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## Designing of Prediction Based System for Training and Placement in Education Institution

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### ABSTRACT

*This paper is about to develop a web-based application which can examine student ability to crack aptitude test conducted by various companies during their campus recruitment drive at the beginning of their final year. This would help them to know their weak points at an early stage and improve their skills before they appear to an aptitude test.*

**Keywords:** PHP, MySQL Database, Exam System and Prediction Techniques, WAMP Server.

### 1. INTRODUCTION

We have studied and examined that many students who appear on campus drives are unable to crack aptitude test, though they have technical skills and knowledge. Our idea is to develop a web-based application which can examine student ability to crack aptitude test conducted by various companies during their campus recruitment drive at the beginning of their final year. This would help them to know their weak points at an early stage and improve their skills before they appear to an aptitude test.

### 2. METHODS

When a student wants to appear for the test, first he/she has to sign up and enroll himself/herself in the database by using username and password. A serial number will be allotted to that individual student in the database i.e. primary key. Then once student sign up's himself/herself he can give an aptitude test. That test will contain multiple choice questions on English, Logic, Math's, and Technical etc. Once the test is completed our application will predict that student's result and show him/her strength and weakness.

Working of our application can be divided into six section

- Signup into the application
- The database will create a new entry
- Login
- Appear for test
- Display test result
- Predict strength and weakness

#### 1) Signup into application

This will contain a basic signup/login form created in PHP language through which student can sign up as well as login into the application. This form will be linked with a database which will keep track of every student's username, password, and his/her marks.

## **2) The database will create a new entry**

When a student will create their username and password and click on login button, then that username and password will enter into the database allotting each and every one a serial number. If the username is repeated in some case then it will show popup and notify student to enter a new username.

## **3) Login**

Once data entry is done into the database, then the student can login into the application. Authentication of the genuine student is done if his/her password matches to the one they have entered at the time of signup. In case password does not match, the student cannot log in and he/she will be not allowed to give the test.

## **4) Appear for test**

After student login successfully he/she can start the test. In which there will be fixed number of multiple choice question which student have to answer. A time counter will start as soon as the student starts the test. If the time session expires, the test will automatically submit and the result will be stored in the database.

## **5) Display result**

Displaying result as soon as the test is complete is on the institution. If they want to store the result and disclose it later it's on them, or they can simply display the result after the test is complete.

## **6) Predict strength and weakness**

After displaying result the system will predict the student strength and weakness. The system generates the report and displays to the Admin (T & P Officer) and after that Admin will take appropriate action.

## **3. CONCLUSION**

The test will contain multiple choice questions on English Comprehension, Logical Reasoning, Quantitative Ability, Technical Knowledge etc. Once the test is completed our application will predict that student's wifergate result and with the help of final result show student's strength and weakness.

## **4. ACKNOWLEDGMENT**

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