

An Intelligent System to Choose Career

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ABSTRACT

To create an webpage for students graduating 12th to choose their degree course with some prior knowledge about the courses available and students can take tests respective to their interested topics and based on the test results available choices will be displayed. Thus students can choose the degree based on their skills rather than blinded by others suggestions. This website collects students information's and conducts tests based on their preference thus a choice is made based on the test results. Thus it makes easier for students, with no knowledge about higher studies and provides a suggestion for them. Test preferences are taken from these topics like chemistry, physics, computer, history, etc. Current generation students are hesitant to ask others for help. But this website might be able to help them since it's not a human.

Keywords- Courses, Tests

I. INTRODUCTION

There are many courses available for a student to choose after completing their higher studies but the fact is majority of the students choose their courses based on someone's opinion and most of them are unaware of what are the courses available and whether those courses are suitable for them. Though students notice only the famous courses most of the small courses are not known to them.

II. RELATED WORK

Technologies are developed and there is a very high rise in use of smart devices. Thus current generation students are taking online assessments and tests to evaluate themselves and queries they have are all being posted and answered in social network. Because of the rise of internet many organizations have come forward in development of online assessments and test sites to improve students and professionals skills. There are many websites available for students to know about the courses available after higher studies and provides the best colleges for the respective courses but the Problem these sites don't assess any test regularly to find students interest, strength and weakness thus making use of these details to provide a career guidance.

III. PROPOSED SYSTEM

A webpage for students to view courses details and take tests and based on the test results courses related to their interests are suggested. the main goal of the site is to let the student know about the available courses and identify their courses on their own instead of choosing a course based on someone's opinion or by majorities choice. the webpage is developed using the following:

MySQL: is an open source relational database management system.

NetBeans:NetBeans is an integrated software development environment for Java.NetBeans allows applications to be developed from a set of modular software components called modules.

JS: program the behavior of web pages. JavaScript enables interactive web pages and is an essential part of web applications.

Mysql connector jar file is used to connect Mysql with netbeans. And email verification is done using java mail api. The webpage stores the student details in the databases and compares the student test tables with course table and maps the courses that matches the score and display the courses and the course details.

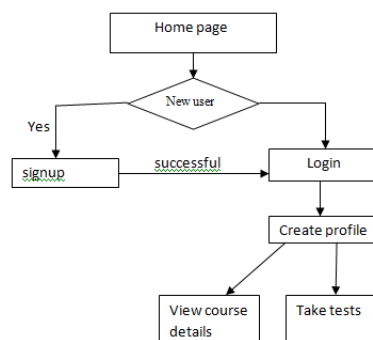


Fig 1: Architecture of the proposed system.

IV. IMPLEMENTATION

The proposed system is implemented using netbeans front end is developed using html, css, js and backend using java, sql databases are used. the students visits the site and register using their email id. Student details are sent to server then it passed to the main java program where

student email id is verified by using java mail api. The main program generates a random number from that random number English alphabet is picked and randomly capitalized then it is send to the registered mail id, thus email is verified by typing the otp from mail in the webpage. Profile is created. Then students can take tests by selecting their subject preference.
 Admin module: admin is authenticated, admin can edit student profile and can create tests and upload questions all these actions are stored in the databases.
 Test phase contains subject name and id. Each test has their own time limit. In home page the courses that can be taken after higher studies and the courses detailed information is showed to aware the students.

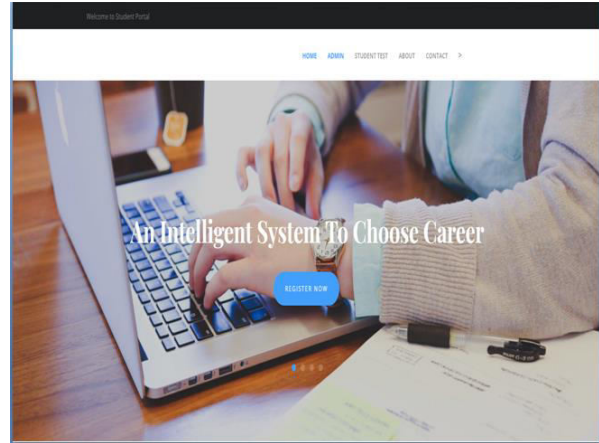


Fig 2: The Home page.

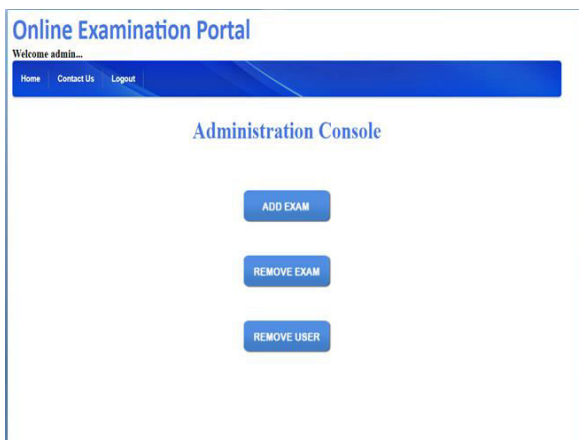


Fig 3: Admin console.



Fig 5: Test Portal.

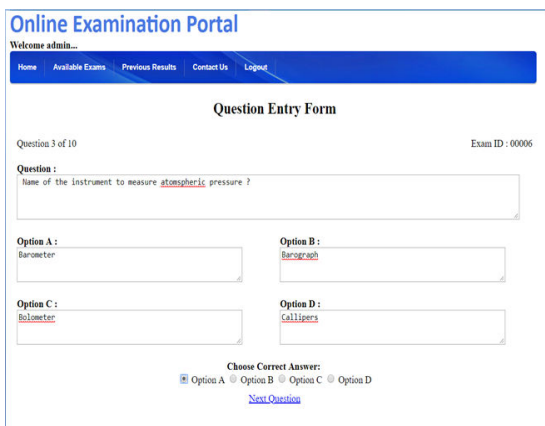


Fig 4: Question upload.

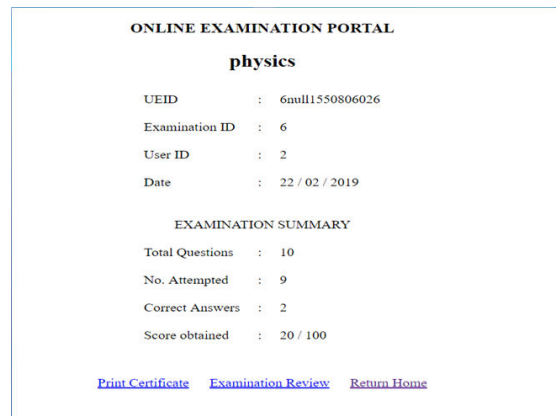


Fig 6: Test Result Portal.

V. CONCLUSION

The current generation communicates with technologies more than communicating with others. Thus everything has been digitalized so, the proposed system is to create an webpage for students to identify their career choice by taking tests on their interested subjects. This proposed system is a initiative for future development in creating an expert system for students to choose and identify their strength, weakness, area of interest on taking account of all

These factors the system going to generate a profile for student thus students can identify their strength and weakness and choose course with much more confident and knowledge.

VI. FUTURE ENHANCEMENTS

- **Creating an Advanced student profile:**with the rising development in artificial intelligence and machine learning an advanced profile system for each individual student must be developed in student character thus courses can be allocated based on an individual's personalities.
- **Long term Assessments:** it is impossible to choose courses only by taking few tests in order to improve more accuracy long term assessments must be made. Thus an individual students ability to improvise can be identified which is an another factor need to be considered.

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