

# Online Learning Cloud Based Android Application

<sup>1</sup>Vivek Warjurkar,<sup>2</sup>Abhijeet Talmale,<sup>3</sup>Vivek Hajare,<sup>4</sup>Sahil Umredkar,<sup>5</sup>Rohit Gomkar

<sup>1</sup>Student,<sup>2</sup>Student,<sup>3</sup>Student,<sup>4</sup>Student,<sup>5</sup>Student

Information Technology, KDK college of Engineering ,Nagpur.

*Abstract - This paper presented here is about the development and design of Online learning Cloud Based Android Application using Java. This will help students in Information Technology & Computer Technology and the students who are interested in learning the latest technologies and Framework. Our Main focus is to help students finding new ways of learning those technologies using this app. This could become the new and effective way of one tap learning. Students can learn and code there itself & test themselves by their own.*

*Index Terms - Android Application, Framework, Java Platform, Firebase.*

## I. INTRODUCTION

It's an Online Learning Cloud Based Application. This App will help students to learn Basic as well as Modern technologies , with the help of various online courses and videos that are going to be integrated in this app .It has the feature of user login and sign up whose data is stored in the firebase .

After Learning that particular technology or course, students will be able to attempt practice test. Record of a student will also be maintained Regularly, And various reminders will be provided to the students with the help of bulk sms .This application is login based application in which student or user must have to sign in. There are variety of courses integrated in it.

## II. PROBLEM STATEMENT

This application provides dynamic learning and practicing on the go. Each and every course contain different kinds of tests regarding the topic which is learned by the user.

## III. LITERATURE REVIEW

Learning through mobile is very easy because this can be done easily and side by side we can also multitask the other applications. The application of mobile learning can be used through the android operating system that is chosen in consideration to that android has been dominating the Smart phone market and is a free operating system which is open source operating system that is easily developed. To ease the users to access M-earning, JQuery mobile framework is applied as its display, in addition to its attractive features, is able to adjust the screen from mobile equipment [3].

This application will be implemented for two types of user: Admin side and user side .Each user have to login first for the courses if the user is not able to login then they must be the new user for than they have to sign up in the application.[3].Application has many courses and technologies regarding computer field some courses are of programming languages and some are from web technologies.

Courses like C, C++, JAVA, ANDROID, HTML, CSS, JAVASCRIPT, JQUERY, R LAUNGUAGE and many latest technologies. For the betterment of the students we have integrated YouTube videos so that user can easily get understand about the actual concept. After each and every course completion their will be both MCQ and programming test for respective courses to test themselves. [4].

The record of the users and the test which they have performed will be maintained on the firebase. From the login process to the test records everything will be reflected in the firebase. One more additional feature in this application is that whenever the user having problem regarding course or application they can directly chat with our expertise or they mail us or they can even can call us for their services.

Decoder which is integrated on it will help user to learn easy on the go. Decoder is the kind of compiler which helps to run different kinds of programs and codes on it. This compiles the code inputted and checks the code line by line if there are some errors it throws the error and if the code is fine, the code get successfully executed.

IV. ARCHITECTURE

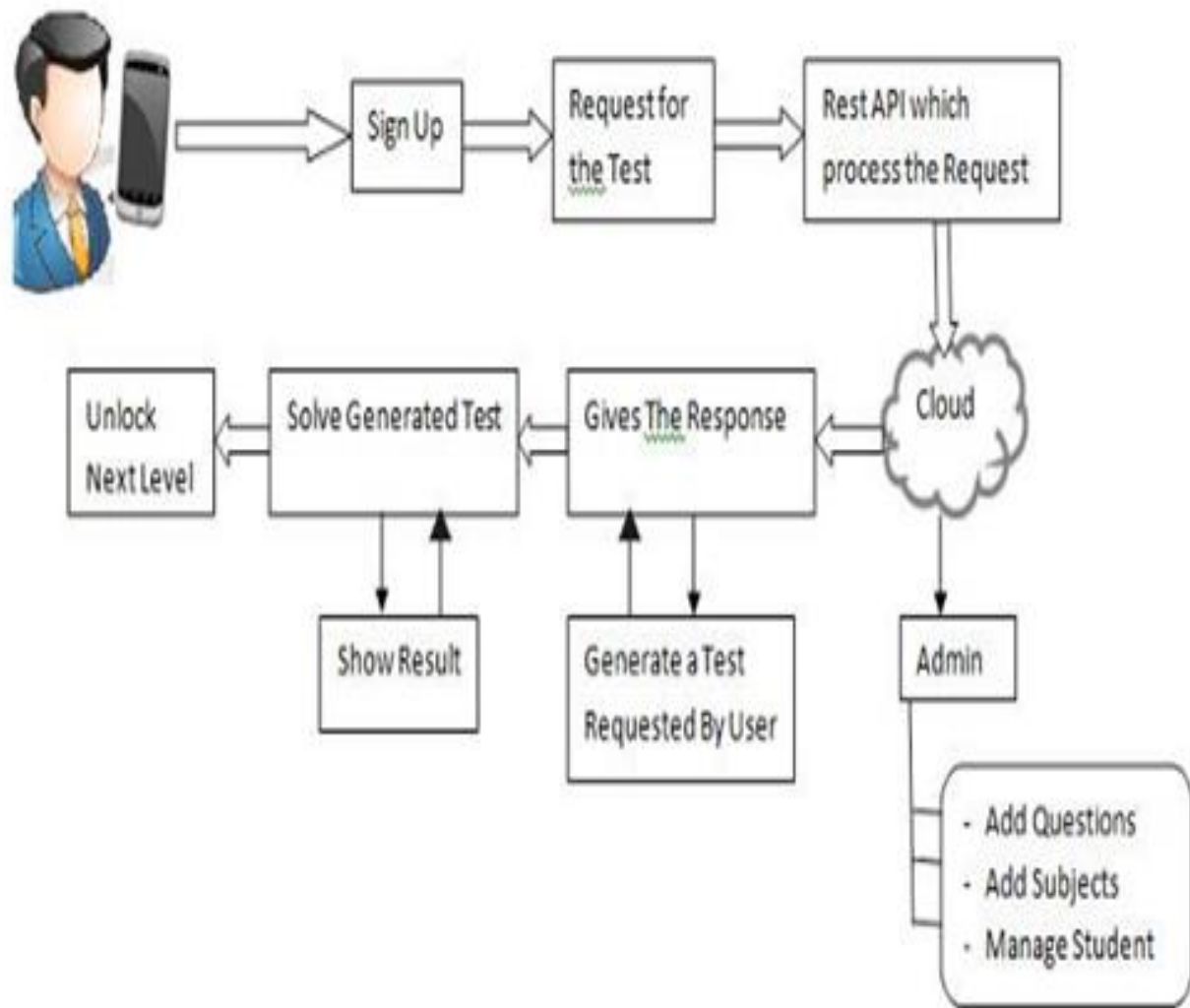


FIG 1:- SYSTEM ARCHITECTURE

V. DESIGN IMPLEMENTATION

FOLOOWING FIGURES SHOWS SOME LIVE SCREENSHOTS

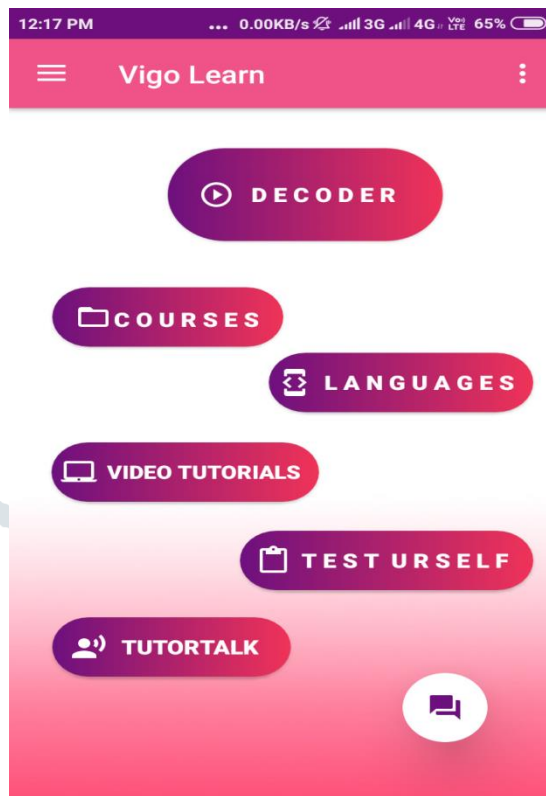


FIG2:- APPLICATION DASHBOARD

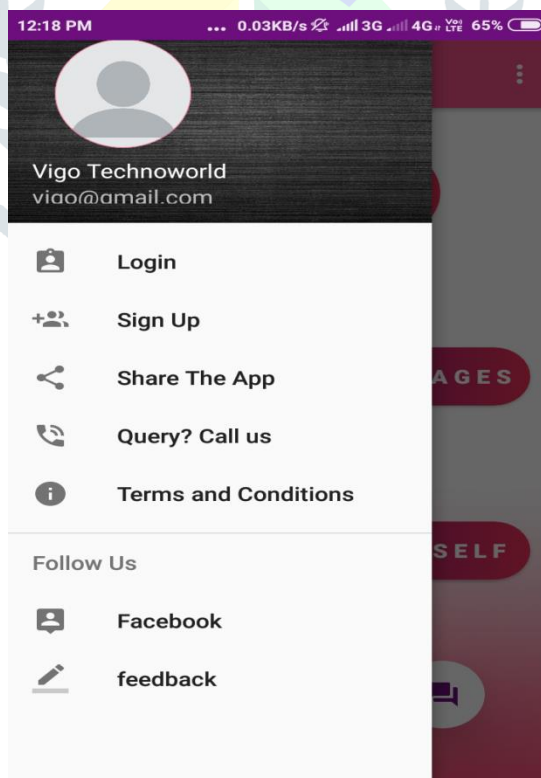


FIG3:-USER LOGIN AND SIGNUP

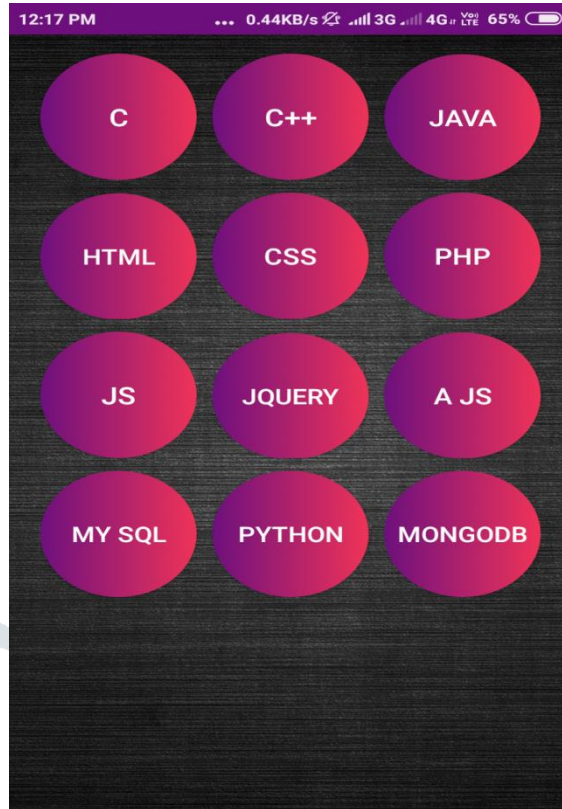


FIG4:- COURCES AND TECHNOLOGIES

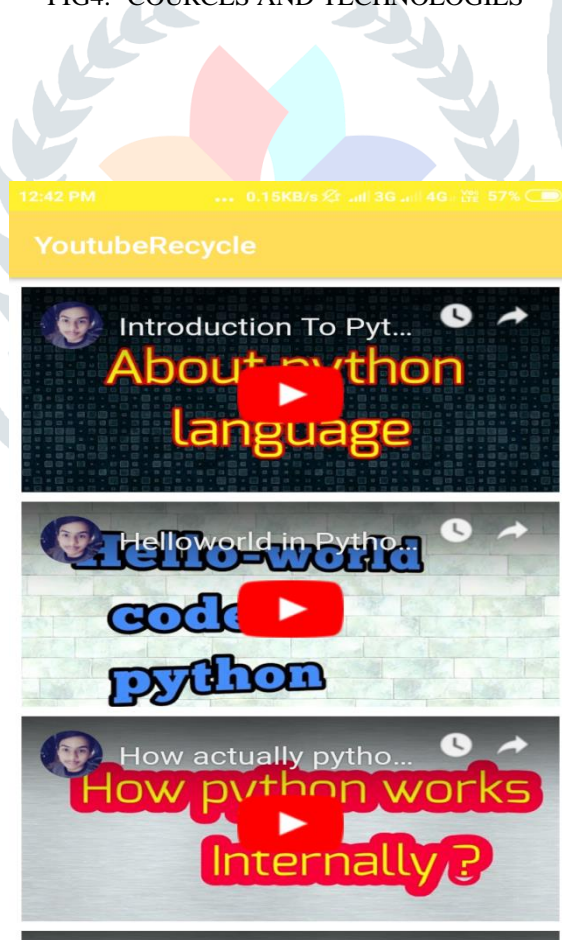


FIG5:-INTEGRATED YOUTUBE VIDEOS

## VI. CONCLUSION

The main objective of this smart application is to provide free technical education to the students on the go. Anytime anywhere students can access this application they just need internet, just plug and play. The main and highlighted feature of this application is user can learn the course and practice in the app itself with the help of decoder.

### REFERENCES

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