# **SMART INDIA HACKATHON 2025**

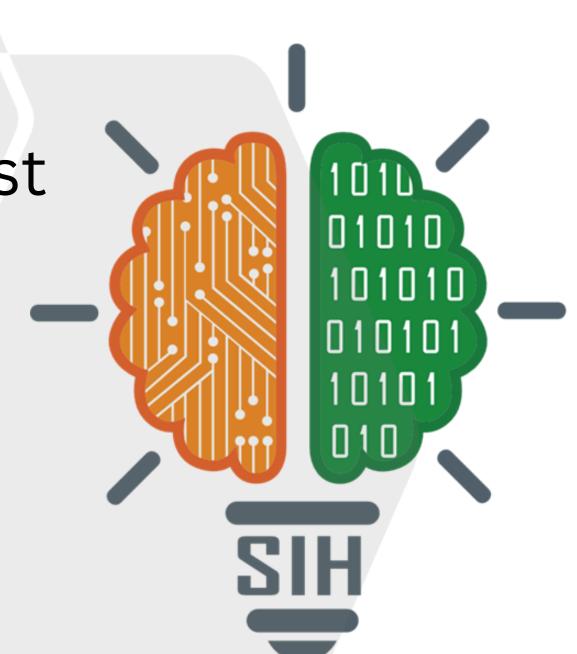


# Wander Wave: Your Journey, Our Guidance

- Problem Statement ID SIH25137
- •Problem Statement Title- "Smart Tourist

Guide System"

- •Theme- Tourism
- PS Category- Software
- •**Team ID-** D2
- •Team Name- Code Craftor Team (CCT)





## Wander Wave: Holistic Tourism Platform



#### **Problem:**

• Safety risks, language barriers, fake experiences.

#### **Solution:**

- Verified Local Guides: Trustworthy, background-checked guides.
- Secure Stays: Safe and reliable accommodations.
- Authentic Experiences: Real food, culture, and activities.
- Smart Features: GPS "Near Me", itinerary planner, real-time support.

#### **How It Solves the Problem:**

- Safety: Verified guides and secure bookings.
- Convenience: All-in-one travel platform.
- Authenticity: Verified local experiences.
- Accessibility: Multi-language support, offline maps.

#### **Innovation & Uniqueness:**

- Real-time location services with immersive experiences.
- Supports local guides and boosts the local economy.





WANDER WAVE TOURIST GUIDE

- Best Guides
- Safe travel
- Language Barriers
- real time support
- offline maps



## **TECHNICAL APPROACH**



#### Cross-platform frontend dev

Using React Native and Flutter for Android and iOS apps.

#### Real-time data with Firestore

Managing user and guide info with instant updates.

#### Location services integration

Employing GPS and geofencing for nearby suggestions.

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## **Robust security** measures

Using Firebase Auth, secure payments, and verification.

#### Design & database planning

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Creating app screens and structuring the database schema.

### **Backend** with Node.js & Python

Powering booking APIs and server-side logic.

**@SIH Idea submission** 



# Feasibility and Viability



#### **Feasibility Analysis:**

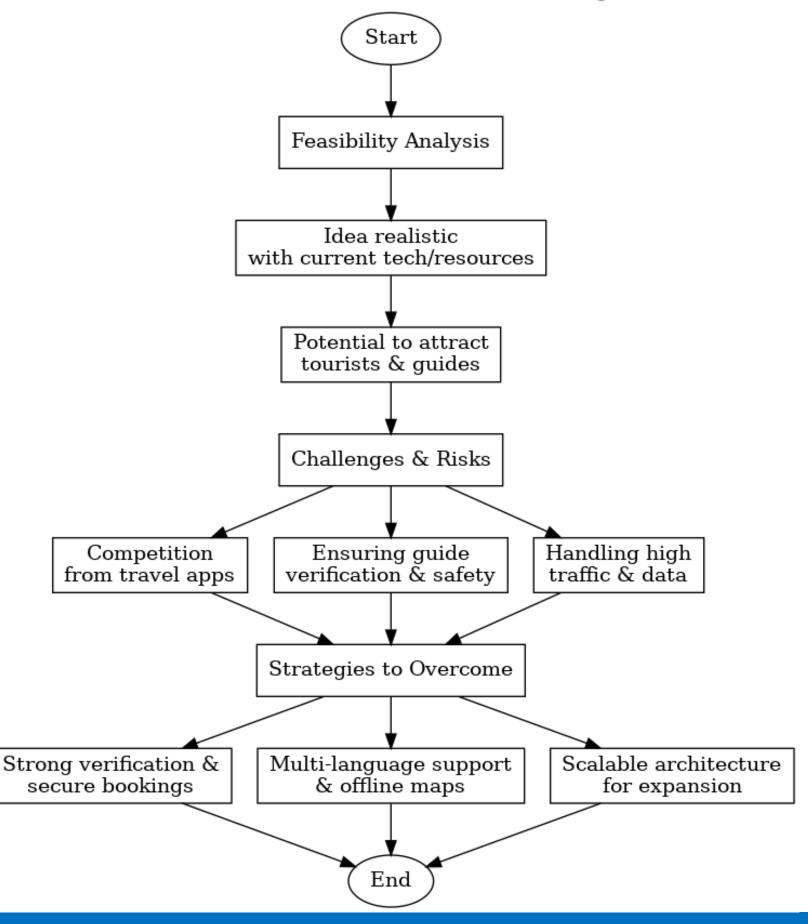
- Idea is realistic with current tech and resources.
- Potential to attract tourists and local guides

### **Challenges & Risks:**

- Competition from existing travel apps.
- Ensuring guide verification and user safety.
- Handling high traffic and data.

#### **Strategies to Overcome:**

- Strong verification process & secure bookings.
- Multi-language support & offline maps.
- Scalable architecture for smooth expansion





# **Impact & Benefits**



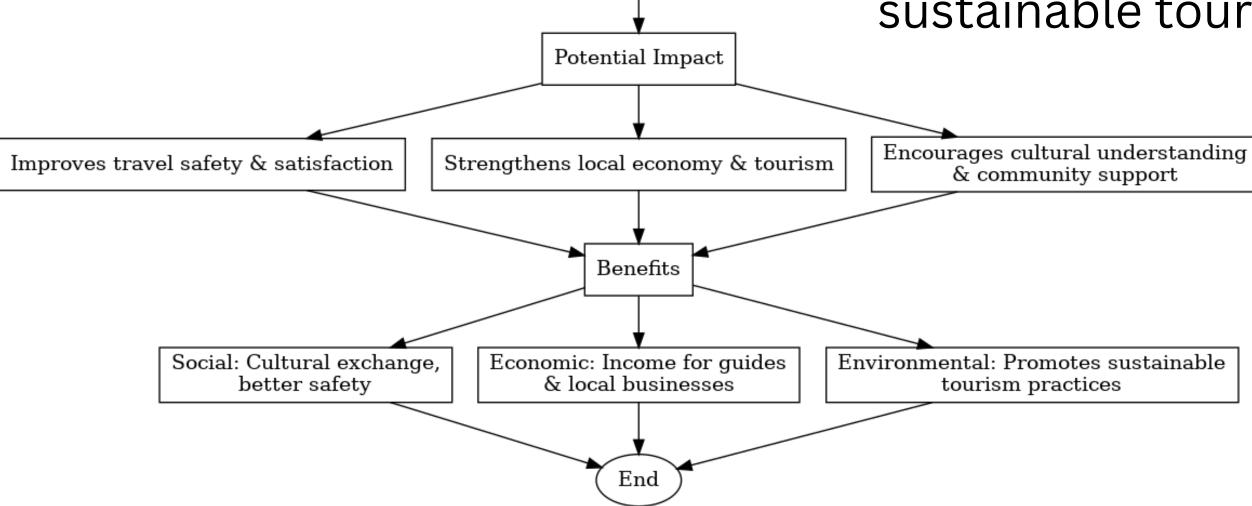
## **Potential Impact:**

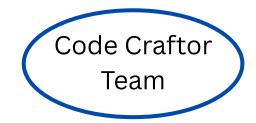
- Improves travel safety and satisfaction.
- Strengthens local economy and tourism sector.

• Encourages cultural understanding and community support.

## **Benefits:**

- Social: Cultural exchange, better safety.
- Economic: Income for guides & local businesses.
- Environmental: Promotes.
  sustainable tourism practices





## **RESEARCH AND REFERENCES**



- Ministry of Tourism (India): Stats & Monthly Reports demand trends & gaps.
- tourism.gov.in/statistics
- UNWTO: Tourism recovery reports & Barometer global insights.
- unwto.org
- Academic Research: AR/VR & AI travel assistants (systematic reviews, 2022–24).
- ScienceDirect VR in Tourism
- APIs: Google Maps, TripAdvisor API, OpenWeather, Google Translate app integration.
- Google Maps | TripAdvisor API
- Competitors: TripIt, MakeMyTrip, Google Travel benchmarking features.
- TripIt | MakeMyTrip