

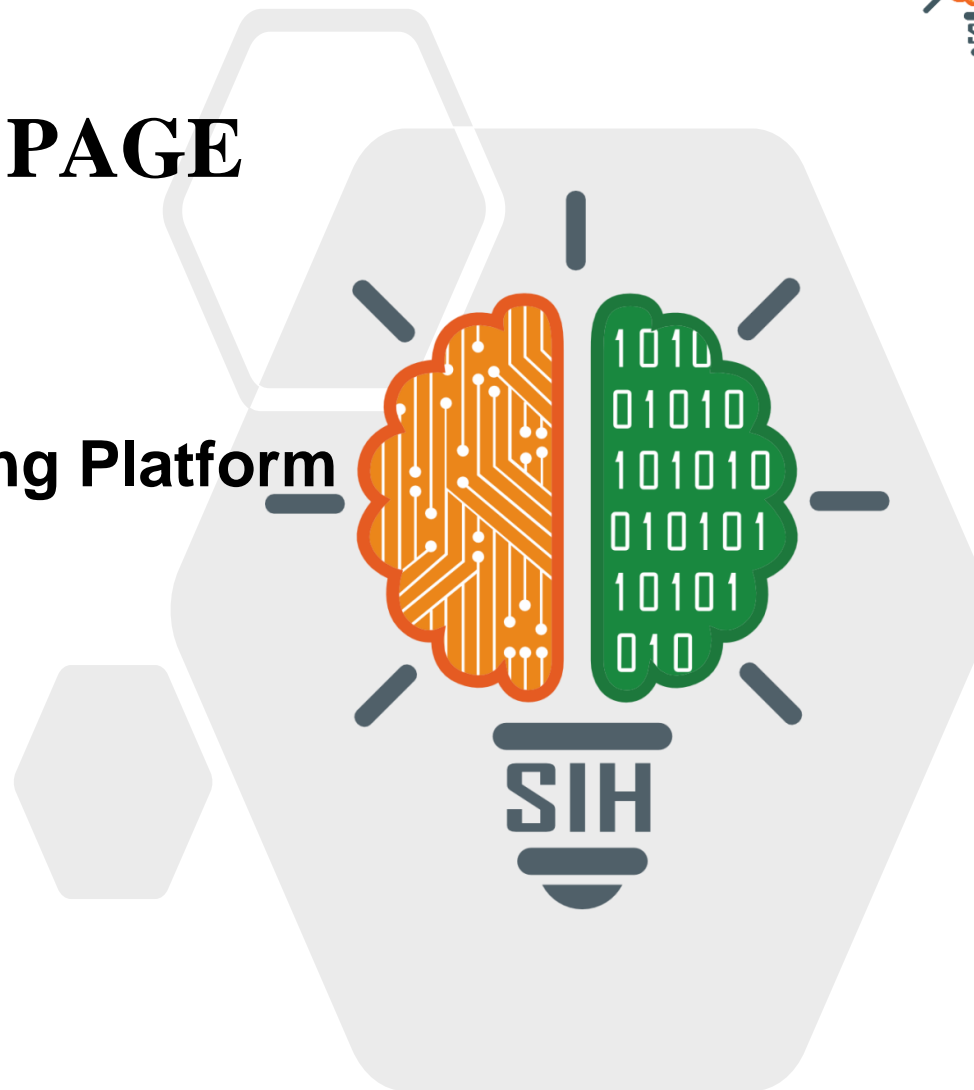
# SMART INDIA HACKATHON 2024



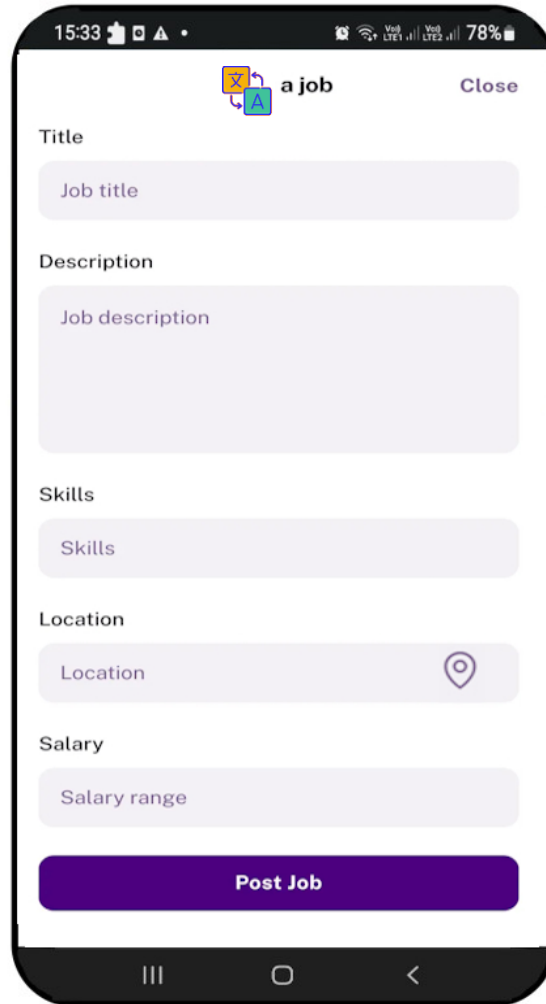
SMART INDIA  
HACKATHON  
2024

## TITLE PAGE

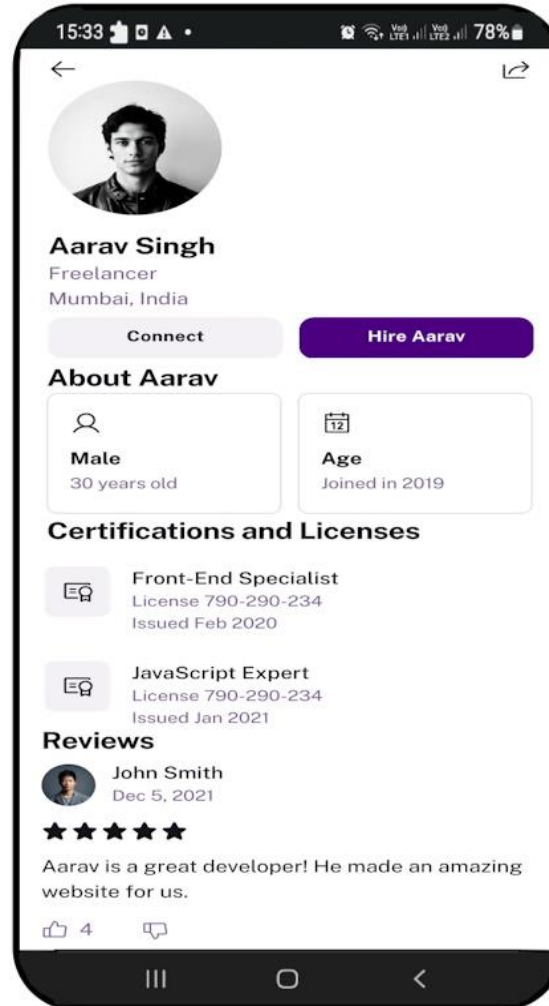
- **Problem Statement ID – 1629**
- **Problem Statement Title- Freelancing Platform**
- **Theme- Smart Education**
- **PS Category- Software**
- **Team ID - 17443**
- **Team Name - Shramik**



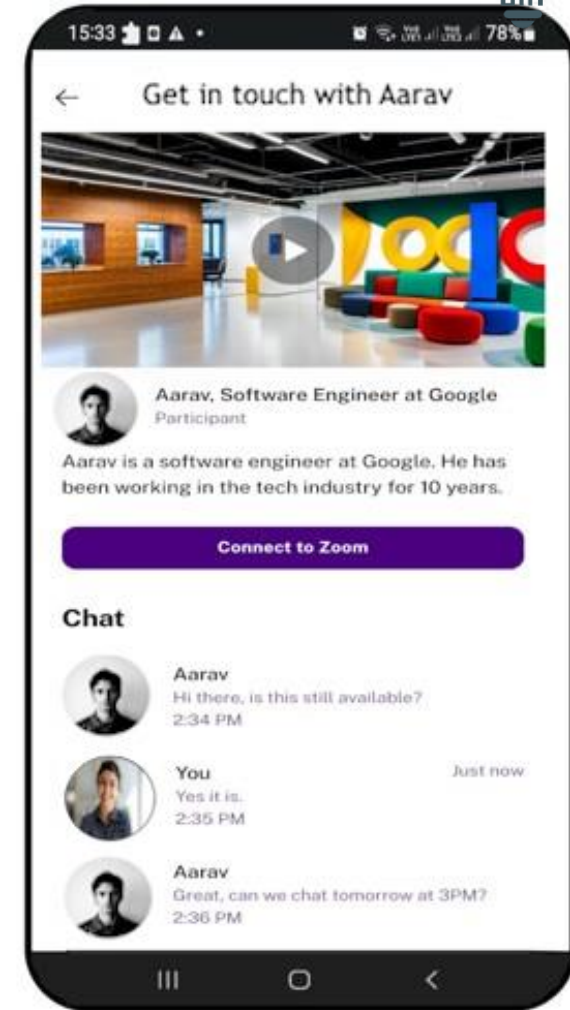
# Proposed Solution – Shramik app



Posting Job details including its location in several regional languages



Freelancer profile showing verified certification and past reviews



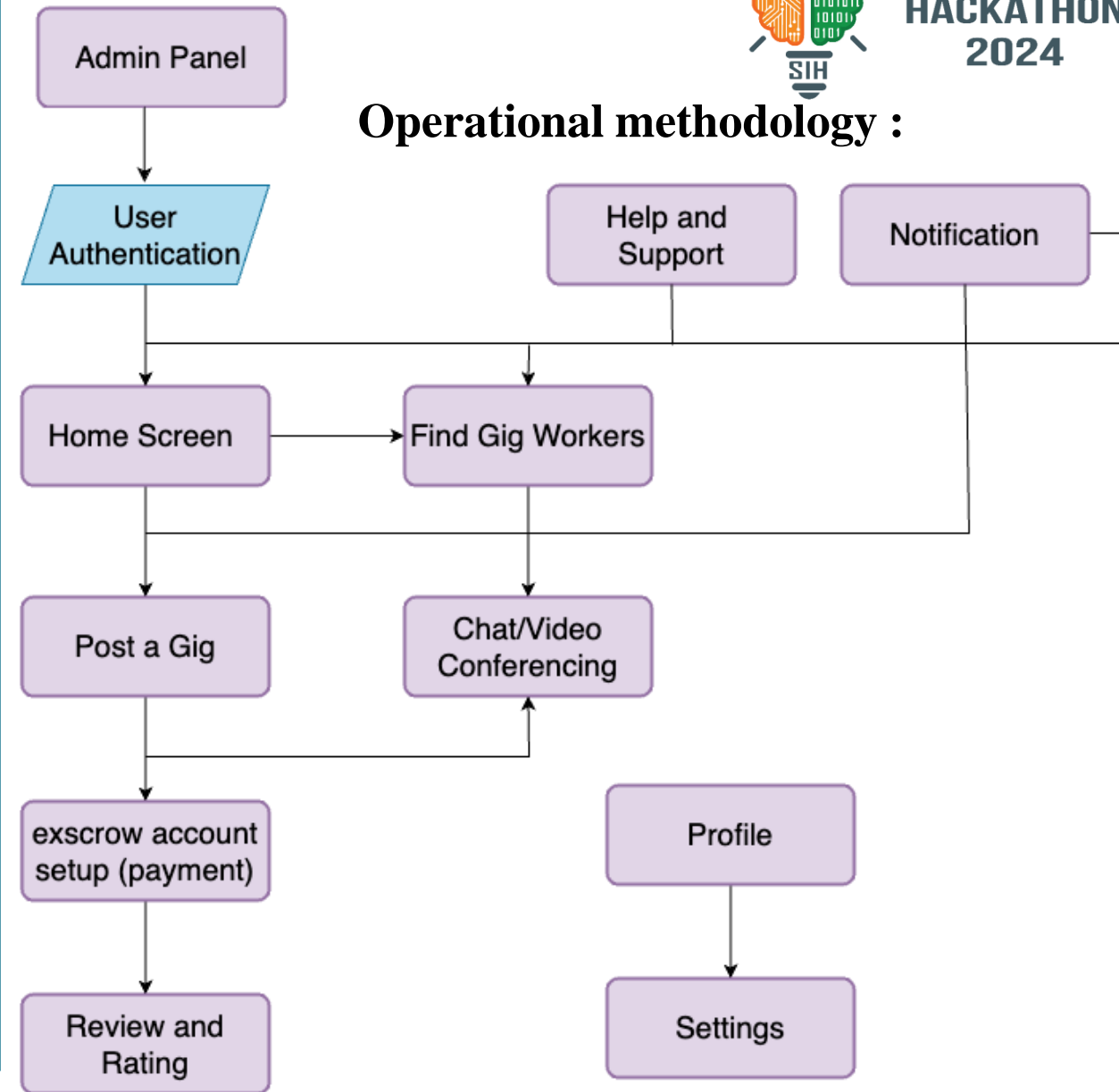
Chat or Video Conference feature for connecting workers and employers

User Interface  
designed at  
current stage of  
development

## Technologies to be Used:

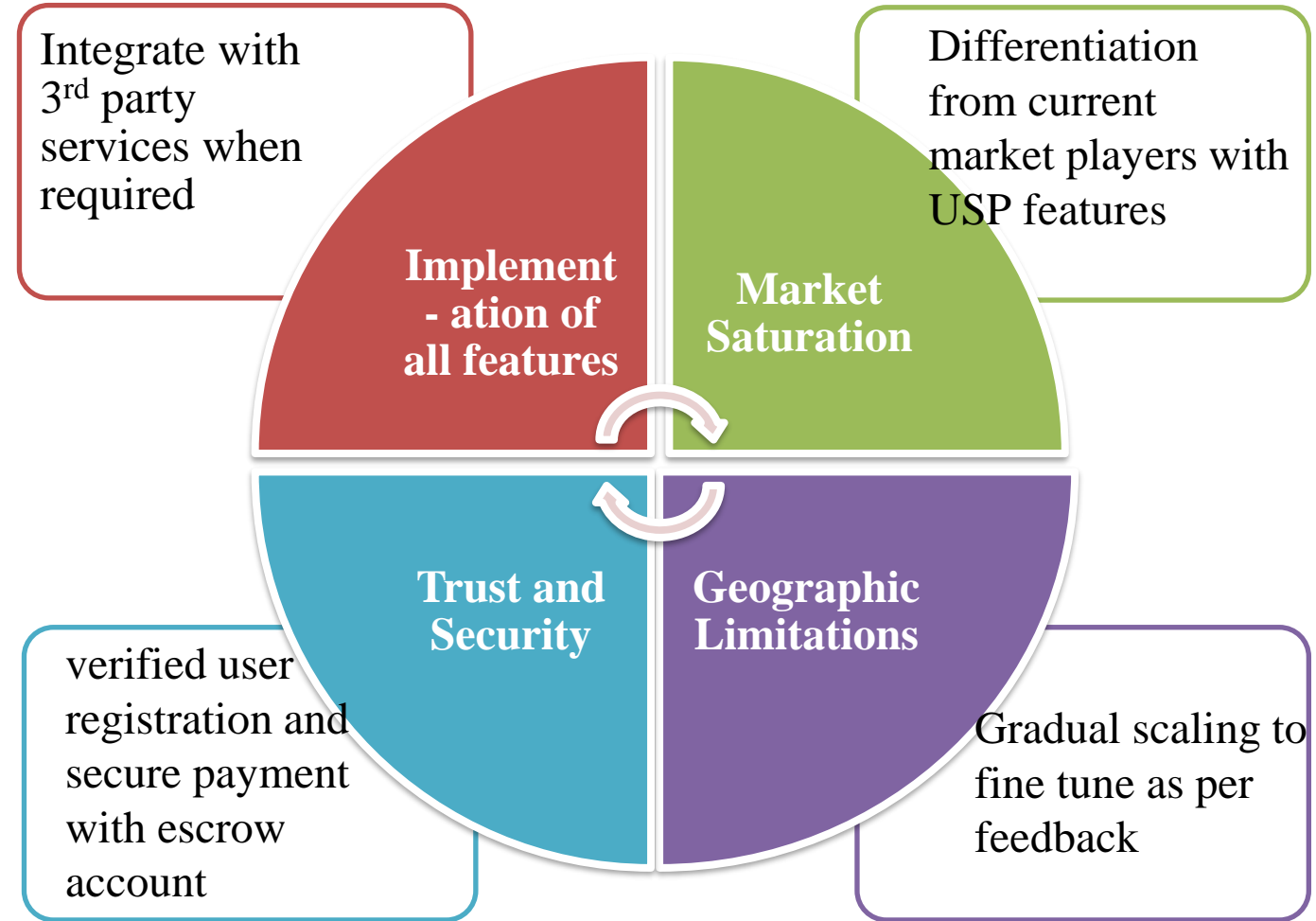
- **Frontend** - XML (using material 3 Design) in Android Studio platform
- **Backend** – Kotlin
- **Database** - Firebase (real-time DB, fire-store DB, JWT O2auth)
- **Document Verification** - TensorFlow Coordinating with Govt. and Corporate databases
- **Payment gateway** - Strip gateway integration, future scope for blockchain payments for cryptocurrencies and CBDC.
- **Location Detection** – Using Google Maps API
- **Video Conferencing** – Zoom or other Live Meeting API

## Operational methodology :



## Feasibility of the Idea:

- **Technical Feasibility:** The platform leverages technologies such as AI-based recommendations, escrow systems, and video conferencing,
- **Market Feasibility:** A Growing demand in our "GIG Economy" fueled by over 9 million gig workers
- **Scalability:** The platform can be scaled from local regions to nationwide, incorporating multilingual support and location-specific job postings.



**Challenges(in) and Strategies(out) to overcome them**

# IMPACT AND BENEFITS



Specialized AI-Algorithm suggesting freelancers prevailing trends in market for their career growth



Allows freelancers and employers to meet via video conferencing before finalizing a job, improving trust.



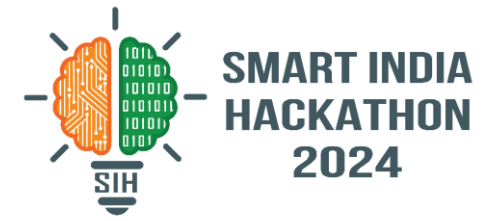
Helps freelancers earn a steady income by connecting them with employers.



Provides access to more job opportunities, especially in remote areas.



# RESEARCH AND REFERENCES



[HTTPS://FIREBASE.GOOGLE.COM/DOCS](https://firebase.google.com/docs)

(FIREBASE  
DOCUMENTATION FOR  
THE BACKEND  
DEVELOPMENT)



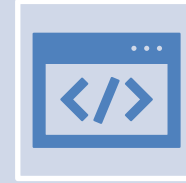
[HTTPS://FIREBASE.GOOGLE.COM/DOCS/CLOUD-MESSAGING](https://firebase.google.com/docs/cloud-messaging)

(FCM DOCUMENTATION)



[HTTPS://DOCS.STRIPE.COM/API](https://docs.stripe.com/api)

(STRIP DOC'S FOR  
PAYMENT GATE WAY)



[HTTPS://M3.MATERIAL.IO/](https://m3.material.io/)

(MATERIAL DESIGN FOR  
UI/UX DEVELOPMENT)