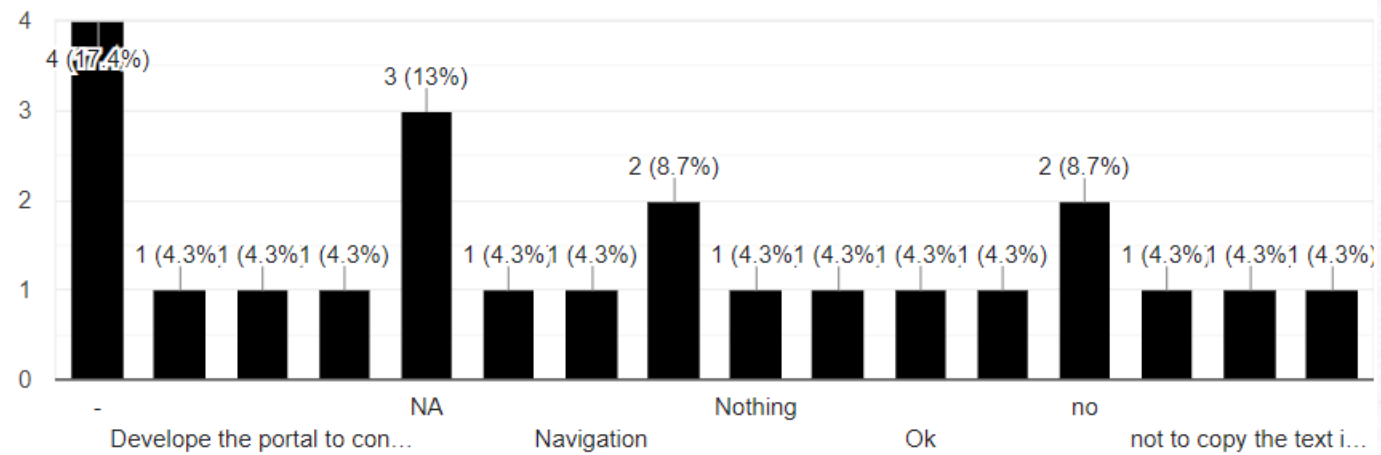
53 responses



Were there any features you expected to find on the portal that were missing or could be improved?

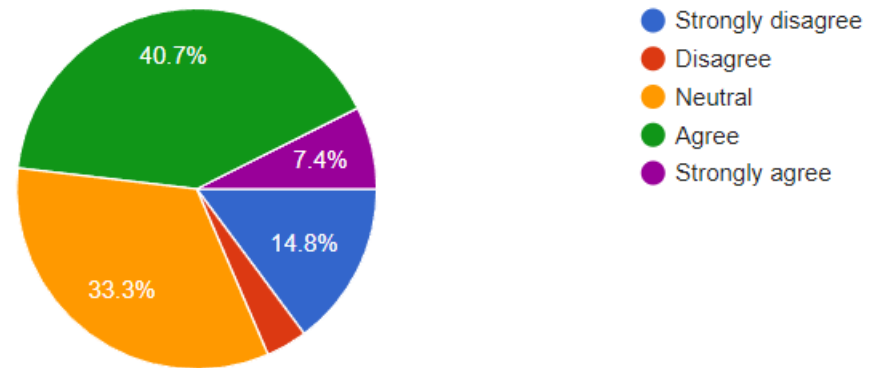
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23 responses



### Were the instructions provided for candidates clear and easy to understand?

54 responses

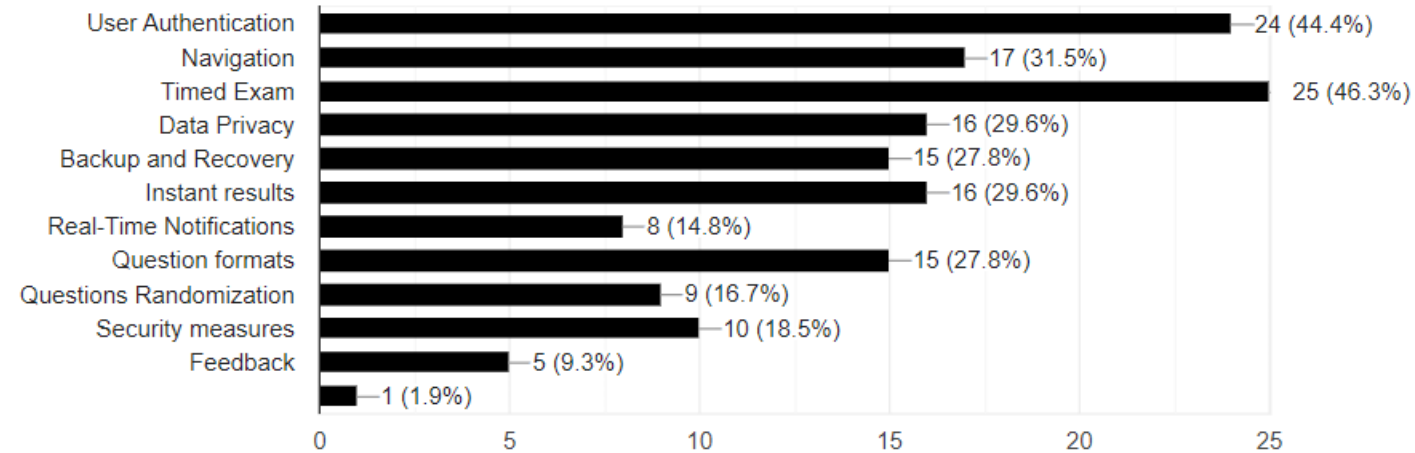




### What features do you find most valuable in an online exam portal? (Select all that apply)

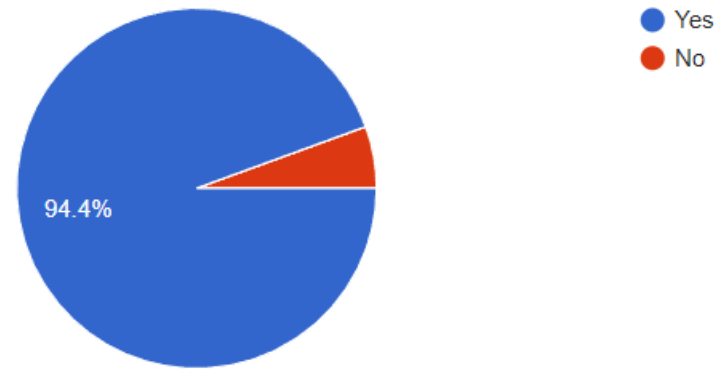
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54 responses



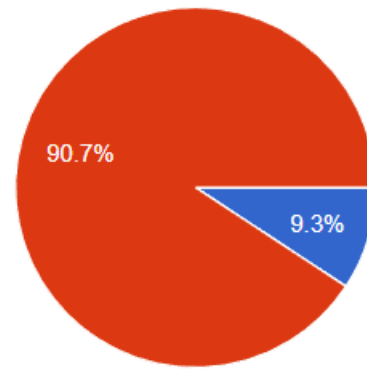
### Have you ever written an online exam..?

54 responses



## Age

54 responses



- Below 18
- 18-25
- 25-30
- 30-40
- Above 40



# PERSONA



## Rohini Pande

### ABOUT

Rohini is a professional Educator who is passionate about Education in some big University that are hosted by University institution. He has over 10 years of experience of Teaching competitively and won almost 20 Best titles. He has a Best talent for Online teach and Examier specifically.

### GOALS

- Get notified of the local/global University's for her Teaching
- Find local/online friends who plays the same game so that he could play with them whenever they are free

### KNOWN HABITS

- Always look for Students who are online before starting any Classes
- Usually participate in at least 55 online/offline classes each Day
- Very sensitive to time waste because she doesn't want anyone to Decrease her current teaching

### PREFERENCES

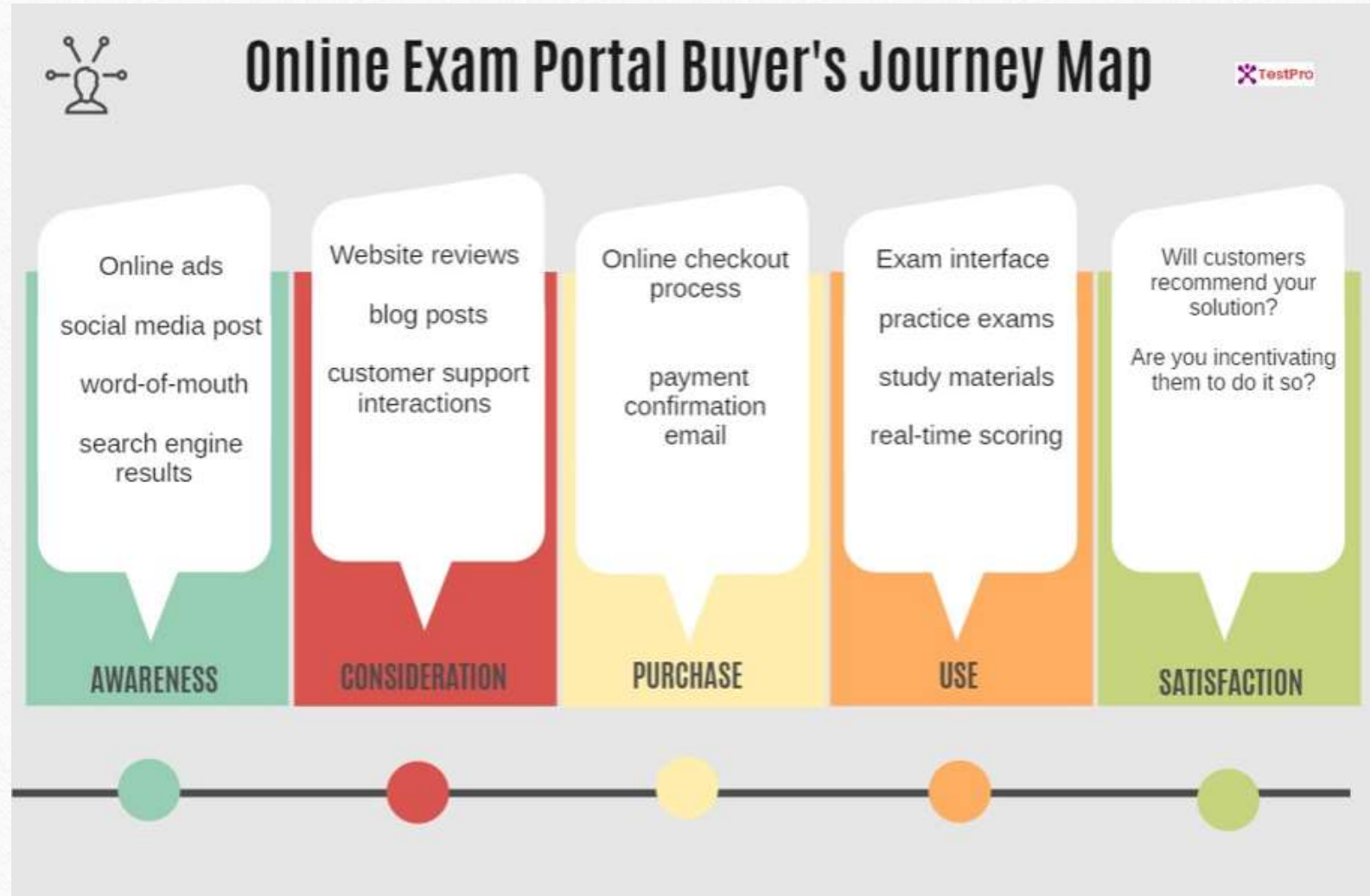
Examier  
Invigilator  
Educator  
VR Teaching  
Board Exam's



### PAIN POINTS

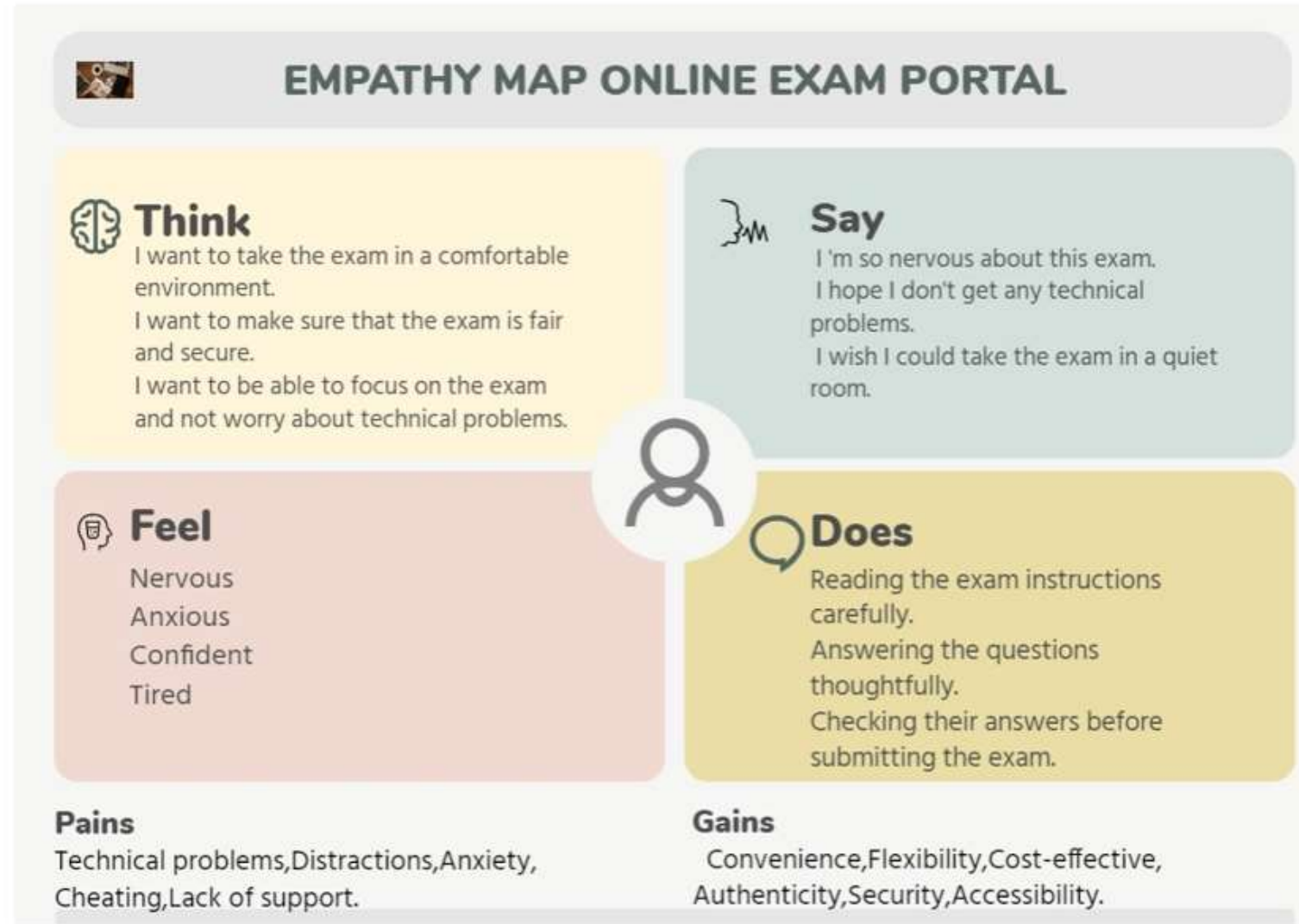
- Competitions are all over the place and there isn't a website that has all the info
- There are multiple ways to call/message Students and it's hard to keep track of who's on which channel

# CUSTOMER JOURNEY MAP





# EMPATHY MAP





# *CONCLUSION:*

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- Online exam portals are a convenient, secure, and effective way to conduct assessments. They can be used by students, employees, and other learners to take exams at their own convenience.
- To design a successful online exam portal, it is important to understand the needs of the users and the organization that is using the portal. By following the tips mentioned, you can design an online exam portal that meets the needs of everyone involved.

