# Self-Learning IQ Test Game

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**Abstract**: — A **self-test of intelligence** is a psychological test that is someone can take to measure one's or own intelligence.

As with other intelligence tests, a self-test of intelligence normally consists of a series of the verbal and non-verbal intellectual tasks and puzzles. These tests usually give the taker instructions on how to complete the tasks or steps and offer a performance score after the test has been completed.

These self-tests can be performed in various ways that are quick, easy, and can be done at home or anywhere. Web sites on the internet, apps for mobile devices, and one or more books are popular choices for taking these tests for intelligence.

There are two methods that one can look at intelligence: either as an intrinsic, an innate and static characteristic of a person or as a characteristic that is acquired which can be influenced by the environment or that can be implement on. These opposing points of view are part of a more general real nature vs. nurture debate that the dates back to Ancient Greeks like Plato and Aristotle. Implicit theory of intelligence can be at the basis of the point of view and decided whether or not the results of a self-test of intelligence are considered definitive or can be improved upon may depend on this.

## 1. Introduction

There are many more examinations which areconducted to know the capability of the candidates or person to store memory in his/her brain. But actually it doesn't matter in real life because many times, study is done only for exam purpose which may be temporary set in brain which may be forget after some time passes so that in this project we are able to calculate the exact percentile intelligence of the person depending with respect to ages. The motivation behind this work is about enhancing the convenient lifestyle of citizen. To implement the app which gives correct IQ which will improve lifestyle of citizen. The purpose of this self is to define the requirements of Privacy Preserving optimal meeting. In detail, this document will provide a general description of our project, including user requirements, product perspective, and over view of requirements, general constraints.

A self-intelligent quotient is very useful for the peoples to choose their higher educational fields & choose their career for better future. Using self-intelligent quotient test user is able to define its area of interest. This test is very user friendly it also gives the answer of questions with description or explanation. So it will be useful to growth of knowledge & self-improvement. This test contains pictorial diagrams, figures, charts & bars so they were not get bored while giving test & they get enjoyed & happier while giving test. Their interest is increased for solving the quiz in the test. Easy registration process provide user friendly environment. According to different users and their ages different level of questionnaire is available. At the end of test users get their IQ score or result with percentage.

## Objectives:

1. To get more accuracy in IQ scores.
2. To reduce time to get result.
3. To reduce chances of cheating.
4. Widespread availability.
5. Easy implementation.
6. To reduce environmental footprint of such tests.
7. To reduce time taken to test.

## 2. Motivation

The main aim of our system is to implement the app which gives correct IQ or score of user to improve or area of interest while choosing career. When people use IQ tests in social science research, where thousands of kids are taking IQ tests where it doesn't matter to them what they get, for that our project motivates the effect of scores. IQ scores are absolutely predictive of long-term outcomes. But what our study questions is whether that's *entirely* because smarter people do better in life than other people so to indicate or determine the mental power of humans our project is useful.

## 3. LiteratureSurvey

In the market due to its advantage in performance an increased emphasis on SIP (System in Package) can be seen, form factor, cost and time to market. The yield of individual component SIP is dependent. To avoid the high costs of a defect in a SIP, it is efficient to carry out full test coverage in wafer level to achieve "known-good-dies".

To increase the quality and measurement, accuracy of intelligent quotient test is very important. I & Q signal ranges are accurately and separately optimized. To define the impact of intelligent quotient different match & ways to collaborate out the difference because of instruments & test format.

The given Deep intelligent quotient system is produced of 3 different modules. 1) A deep auto encoder - which is used and trained in the order in such a way that it is based representation of different pictures used in intelligent quotients.

2) A group of shallow multilayer perceptron applied for find or detect the different functionalities or features.

3) Result module represents or defines percentage obtained.

It has been a very long discussion on traditional psychological test as benchmark of a respective intelligence quotient.

It is seen that in recent study of neuro-psychological searches are done to match IQ with particular's brain capacity pattern.3 intelligent quotient levels are differentiates based on intelligence score from Raven's progressive matrices

as the control group. This paper focuses on alpha, beta and theta sub bands.This paper focuses on comparison between brains capacity and the intelligence quotient. Electroencephalogram from both the apps required to process or manipulate to avoid or neglect undisturbed frequencies. Then the Electroencephalogram signal may follow statistics which may consists of correlation test and scattered plot. Finally the outcome obtained is comparison between brain capacity and intelligence quotient app with bold and significant of Pearson relation.

## 4. ProblemStatement

To build an android application to determine the intelligent quotient (IQ).IQ stands for Intelligence Quotient.IQ is a measure of relative intelligence determined by the standardized test. Most of the children goes to the same level of complexity at about the same time, but some children are slower or faster achieving those several levels.Intelligence testing evolved first in France at the beginning of the $20^{th}$ century.In 1904, the French Ministry of Education asked phycologist Alfred Benetto implement a method that would determine which candidate didn't grasp effectively from general or regular classroom instructions.The aim was to differentiate candidates who were intellectually or mentally normal and their inferiors.The latter group would be put in special school where they would receive more individual attention.

## 5. Proposed Architecturediagram

This is the architecture which shows overall description of our system. We need at least one android device and a dedicated server to host the applications. Dedicated Server is used to store the data. Dedicated server must have MySQL installed in it to handle the stored database parts. We are using dedicated server for good performance in android development we are designing the database using MySQL. When the user sends credential to the authorities they also send some information which gives the description. The data send will be encrypted or private data so that only sender and receiver will understand this data. Here we are using Encryption-Decryption algorithm. For developing the web application for this system the developers are going to use the MySQL as a database so that the user can also send the videos regarding to particular disaster. Dedicated server should have MySQL installed in it

to handle the database part. For good performance we are using dedicated server in android development we are designing the database using SQLite.

This is a pictorial architecture which shows overall description of our system. We need at least one android mobile device or computer and a dedicated server to host the application. Dedicated Server is used to store the data or information. Dedicated server should have MySQL installed in it to handle the database part. For good performance we are using dedicated server in android development we are designing the database using SQLite. When the user sends image to the authorities they also send some essential data which gives description about the particular disaster. The data send will be encrypted data so that only sender and receiver will understand this data. Here we are using Encryption Decryption algorithm.
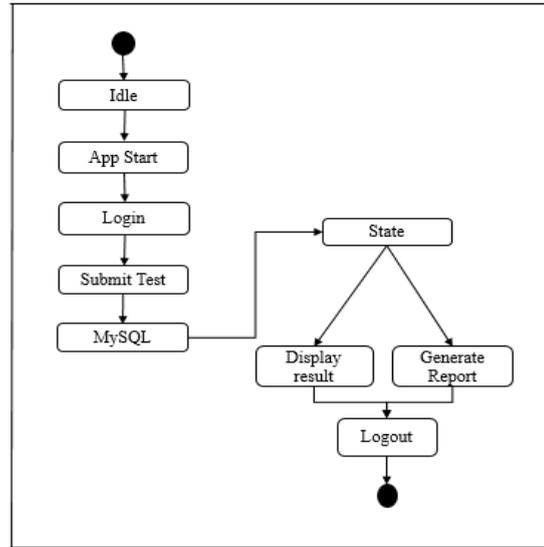


Figure 1: System Architecture

## 6. SystemFlow:

User perform registration if it is not already a registered user if it is already register user then he or she able to login to the system by using login id and password to send the request to theadmin.

Adminreceivestherequest.Itsendthatrequestor forward therequest toauthority.Authority manually update the relevant information to the database if it is static allocation. Otherwise it's dynamically searching whether parking slot is available or not according to these dynamically allocated the slot and price.

Databases store all information from all the tests with respect to the candidate or user.



Figure 2: State Diagram

## Algorithm:

1. Registration for the user
2. Login for the user
3. Give test by user.
4. Generate report with IQ
5. Logout by the user.

## Applications:

1. In school to find IQ of students.
2. To choose educational stream according to their area of interest.
3. Increase awareness among students and peoples about IQ test games.
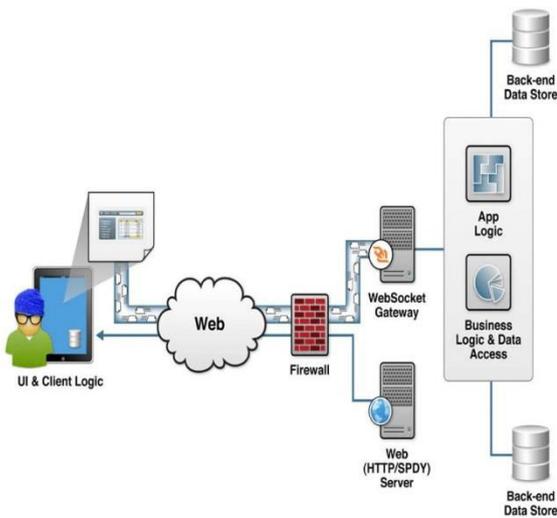4. User friendly environment.

## 7. Conclusion

In the system user can give test for check theirIQ (Intelligent Quotient) according to their ages. System generates questions for test as per different ages. Then user submits the test after this System generates results and send it to client's machineAs soon as he clicks on submit. This self-learningIQ Test game is useful to increase our thinkingProcess and also knowledge enhancement usingtrying different questionnaire. Different test levels are there, so user can start from low thinking questions to higher thinking step by step.

## 8. Acknowledgement

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