



**GLA**  
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## **SYNOPSIS**

**ON**

### **Multipurpose Android Application**

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## **INTRODUCTION**

Multipurpose Project is an Android based Application, which provides multiple functionalities which are in use in our day-to-day life. This application has a beautiful layout with Sign-in and Sign-up pages. This application is linked with Firebase authentication and with real-time database in order to store user data.

Multipurpose application contains multiple applications in it along with that we can link some machine learning based application in it like face detection, image classification and many more.

## **EXISTING SYSTEM**

The existing system on android application in today's market is doing pretty good job. But there are some short-comings. For example, right now users are dealing with multiple applications in their mobile phone, which sometime become very difficult as per user experience and it consumes lot of mobile space, get crash. Sometime mobile also hangs.

In order to manage the mobile storage we can use these type of applications, right now we can see machine learning used on web but now we can link it with android too.

## **USE OF PROJECT**

This is a multipurpose application, which provides users easy access to multiple functionalities by installing one application. We can add more functionalities in it and can update it. People with many applications may get confuse by installing multiple application, so it also helps in reducing the complexities.

It will be pretty good if we can find multiple functionalities by just installing one application.

## **FEASIBILITY OF THE PROJECT**

- **Success:**
  - 1) Quick access to multiple functionalities.
  - 2) Great User Interface (UI) experience
- **Economic Feasibility:**

The Android OS has the highest market share worldwide on mobile devices, it held more than 70% of the market.

## **FUNCTIONAL SPECIFICATIONS**

This android application has a beautiful User Interface (UI).

It contains:

- Sign-In Activity
- Sign-Up Activity
- Welcome Activity, that redirects you to Sign-in and Sign-up page.
- A Splash-screen with animation.
- Audio on successful login.
- Audio for unsuccessful login.
- Loading animation.
- On successful sign-up the user details (or data) will be stored in firebase real-time database.
- It contains multiple functionalities like Calculator, Audio Player, video player, Bluetooth and many more.

## **SOFTWARE SPECIFICATIONS**

- **Technology Implemented**

- Java
- XML

- **Software used**

- Android Studio
- Lottie files animations.

- **Database**

- Google Firebase.

## **HARDWARE SPECIFICATIONS**

- **Operating System & Processor**

Minimum requirements: Android 4.2, 4.4.2, 4.4.4

Minimum requirement: Intel Atom Processor Z2520 1.2GHz

- **Ram**

Minimum of 512MB, 2GB is recommended.

- **Hard Disk**

2GB available hard-disk space for installation

## **FUTURE SCOPE**

As users are dealing with multiple applications, because of which they sometime face difficulty and confusion related to their mobile storage, which leaves bad user experience.

In future, this project or application can be helpful in terms of storage management and we can introduce our users to some trending technology like Machine Learning by adding multiple functionalities based on that technology, in order to have a good user experience.

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