

# Event Companion App with Livestream & Digital Services

## ABSTRACT

This project proposes a mobile application designed to enhance participation in wedding and traditional events. It enables remote guests to join through private livestreaming, send digital gifts, interact with organizers, and verify invitations securely.

## PROBLEM STATEMENT

Guests who cannot attend events physically have limited ways to participate. Organizers also lack a centralized platform for livestreaming, guest management, or receiving digital gifts. This project bridges these gaps.

## OBJECTIVES

- Provide a secure private livestream for remote guests.
- Enable digital gift sending via integrated payment gateways.
- Implement user verification for event access.
- Support vendor and partner integrations.
- Build a scalable backend for multi-event usage.

## SYSTEM ARCHITECTURE

The architecture consists of:

1. Mobile App – Livestream, gifting, verification.
2. Admin Dashboard – Event analytics, guest control.
3. Backend API – Authentication, payments, streaming systems.

## MODULES

- User Login & Verification
- Livestream Module
- Digital Gift Sending System
- Vendor Integration
- Payment Gateway Module
- Admin Event Panel

## TECH STACK

- Frontend: Flutter / React Native
- Backend: Node.js / Django
- Database: PostgreSQL / MongoDB
- Streaming: HLS / RTMP
- Cloud: AWS / Firebase

## **FUTURE SCOPE**

- Expand to full event marketplace
- AI-based matchmaking suggestions
- AR-based virtual event attendance
- Smart recommendation system
- Multi-language support