MINI PROJECT-II

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Glavation - GLA Lavation(Laundry)

SYNOPSIS

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Abstract

Glavation is an android based application which is brought to ease the hectic and head hammering task of GLA.

Using the Android and Google Firebase to easily manage the application with great and user friendly user interface.

User have to login through their college's Gmail id to register to the database in order to use the application.

User can keep track of their belongings which cloth's they have given to the washer man, digitally.

User can pay the amount of the service within the application.

<u>MOTIVATION</u>

This project has a very vast scope in future and motivates every individual. Project can be updated in near future as and when requirement for the same arises, as it is very flexible in terms of expansion.

Literature review

Pros	Cons
Less manual labour.	More human error while coding.
Promotes digital India.	Backup data can be easily generated.
Records are maintained properly.	Data redundancy

Objectives

The objective of this android application to reduce manual labour and make every individual digitally independent. In this we have used Android and Google Firebase to easily manage the application with great and user friendly user interface. A person will login through their college Gmail ID to register for the application. User can keep the record of their belongings and can easily pay digitally through the app for the laundry service.

Methodology/ Planning of work

Project is completed in the following modules.

- **Goal Identification:** What and which type of factors should be involved in resolving the issues.

- **Data Gathering:** Data gathering is collecting of the req. data used in project.

- **Training***:* The Training phase is the core part of the project to take shape.

- **Testing***:* User Experience must be good in order to accomplish the goal with least or no faults or bugs.

- **Deployment***:* Majorly distribution of the project plays an important role.

Facilities required for proposed work

Hardware Requirements:

- **For Development***:* A personal computer for developing the project with a minimum i5 core processor or AMD's Ryzen processor would be fine and 8 GB of RAM.

- **For testing purpose:** Smart phones built on Android OS or Virtual Device like Android Emulator on IDE itself, **JUnit** is a **unit testing framework for the Java programming language**.

Software Requirements*:*

An Integrated Development Environment (IDE) i.e., Android Studio to develop the project, Java Development kit (Jdk13),Android SDK with minimum 21 of API level , Firebase ML Kit to incorporate the Machine learning.

Bibliography/References

https://www.kaggle.com/dataturks/face-detection-in-image.