

# Wardrobe Assistant Mobile App

Prepared by Genius Web Solution

## 1. Introduction

The Wardrobe Assistant App is a Flutter-based mobile application that helps users organize their clothes digitally and receive daily outfit suggestions to avoid repetition. Users can upload pictures of their clothes, categorize them, and get notified each morning with a personalized suggestion.

## 2. Key Features

- User registration with mobile number and OTP verification.
- Upload clothes with images and details (type, color, occasion, season).
- AI/algorithm-driven daily outfit suggestion to avoid repetition.
- Morning notification with 'What to Wear Today' alert.
- Cloud storage for images and data.
- Simple and user-friendly interface.
- Cross-platform app (Android & iOS) using Flutter.

## 3. Technology Stack

- Frontend: Flutter (Dart).
- Backend: Firebase Authentication, Firestore Database, Firebase Storage.
- Notifications: Firebase Cloud Messaging (FCM).
- Deployment: Google Cloud / Firebase Hosting.

## 4. Estimated Cost (for up to 5,000 users)

| Service                  | Description                                 | Estimated Monthly Cost (INR) |
|--------------------------|---|------------------------------|
| Firebase Authentication  | OTP-based login (5K users free tier)        | ■0                           |
| Firestore Database       | App data storage (clothes, users)           | ■1,500                       |
| Firebase Storage         | Images of clothes (up to 50GB)              | ■2,500                       |
| Cloud Messaging (FCM)    | Daily notification                          | ■0                           |
| Google Cloud Overhead    | Scalability & bandwidth                     | ■2,000                       |
| Development & Deployment | App design, development, Google Play upload | ■40,000 (one-time)           |

\*\*Total Initial One-Time Cost: ■40,000\*\*

\*\*Monthly Running Cost (approx.): ■6,000\*\*

## 5. Conclusion

The Wardrobe Assistant App is a cost-effective and innovative solution to help users manage their outfits efficiently. By leveraging Firebase services, the app ensures scalability, security, and low maintenance costs. With an estimated one-time development cost of ■40,000 and a monthly running cost of around ■6,000, this app can serve up to

5,000 users smoothly.