

Career Guidance

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Abstract— Most of the users are confused while selecting their streams according to their capability. User can select career choice based on their IQ. The IQ test brings an easy interesting working environment, more clarity in presenting appropriate information to the user and also it gives faster access and retrieval of information from the database. This system test to help students who are pursuing their educational degrees, to choose a stream best suited for them, according to their proficiency. Due to misguidance or peer pressure students generally seem to choose the course which their friends have chosen, and therefore we are often left with students who end up choosing an academic major which is incompatible with their interests and passion. To avoid this dilemma, we have proposed this website wherein, students of will have a platform to test their skills in different streams to see where exactly they excel.

Keywords: *career choice, educational degrees, academic major*

INTRODUCTION

In the current scenario, most of the students in our country usually don't have the proper guidance to decide which major they should pursue for their further education. The choice is usually made based on what the majority is pursuing. However, since each person is uniquely gifted and not everybody has the capability to pursue what the others are doing, students usually tend to struggle a lot in their further studies. This leads to various psychological issues for the students as they try to fit into a stream which is incompatible with their proficiency and passions.

Although there are various systems in the form of applications and online modules which provide the students with the opportunity to take a free Online Aptitude test, there is nothing which provides the students with the explicit guidance or advise as to which stream they are supposed to pursue. This system—Stream Analysis using Online Aptitude Test fills into this void. With the help of this website, students can not only appear for an Aptitude Test online, but at the end of the test, along with the marks, the students are also suggested with the stream or academic major which is best suitable for them according to their proficiency.

The marks of the students indicate their level of interest, knowledge etc. in that particular stream. This system is uniquely designed with tests for students from different streams—SSC students are provided with tests from science, commerce and arts, whereas HSC students are provided with tests from their pertinent streams. This system would help students to choose which stream is most likely suitable for them in a hassle free manner.

Aptitude Test for Career Choice helps the students/candidate to understand which academic stream or major is most suitable for them. Its mission is to offer a quick and easy way to appear for the test and it also provide the result immediately after the test. It consists of various sections which contain multiple choice type tests, it can provide special advantages to the applicants/students that can't be found anywhere else.

PROJECT CONCEPT

Online aptitude test is valuable, to both the worker and the company. Personal objectives, working style, options, and

social skills are all part of what the assessments can evaluate. In order to get precise information and test outcome, solutions to concerns must be sincere without much thought on what your response may indicate. The sincerer you are with your solutions, the more precise your outcomes will be, and the more likely you are to get the job that suits your abilities, strong points, and options.

Through such test, test facilities can help you find the job you have always desired, the job in which you will most likely succeed. Testing facilities have an extensive data source of possible careers, which will then be used to produce which ones coordinate your options the best. They may not be doubling precise, but they will definitely be able to information you in selecting which career you should take. For more details, below are some pros and cons of online aptitude testing: Advantages You are free from the stress of having to go to test places.

The test can be done online, and can be taken in the comfort of your home-or wherever you are. All you need is a pc and Internet access. The outcomes can be produced right away. You can also get appropriate sources and details on the careers that coordinate your test outcomes. Prediction and Analysis for Students Marks Based on Decision Tree Algorithm: Using decision tree algorithm C4.5 to establish a classification rule and an analysis-forecasting model for students 'marks.

PROJECT DESIGN

This project is based on the database, web based techniques. To keep the records in database it uses MySQL software which is one of the best and the easiest database to keep information. This project uses Bootstrap as the front-end software which is an HTML based Programming and has connectivity with MySQL. The user's details are stored in a database like their name, date of birth and gender.

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SYSTEM ARCHITECTURE

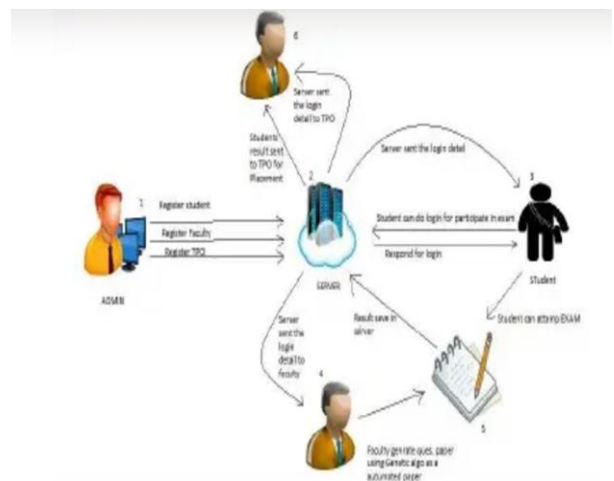


Fig No 1: Basic Architecture of the system

PARALLEL DEVELOPMENT APPROCH

This model of methodology attempts to address the problem of long delay between analysis phase and the delivery of the system. Instead of doing design and implementation in sequence, it performs a general design for the whole system and then divides the project into a series of distinct subprojects that can be designed and implemented in parallel. Once all subprojects are complete, there is a final integration of the separate pieces, and the system is delivered. Here we had used the same technique for development

DEVELOPMENT TOOLS

I. PHP

The PHP Hypertext Pre-processor (PHP) is a programming language that allows web developers to create dynamic content that interacts with databases. PHP is basically used for developing web based software applications. This tutorial helps you to build your base with PHP.

II. Sublime Text 3

Sublime Text is a shareware cross-platform source code editor with a Python application programming interface (API). It natively supports many programming languages and mark-up languages, and functions can be added by users with plugins, typically community-built and maintained under free-software licenses. Sublime Text is powerful where you need it to be, but simple and out of your way at the same time. Great keyboard shortcuts and multi-selection options. Great package manager installation process for easily extending functionality.

III. MYSQL

MySQL is free and open-source software under the terms of the GNU General Public License, and is also available under a variety of proprietary licenses. MySQL was owned

and sponsored by the Swedish company MySQL AB, which was bought by Sun Microsystems (now Oracle Corporation).

SYSTEM WORKFLOW

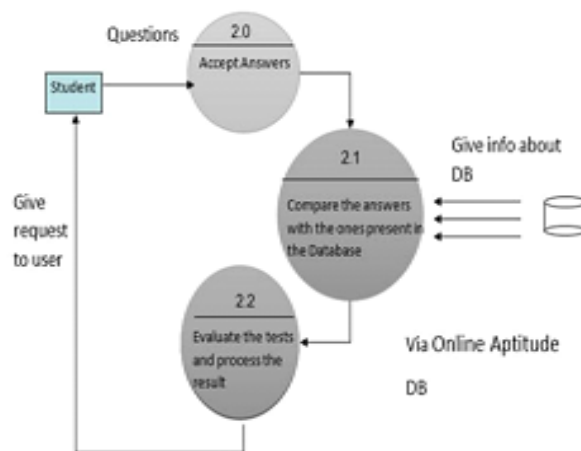


Fig No 2: Workflow of the system

DATA FLOW DIAGRAM

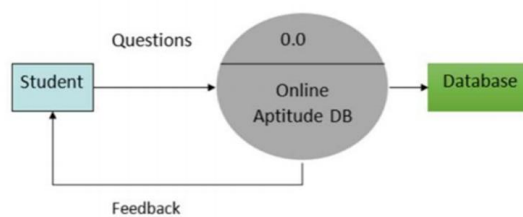


Fig No 3: Data Flow Diagram

APPLICATIONS

1. Used by companies & Organizations.
2. Can also be used by School/College Staff.

ADVANTAGES

1. User can generate test papers randomly and instantly, thus saving a lot of time.
2. The algorithm enables randomization of questions.

3. A new question can be added to the database at any instance and different sets of test papers could be generated without any limitation.
4. TPO can send offer letter to any student who meet minimum requirement of company.
5. Students can easily access to the notes which was provided by the faculty.
6. Students needed to get verified first by admin

LIMITATIONS/CONSTRAINTS

1. Need an active internet connection
2. No one can access without registration

CONCLUSIONS

Career Guidance System is an innovative idea. The opportunities provided by this e-medium are immense and many students can make use of this medium to choose a career more appropriate to their skills. In today's competitive and technology driven world, with innumerable options available, the student is generally confused on choosing the right or more suited career. The world these days is moving towards "information streams". The information is thrown to the user rather than the user learning about the information. Keeping the above in view, it is felt that the proposed system has the ability to connect to various students and help them connect to most suited career. To conclude, the objective of designing this system is to lend a helping hand to the students aiming for such a career. By using our system, one will be guided towards a career to pursue and how to work towards it. The proposed system currently deals with guiding students in a direction that is right for them i.e. to select a proper career path depending upon the present skill sets and mental abilities.

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