A Project Report

On

"ONLINE APTITUDE TEST WEB APPLICATION"

Submitted to

CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY
BHILAI, (C.G.)

In partial fulfilment for the award of the degree

of

Bachelor of Engineering

in
COMPUTER SCIENCE & ENGINEERING
by

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Session: 2018-19

DECLARATION BY THE CANDIDATE

We the undersigned solemnly declare that the report of the thesis work entitled "ONLINE APTITUDE TEST WEB APPLICATION", is based on my own work carried out during the course of my study under the supervision of Gargi Shankar Verma, associate professor, Department of computer science, Columbia Institute of Engineering College, Raipur(CG).

I assert that the statements made and conclusions drawn are an outcome of the project work. I further declare that to the best of my knowledge and belief that the report does not contain any part of any work which has been submitted for the award of any other degree/diploma/certificate in this University/deemed University of India or any other country. All helps received and citations used for the preparation of the thesis have been duly acknowledged.

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CERTIFICATE OF THE SUPERVISOR

This is to certify that the report of the thesis entitled "ONLINE APTITUDE TEST WEB APPLICATION" is a record of bonafide research work carried out by Chitrarekha Gilhare , Pooja Mahanand, Purnima Koshle, Rukhsana Khan, bearing Roll No.: 3262215012, 3262215031,3262215033,3262215039 under my guidance and supervision for the award of Degree of bachelor of Engineering in the faculty of Gargi Shankar Verma, HOD, Department of computer science, of Chhattisgarh Swami Vivekanand Technical University, Bhilai (C.G.), India.

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Forwarded to Chhattisgarh Swami Vivekanand Technical University

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This is to certify that the project work entitled "ONLINE TEST APTITUDE APPLICATION" Submitted by Chitrarekha Gilhare, Pooja Mahanand, Purnima Koshle, Rukhsana Khan have been completed under the guidance of Gargi Shankar Verma, associate professor, Department of Computer Science & Engineering, Columbia Institute Of Engineering , Raipur (CG) has been examined by the undersigned as a part of the examination for the award of Bachelor of Engineering degree in Computer Science branch in Columbia Institute Of Engineering College, Raipur of Chhattisgarh Swami Vivekanand Technical University, Bhilai(CG).

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ABSTRACT

This work deals with development of web application multiple-choice question examination system, namely: Quiz. This application is developed for educational purpose, allowing the users to prepare the multiple choice questions for different examinations conducted on provincial and national level. The main goal of the application is to enable users to practice for subjective tests conducted for admissions and recruitment, with focus on Computer science field. This quiz application includes three main modules, namely (i) computer science, (ii) verbal, and (iii) analytical. The computer science and verbal modules contains various types of sub categories. This quiz includes three functions: (i) Hint, (ii) Skip, and (iii) Pause, which are collectively named as life lines that help users to answer questions correctly. These functions can be used only once by a user. It shows progress feedback during quiz play, and at the end, the app also shows the result.

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CHAPTER – 1
INTRODUCTION

Aptitude and ability tests are designed to assess your logical reasoning or thinking performance. They consist of multiple choice questions and are administered under exam conditions. They are strictly timed and a typical test might allow 30 minutes for 30 or so questions. Your test result will be compared to that of a control group so that judgments can be made about your abilities.

Aptitude tests help employers in assessing a candidate's suitability to perform a certain task in a logical and structural manner. It also helps measure the candidate's communication skills to be successful in any role.

Aptitude tests are popularly used in the pre-employment selection processes as an additional evaluation tool of candidate competencies. Whether it is numerical, verbal, or non-verbal reasoning tests, aptitude tests have completely taken over the recruitment world in the past

An aptitude test, by definition, is any type of assessment that evaluates the talent/ability/potential to perform a certain task, with no prior knowledge and/or training. To simplify this aptitude test definition, think about the following examples: a true/false/cannot say verbal reasoning test could help a legal firm evaluate the ability of a lawyer to draw conclusions from legal documents. A concentration test could help a rail operator evaluate a driver's ability to keep focused while being involved in the monotonous work of driving a train.
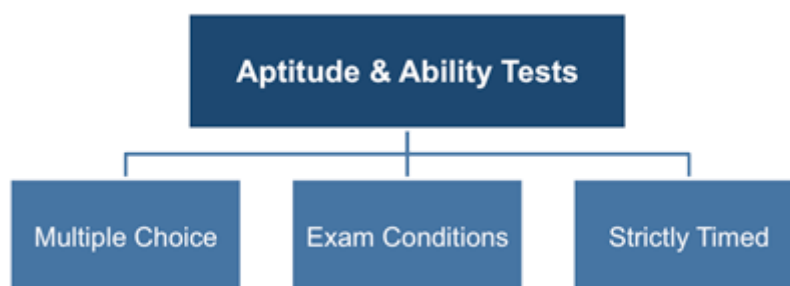
Fig:-1.1 Function of Aptitude

You may be asked to answer the questions either on paper or online. The advantages of online testing include immediate availability of results and the fact that the test can be taken at employment agency premises or even at home. This makes online testing particularly suitable for initial screening as it is obviously very cost-effective Developed during World War Carl Brigham a psychologist developed this test. First used in the recruitment of Army called Army Alpha. Use as a college admissions test in 1926. In 1933 James Bryant Conant decided to start a new scholarship program. In 1938 all the member schools of the College Board started using the SAT as a uniform exam, but only for scholarship applicants. In 1942, because of the war, all

the pre-existing College Board admissions tests were abolished, so the SAT became/the test for all applicants.In 1944, under contract to the Army and the Navy, administered the SAT to more than 300,000 people all over the country on a single day. In 1948 the Educational Testing Service was chartered and the SAT was on its way to becoming the basic college admissions device for millions.

Fig:-1.2 Way of Test

A Paper and pencil test is a "Traditional" way of assessing students and this type of structure limits the awareness for individualized learning and the level of knowledge with students being taught only what they need to know to pass the test therefor "Dumbing the Curriculum".

A student is not more intelligent because they are able to transfer their learning's onto paper. Some students may not be able to express themselves in this manner as it only reflects one type of learning style, it does not mean they did not understand or GET what was taught. On the other hand, a minority of students will shine through this type of assessment.

Free Online Aptitude Test Questions and answers for exam preparation. We cover all sections under quantitative aptitude Test and data interpretation. Aptitude Test is one of the most important sections in the entire competitive, Campus and entrance online test. Evaluate your Aptitude test questions skills by trying the online exams and know your score.

1.1 HISTORY & ORIGIN

Developed during World War Carl Brigham a psychologist developed this test. First used in the recruitment of Army called Army Alpha. Use as a college admissions test in 1926. In 1933 James Bryant Conant decided to start a new scholarship program. In 1938 all the member schools of the College Board started using the SAT as a uniform exam, but only for scholarship applicants. In 1942, because of the war, all the pre-existing College Board admissions tests were abolished, so the SAT became/te test for all applicants.

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1.2 WORKING

Aptitude and ability tests can be classified as **speed tests or power tests**. In speed tests the questions are relatively straightforward and the test is concerned with how many questions you can answer correctly in the allotted time. Speed tests tend to be used in selection at the administrative and clerical level. A power test on the other hand will present a smaller number of more complex questions. Power tests tend to be used more at the professional or managerial level.
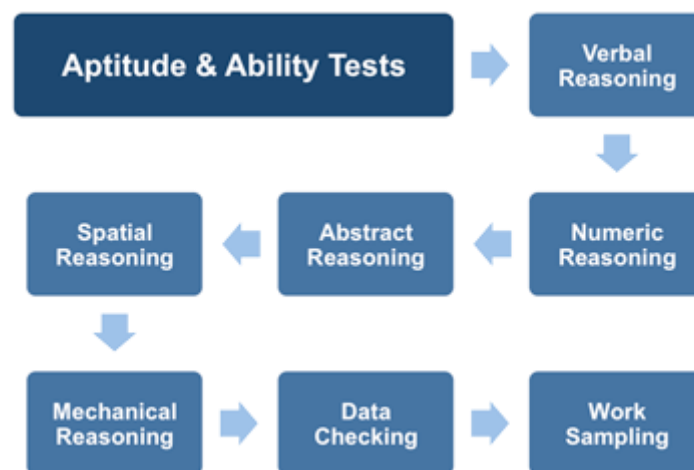

Fig:-1.3 Aptitude Function

There are at least 5000 aptitude and ability tests on the market. Some of them contain only one type of question (for example, verbal ability, numeric reasoning ability etc.) while others are made up of different types of questAn aptitude is a component of a competency to do a certain kind of work at a certain level. Outstanding aptitude can be considered "talent". Aptitudes may be physical or mental. Aptitude is inborn potential to do certain kinds of work whether developed or undeveloped. Ability is developed knowledge, understanding,

learned or acquired abilities (skills) or attitude. The innate nature of aptitude is in contrast to skills and achievement, which represent knowledge or ability that is gained through learning.
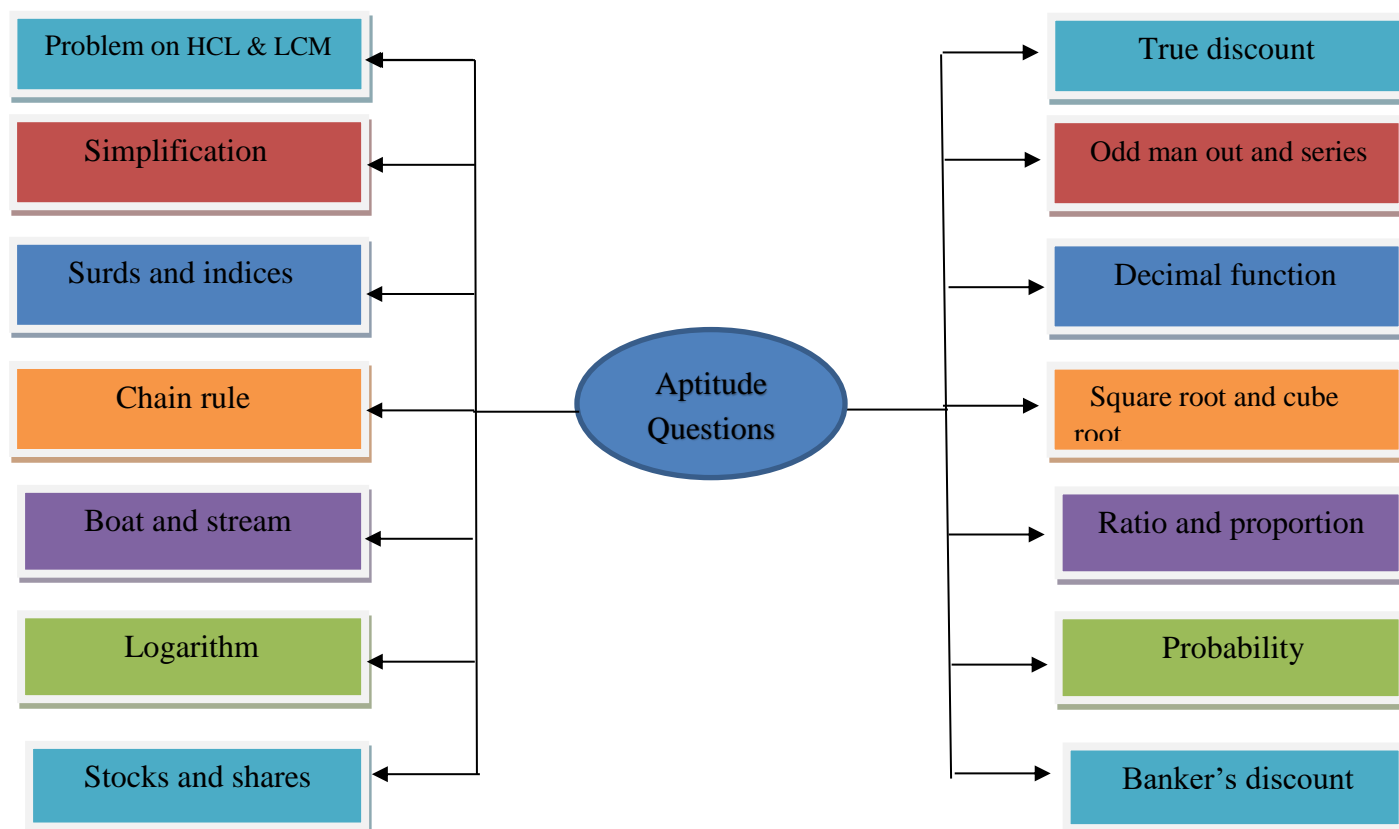
1.3 TYPES OF APTITUDE QUESTIONS

Problem on HCL & LCM		True discount
Simplification		Odd man out and series
Surds and indices		Decimal function
Chain rule	Aptitude Questions	Square root and cube root
Boat and stream		Ratio and proportion
Logarithm		Probability
Stocks and shares		Banker's discount

Fig:-1.4 types of aptitude

1.4 IMPORTANCE

➢ **WHAT IS THE VALUE OF APTITUDE WEB APPLICATION?**
➢ They are excellent predictors of future scholastic achievement.
➢ They provide way of comparing a child's performance with that of other children in the same situation.
➢ They provide a profile of strengths and weaknesses.

1.7 CONDITION: -

- ➢ They have uncovered hidden talents in some children, thus improving their educational opportunities.
- ➢ They are valuable tools for working with handicapped children.
- ➢ Group aptitude test----quick and inexpensive.
- ➢ Aptitude test are valuable in making program and curricula decision.

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LITERATURE REVIEW

2.1 Papers

The paper "ONLINE APTITUDE TEST" [2.1.1]   is said that "The purpose of on-line aptitude test system is to take online test in an efficient manner and no time wasting for checking the paper. The main objective of on-line aptitude test system is to efficiently evaluate the candidate thoroughly through a fully automated system that not only saves lot of time but also gives fast results. For students they give papers according to their convenience and time and there is no need of using extra thing paper, pen etc. This can be used in educational institutions as well as in corporate world. Can be used anywhere any time as it is a web based application (user Location doesn't matter). No restriction that examiner has to be present when the candidate takes the test. Every time when lecturers/professors need to conduct examinations they have to sit down think about the questions and then create a whole new set of questions for each and every exam. In some cases, the professor may want to give an open book online exam that is the student can take the exam any time anywhere, but the student might have to answer the questions in a limited time period. The professor may want to change the sequence of questions for every student"

The paper "ONLINE APTITUDE TEST GENERATION SYSTEM" [2.1.2] is said that "Online Aptitude Exam Generation system is a web based system. This System is smart enough to find the student level within short interval of time and to produce the accurate result. The main feature in this system is the concept of timer, timer is to be added to every question for analyzing the answer to set to the level of the paper. This system is proposed to deal with online objective type questions where the system analyze and studies the students answer depending upon the difficulty level and the time taken by the student to attempt that particular question. This system describes the conduction of online examination system for the objective type of exam. It also points out the way of attempting the question depending upon time taken and the correctness of the answer."

The paper" Stream Analysis Using Online Aptitude Test" [2.1.3] is said that "This paper proposes a project named Stream Analysis using Online Aptitude 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. Depending on their scores in the aptitude tests containing questions from different streams, the system suggests the student which stream is best suited for him/her, as their scores indicate their level of interest, skill and knowledge in that particular stream. This website is developed particularly to cater to the needs of the students of SSC and HSC and consists of tests containing questions from the pertinent subjects and streams."

The paper" A Review Paper on Cross Platform Mobile Application Development IDE" [2.1.4] is said that "Cross Platform Mobile Application Development is the development of mobile based applications so that the development of these types of applications can be made platform-independent. A review has been made in this field while considering Integrated Development Environment is being proposed which will help a software developer to code an application in a single code base and deploy that single code base to multiple operating systems meaning if a developer codes in Java for Android, the developer can deploy the same Java code to iOS subsystem. First the development of a operating system compatibility architecture which helped to run unmodified iOS binaries on Android operating system and second phase of proposed solution helped to understands the cross-platform application development tools which are currently available in the market. The third step is to understand such cross-platform development tools in more detail and finally a mathematical model based application"

The paper" Quiz Application Development Using Android-Based Platform" [2.1.5] is said that "This work deals with development of android-based multiple-choice question examination system, namely: Quiz. This application is developed for educational purpose, allowing the users to prepare the multiple choice questions for different examinations conducted on provincial and national level. The main goal of the application is to enable users to practice for subjective tests conducted for admissions and recruitment, with focus on Computer science field. This quiz application includes three main modules, namely (i) computer science, (ii) verbal, and (iii) analytical. The computer science and verbal modules contains various types of sub categories. This quiz includes three functions: (i) Hint, (ii) Skip, and (iii) Pause, which are collectively named as life lines that help users to answer questions correctly. These functions can be used only once by a user. It shows progress feedback during quiz play, and at the end, the app also shows the result."

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PROBLEM IDENTIFICATION

The first problem is that there are loads of hard copied documents being generated. This brings us to the age-old discussion of keeping information in the form databases keeping the same on sheets of paper. Keeping the information in the form of hard-copied documents leads to the following problems:

i. Lack of space – It becomes a problem in itself to find space to keep the sheets of paper being generated as a result of the ongoing discussion. The documents being generated are too important to be ill-treated.

ii. Filing poses a problem – Filing the documents categorically is a time consuming and tedious exercise.

iii. Filtering is not easy – It becomes hard to filter relevant documents for the irrelevant ones if the count of the same crosses a certain manageable number.

Reviewing becomes time-consuming – All the process done manually at the centers and all the records are maintained on the papers. So the maintenance of the record is very difficult in the departments and as well as it's very difficult for the workers to check the record.

To solve these problems, they required a computerized system to handle all the works. They required a web based application that will provide a working environment that will be flexible and will provide ease of work and will reduce the time for report generation and other paper works. The main purpose behind the proposed system is to provide a comprehensive computerized system, which can capture, collate and analyze the data from these wards and evaluate the impact of the program.

constraints As this system is based on client server technology, so for normal operation minimum of 64 MB RAM will be required on all clients.

assumptions in general it has been assumed that the user has complete knowledge of the system that means user is not a naïve user. Any data entered by him/her will be valid. To make the software as user friendly as possible but at the same time keeping in minds user requirements.

• Server OS should be Windows NT/2000/XP. • Client PC should be Windows 9X/NT/WorkStation or Windows 2000 with latest service pack.

dependencies It depends that the one should follow the international standards for the generating the User ID & should fill the related information in the proper format.

The complexity to set the questions in a system and to access these questions on the students behavior of attempting the question right and putting them to the next level makes the system complex. Also this is done with the student progress of giving correct answer in short interval of time, which decides the students level

and analyzing the result. In the proposed system all questions are divided into groups on the basis of level of difficulty. Once the student starts the exam the system will set the question level and set the timer for a particular question owing to move to the higher level by attempting the question right within that time interval set by the administrator for moving to the higher level. If the answer given by the student is wrong it remains at that level. We are introducing a timer to each and every question testing the capability of the student Timer plays a very vital role for a student to attempt the exam, the way timer is used by the system to process the level is achieved under one of the following condition: -

a) Suppose when the student gives the right answer and within less time as specified by the questioner faculty for the particular question then the students eventually moves to the higher level.

 b) Suppose that student has not given any answer within the time limit then the level stays at same position considering the answer to be wrong.

c) The final situation to occur to deal the system is that the answer given by the student is wrong and level is maintaining to be the same for the student.

To solve these problems, they required a computerized system to handle all the works. They required a web based application that will provide a working environment that will be flexible and will provide ease of work and will reduce the time for report generation and other paper works. The main purpose behind the proposed system is to provide a comprehensive computerized system, which can capture, collate and analyze the data from these wards and evaluate the impact of the program

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METHODOLOGY

The establishment and use of sound engineering principles in order to obtain economically developed software that is reliable and works efficiently on real machines is called software engineering.

Software engineering is the discipline whose aim is:

1. Production of quality software
2. software that is delivered on time
3. cost within the budget
4. satisfies all requirements.

Software process is the way in which we produce the software. Apart from hiring smart, knowledgeable engineers and buying the latest development tools, effective software development process is also needed, so that engineers can systematically use the best technical and managerial practices to successfully complete their projects. A software life cycle is the series of identifiable stages that a software product undergoes during its lifetime. A software lifecycle model is a descriptive and diagrammatic representation of the software life cycle. A life cycle model represents all the activities required to make a software product transit through its lifecycle phases. It also captures the order in which these activities are to be taken.

4.1). Life Cycle Models

There are various life cycle models to improve the software processes.

☐ WATERFALL MODEL

☐ PROTOTYPE MODEL

☐ ITERATIVE ENHANCEMENT MODEL

☐ EVOLUTIONARY MODEL

☐ SPIRAL MODEL

4.1.1. Waterfall model diagram: - The waterfall model is a sequential design process in which progress is seen as flowing steadily downwards (like a waterfall) through the phases of Conception, Initiation, Analysis, Design, Construction, Testing, Production/Implementation and Maintenance.
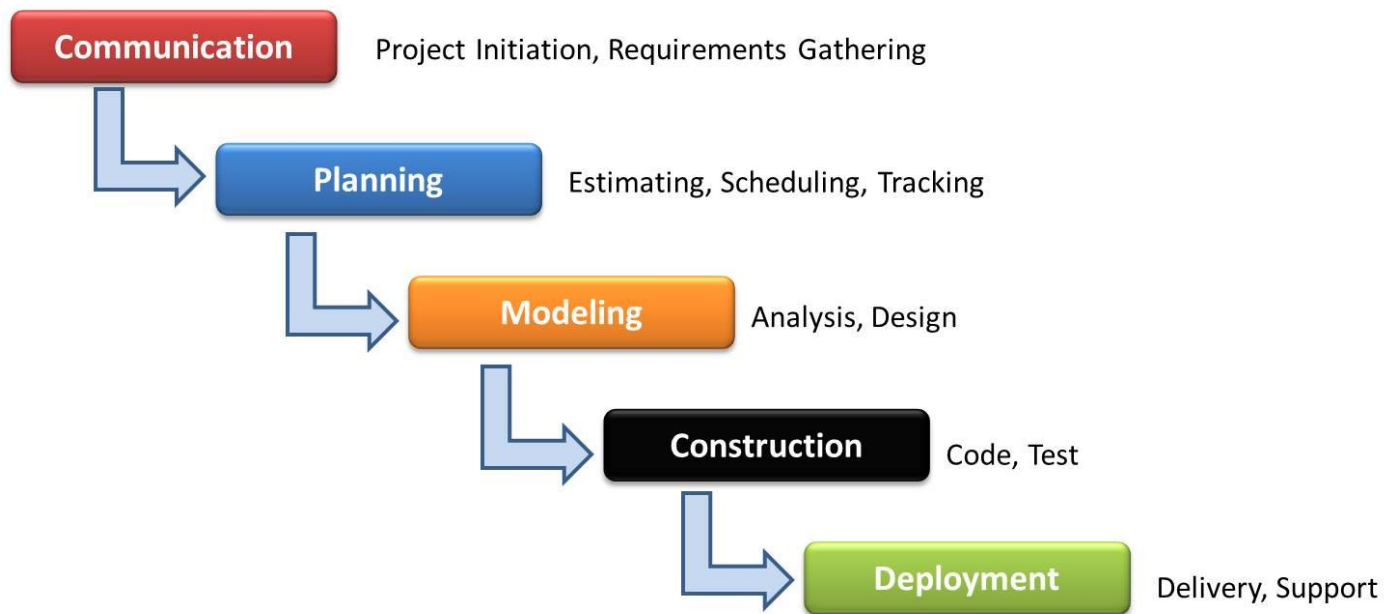
Fig: 4.1 Waterfall model

The Waterfall Model was first Process Model to be introduced. It is very simple to understand and use. In a *Waterfall* model, each phase must be completed before the next phase can begin and there is no overlapping in the phases. *Waterfall* model is the earliest SDLC approach that was used for software development.

In **"The Waterfall"** approach, the whole process of *software development* is divided into separate phases. The outcome of one phase acts as the input for the next phase sequentially. This means that any phase in the development process begins only if the previous phase is complete. The waterfall model is a sequential design process in which progress is seen as flowing steadily downwards (like a waterfall) through the phases of Conception, Initiation, Analysis, Design, Construction, Testing, Production/Implementation and Maintenance. As the Waterfall Model illustrates the software development process in a linear sequential flow; hence it is also referred to as a Linear-Sequential Life Cycle Model**.**

Sequential Phases in Waterfall Model: -

Requirements: The first phase involves understanding what need to be design and what is its function, purpose etc. Here, the specifications of the input and output or the final product are studied and marked**.**

System Design: The requirement specifications from first phase are studied in this phase and system design is prepared. System Design helps in specifying hardware and system requirements and also helps in defining overall system architecture. The software code to be written in the next stage is created now.

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Implementation: With inputs from system design, the system is first developed in small programs called units, which are integrated in the next phase. Each unit is developed and tested for its functionality which is referred to as Unit Testing.

Integration and Testing: All the units developed in the implementation phase are integrated into a system after testing of each unit. The software designed, needs to go through constant software testing to find out if there are any flaw or errors. Testing is done so that the client does not face any problem during the installation of the software.

Deployment of System: Once the functional and non-functional testing is done, the product is deployed in the customer environment or released into the market.

Maintenance: This step occurs after installation, and involves making modifications to the system or an individual component to alter attributes or improve performance. These modifications arise either due to change requests initiated by the customer, or defects uncovered during live use of the system. Client is provided with regular maintenance and support for the developed software.

All these phases are cascaded to each other in which progress is seen as flowing steadily downwards (like a waterfall) through the phases. The next phase is started only after the defined set of goals are achieved for previous phase and it is signed off, so the name "Waterfall Model".

4.1.2 System Analysis:

1.Authorizing and Authenticated user based on username and password.

2.Recording candidate's response to every question.

3.Checking whether the given response is correct or not.

4.Keeping history of test taken by the user.
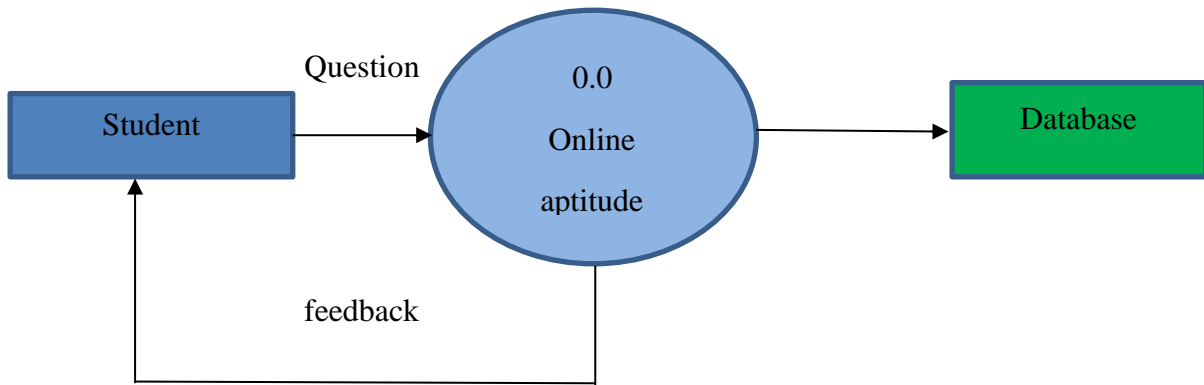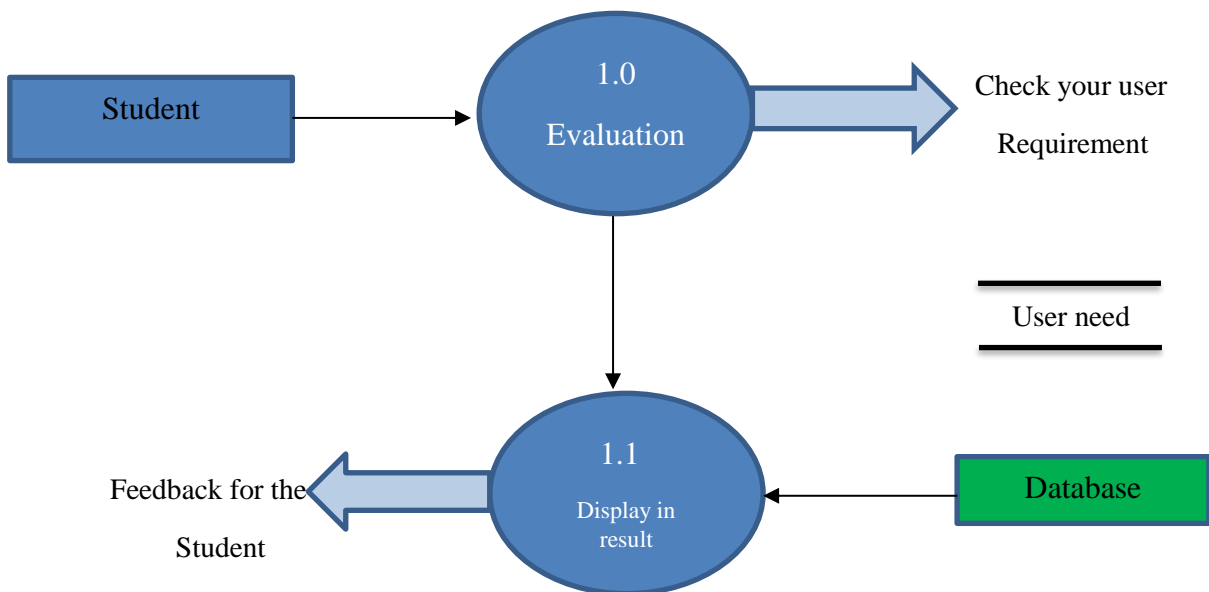
4.1.3) DFD levels of the system
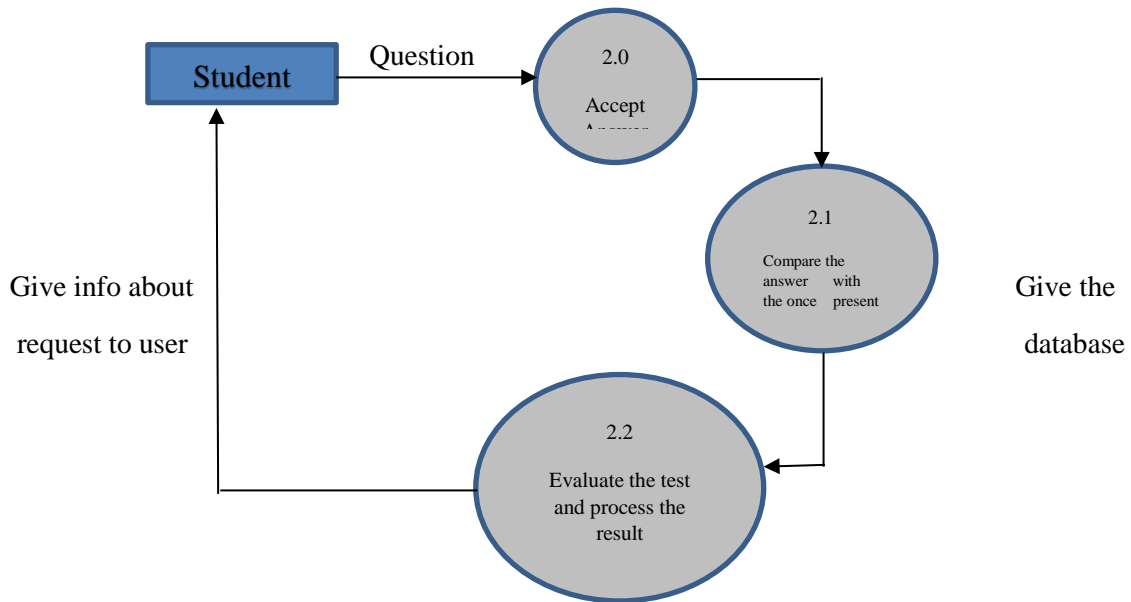

fig:-DED Level 0

Fig:-DFD level 1

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Student

Question

2.0
Accept
Answer

2.1
Compare the
answer   with
the once   present

Give the

database

Give info about

request to user

2.2
Evaluate the test
and process the
result

Fig:-DFD level 2

****

SYSTEM IMPLEMENTION

5.1 IMPLEMENTATION: -

5.1.1 PHP FRAMEWORK: - A PHP Framework is a basic platform that allows us to develop web applications. In other words, it provides structure. By using a PHP Framework, you will end up saving loads of time, stopping the need to produce repetitive code, and you'll be able to build applications rapidly (RAD). Without a PHP Framework in place, it gets much more difficult to produce applications since you'll have to repeatedly code a lot of PHP. You'll also have to execute the connection between your database and whatever application you develop from scratch. Meanwhile, using a PHP Framework makes it easier for you to ensure this connection. There's so many possibilities with PHP Frameworks that it really depends on the developer. If you're an advanced PHP programmer, you're more than likely to use a framework different from one who's a beginner. PHP frameworks help eliminate repetitive coding and systemizes our building process. If and when you're working on an application that can benefit from this building process, then a PHP framework can definitely be used. PHP Frameworks are a powerful tool for an even more powerful programming language which helps you tweak your code in an organized and clean manner. If this is not something you're looking for, then working with a framework is more than likely not for you.

What to Look for When Choosing Your Frameworks?

When you're searching for a PHP Framework it can get a bit confusing with what you need your framework to do, and with what your framework already comes bundled with. Not every PHP Framework offers the same support for databases, communities, and an easy to follow user guide**.** That may be fine if you're looking for something extremely simple. However, if you find a PHP Framework that you're comfortable with, there should be a variety of options and advantages that come along with it.

Database Support

Database support is very important. For example, CodeIgniter supports MySQL, Oracle, and SQLite, while the Kohana framework doesn't support Oracle or SQLite. Depending on which database you prefer to use or choose for your project at hand, you will also need to consider whether your database server supports this database type.

Community Support

Your framework should have a strong community, not just in terms of size but also in activity and helpfulness. Even if it's a small community, as long as you're able to find support, then that's a plus point.

Documentation Support

You should also be weary of frameworks that don't have any documentation and absolutely no user guide. Make sure that your PHP Framework has good documentation that's kept up-to-date, and that the user guide

its relatively easy to follow.

Model View Controller Architecture

Your framework should also use the Model View Controller architecture. If you haven't, take a quick look above at the previous section and see why. Most of the good frameworks you'll find also offer libraries, plug-ins, helpers, and extensions. It's good to find a framework that has at least two of these options.

Everyone has different preferences and needs. What may seem as implementing a framework for speeding up the coding process to one developer, may seem like a waste of time to another. Most of the time this depends on what level of skill you possess; be it advanced or beginner, PHP frameworks have been put into place to save time and reduce the work load. Below you will find 20 of the best PHP Frameworks to use in order to build your web applications. Snoop around, target a few, test, and see which one works best for you.

XAMPP DATABASE: -

XAMPP is a free and open-source cross-platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server, MariaDB database, and interpreters for scripts written in the PHP and Perl languages. Since most actual web server deployments use the same components as XAMPP, it makes transitioning from a local test server to a live server possible. MySQL was replaced with MariaDB on 2015-10-19 and beginning with XAMPP versions 5.5.30 and 5.6.14, effectively altering the meaning of the acronym. While both letters Pare de facto interchangeable, convention used at the Apache Friends website indicates that the first letter P is short for PHP and the latter letter P is short for Perl.

Prerequisites: -

XAMPP requires only one zip, tar, 7z, or exe file to be downloaded and run, and little or no configuration of the various components that make up the web server is required. The Windows' version of XAMPP requires Microsoft Visual C++ 2017 Redistributable.

Features: -

XAMPP is regularly updated to the latest releases of Apache, MariaDB, PHP and Perl. It also come with a number of other modules including OpenSSL, phpMyAdmin, MediaWiki, Joomla, WordPress and more. Self-contained, multiple instances of XAMPP can exist on a single computer, and any given instance can be copied from one computer to another. XAMPP is offered in both a full and a standard version (Smaller version).

Usage: -

Officially, XAMPP's designers intended it for use only as a development tool, to allow website designers and

programmers to test their work on their own computers without any access to the Internet. To make this as easy as possible, many important security features are disabled by default. XAMPP has the ability to serve web pages on the World Wide Web. A special tool is provided to password-protect the most important parts of the package. XAMPP also provides support for creating and manipulating databases in MariaDB and SQLite among others. Once XAMPP is installed, it is possible to treat a localhost like a remote host by connecting using an FTP client. Using a program like FileZilla has many advantages when installing a content management system (CMS) like Joomla or WordPress. It is also possible to connect to localhost via FTP with an HTML editor.

5.1.2 Algorithm: -

Step 1: Start

Step 2: Login into system

Connection Established with database using SqlConnection con = new SqlConnection ();

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If the student has already registered, then sign-in else register.

Step 3: After Login

The student has two options to choose from – HSC or else SSC.

Step 4: After selecting stream, the user proceeds for test

Code for add question: -

```
public class Add_Question :System.Web.UI.Page

{

SqlConnection con=new SqlConnection ();

protected void Page_Load(object sender, EventArgs e)

{

if (Session["Add"] == "Add")

{

Page.ClientScript.RegisterStartupScript(GetType(), "msgtype", "alert('Data Added !!!')", true);

Session["Add"] = "";

}
```

Step 5: After submitting test

Answer selected by student (String1) is compared with the answer stored in database(String2)

If String1= String2 then score=+1 or else score=0.

Step 6: If the student has appeared for an HSC test and has secured minimum for clearing the test then

he will redirect to another test.

Step 7: After processing the results of the test into database the results are displayed to the student

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Step 8: Along with displayed result the system also provide feedback to the user regarding which stream he/she should select.

For example, marks secured in Arts Test is 25/30.

You should go for Arts.

Step 9: End.

Once the user visits to the website or homepage, he/she needs to logins into the system. Login page consists of two things- one is the admin and other is student. If the user is already registered then he can proceed for test, if the user is not registered needs to enter the details and has to login again into the system. Admin Login consist of various functions like adding questions, editing questions, deleting the questions, he can also view registered candidates. Student login consist of applying for test and if needed can also change the password. User/Admin gets logged out once the task is completed and session gets ended.

<p align="center">********</p>

This Chapter is useful to know the system. It gives brief introduction about the system.
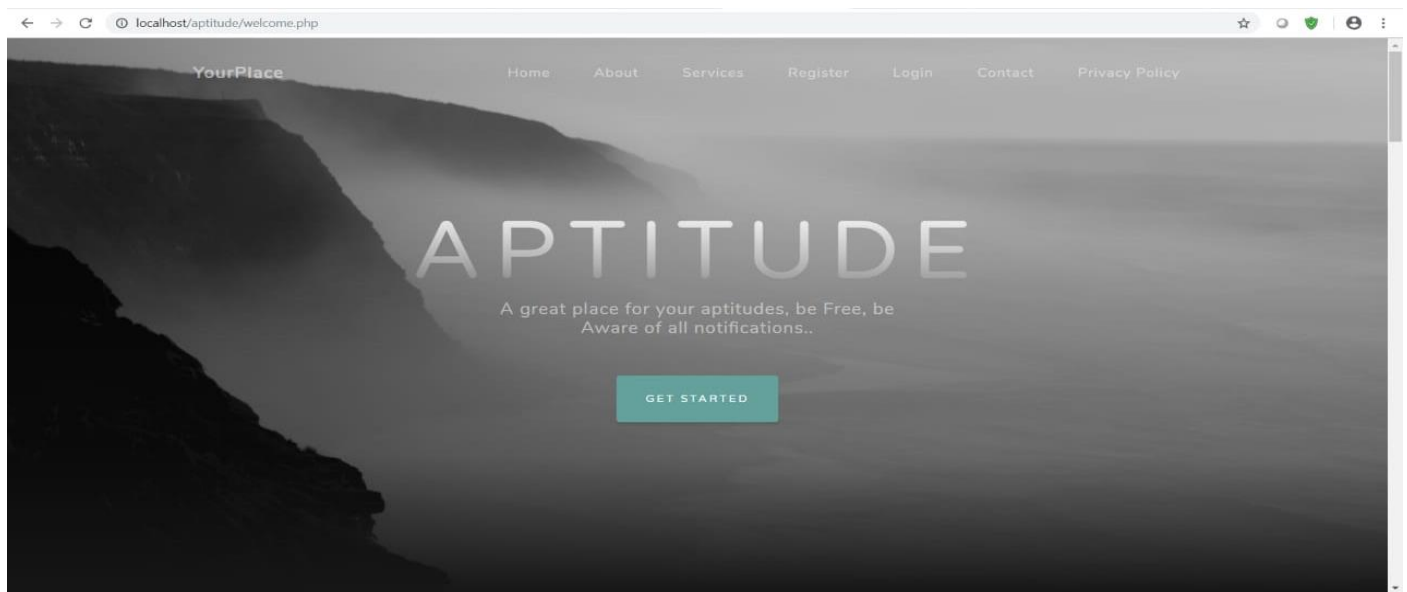

Fig.:-Main GUI

This is the front page of the project. This project is developed with the help of PHP. Figure 5.1 shows the main GUI of the project.
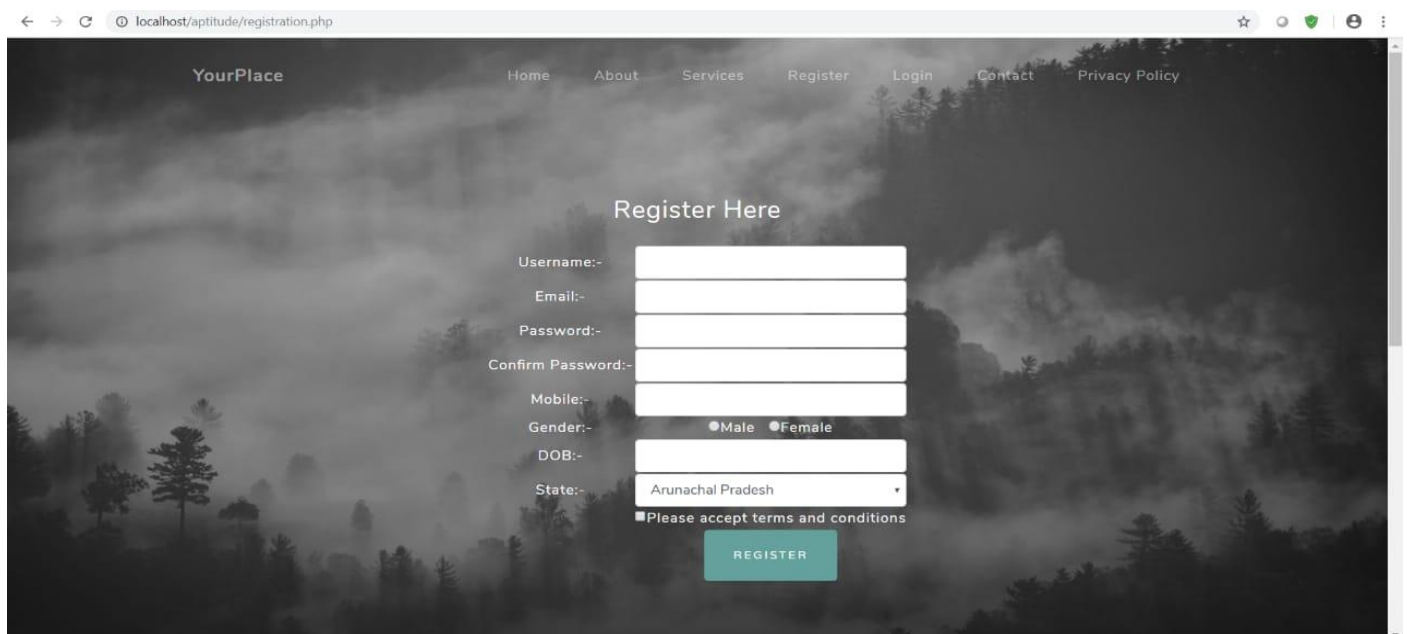

Fig.:-Registration Page

For using over application is necessary to registration of student and this is the page of registration, this page

is required some information about student like name, email, mobile no., gender, date of birth, state and password. This password is required for login time, if registration is successfully complete.
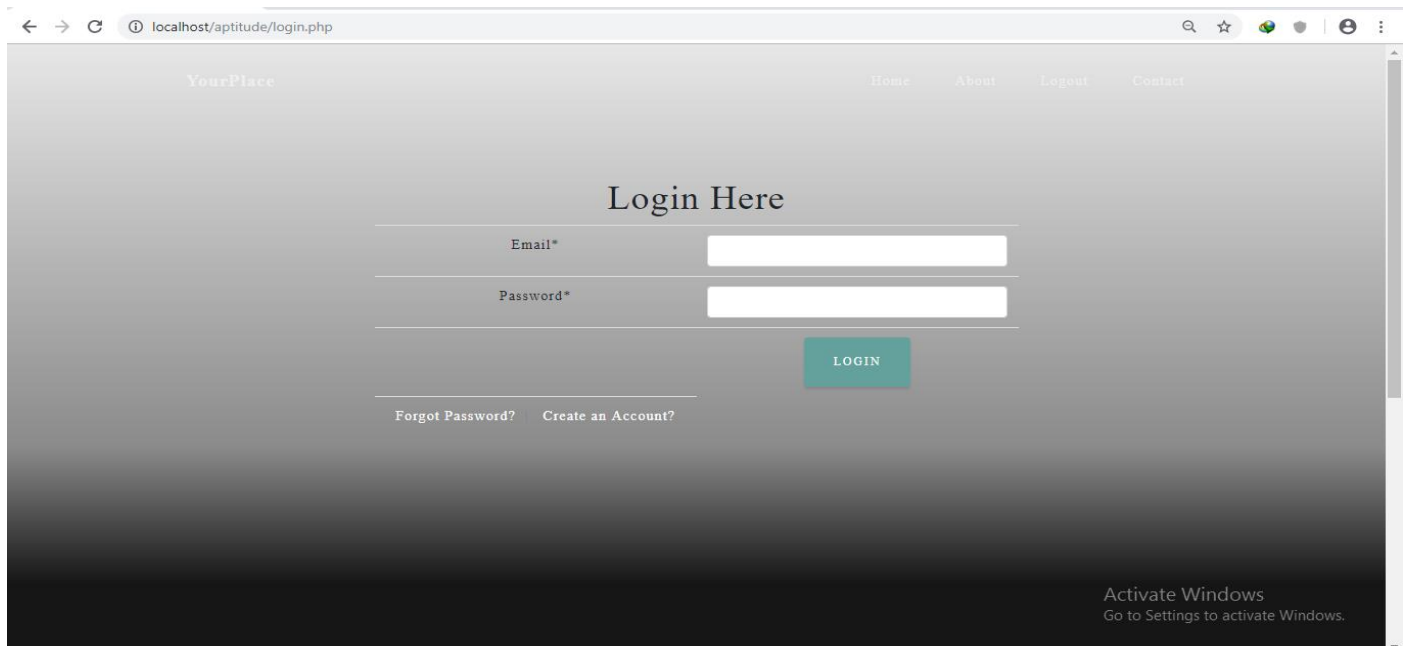

Fig.: Login Page

After the registration page ,Login page is come and it is required registration time given Email and password if user can forgot there password this page is provide the Forgot Password option and using this user can login but if the user can not registrate ,Create an Account option is present for registration.
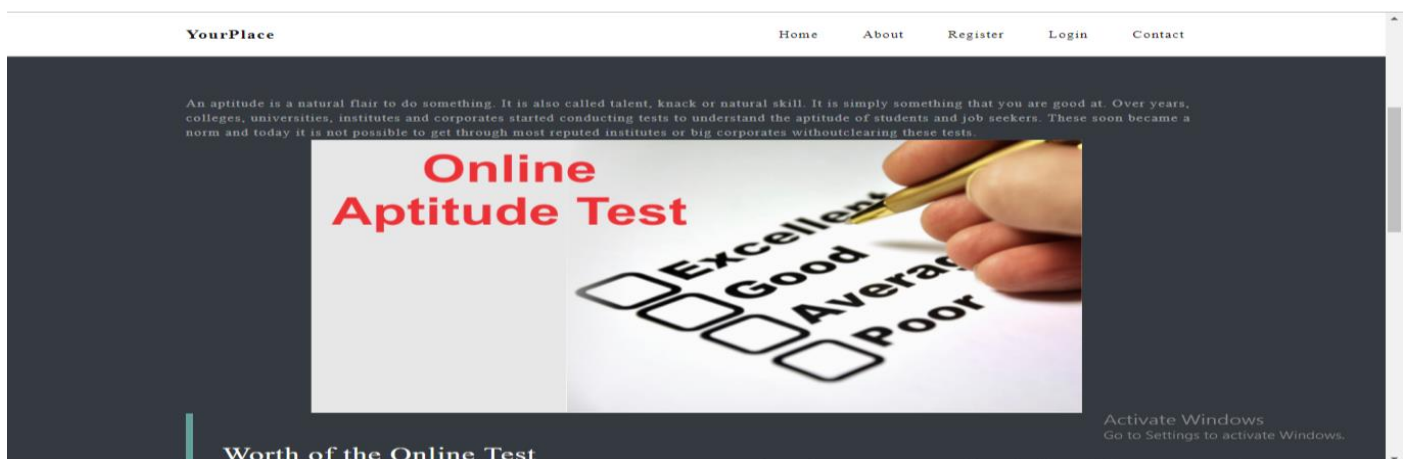

Fig.: About us

This page is give the information about us related to our application, it is defining the aptitude definition and give the process information to user. And this page is help to the user for understanding the process.
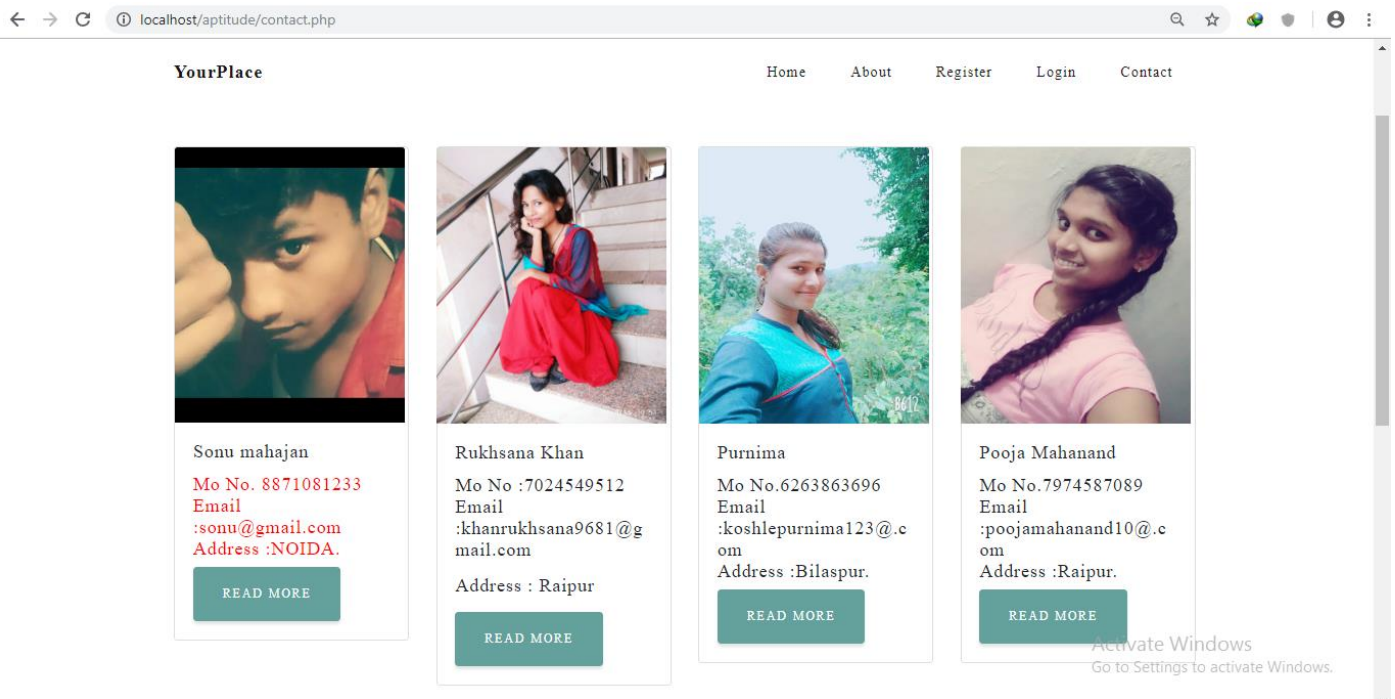
Fig.: Contact Page

If user have any problem related to our application than user can contact with us and this page is provide the contact of our teem, this page provide the way for connecting with us.

****

CONCLUSION

Online aptitude tests will help people especially students to get easy access to quality aptitude questions. .User can choose test. Every question will be evaluated then and there and the user will be provided with the correct option for the wrong answer. The timer used in this proposed system for each questions, makes the students way for attempt the answer in more tangled way. In this process of exam, a fruitful environment and improvement for the quality of student is achieved. In addition, online exam system can give the timely feedback of student learning and teacher teaching situation, which provides reference for the next step of teaching. The main purpose of our project is to develop an application that offers new aspects of learning and improving knowledge in educational area. Most of the available web are entertainment-based, which mostly do not contribute to the academic enhancement of the students. The theme of our quiz is to provide user to practice for subjective tests conducted on national level, so in this app we focus on Computer science field. This quiz is useful for the preparation of any of the computer-related test. This quiz includes three functions: (i) Hint, (ii) Skip, and (iii) Pause, which are collectively named as life lines that help users to answer questions correctly. These functions can be used only once by a user. When user tap/click on "Hint", it will show hints by disabling two extra options from four options, then user can easily select an option from the two. Skip options can be used at of user's choice. This function will simply skip the current question. When user wants some time to answer a question then he/she will use this function to pause the quiz. Resultantly, time clock is stopped for 30 sec and this time is not be added in the total time. We have learned a lot about Android based applications and also about user's behaviour. We have found that the development process is hard and time-consuming, but it can be managed by a team work. We hope that other developers will take advantage from our experience/from our development.

****

FUTURE SCOPE

We are planning to keep managing the project and improving it based on user feedback. Here is our to do list for future

☐ We will add some more categories in our application.

☐ We'll try to make it more user friendly than it is now.

☐ We'll try to improve its quality.

☐ We'll work on another feature in our application to add a module namely "Make Quiz" which is helpful for teachers to make their own quiz for their students.

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