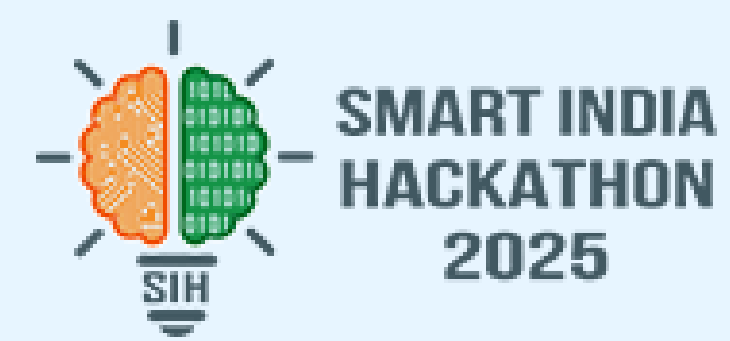
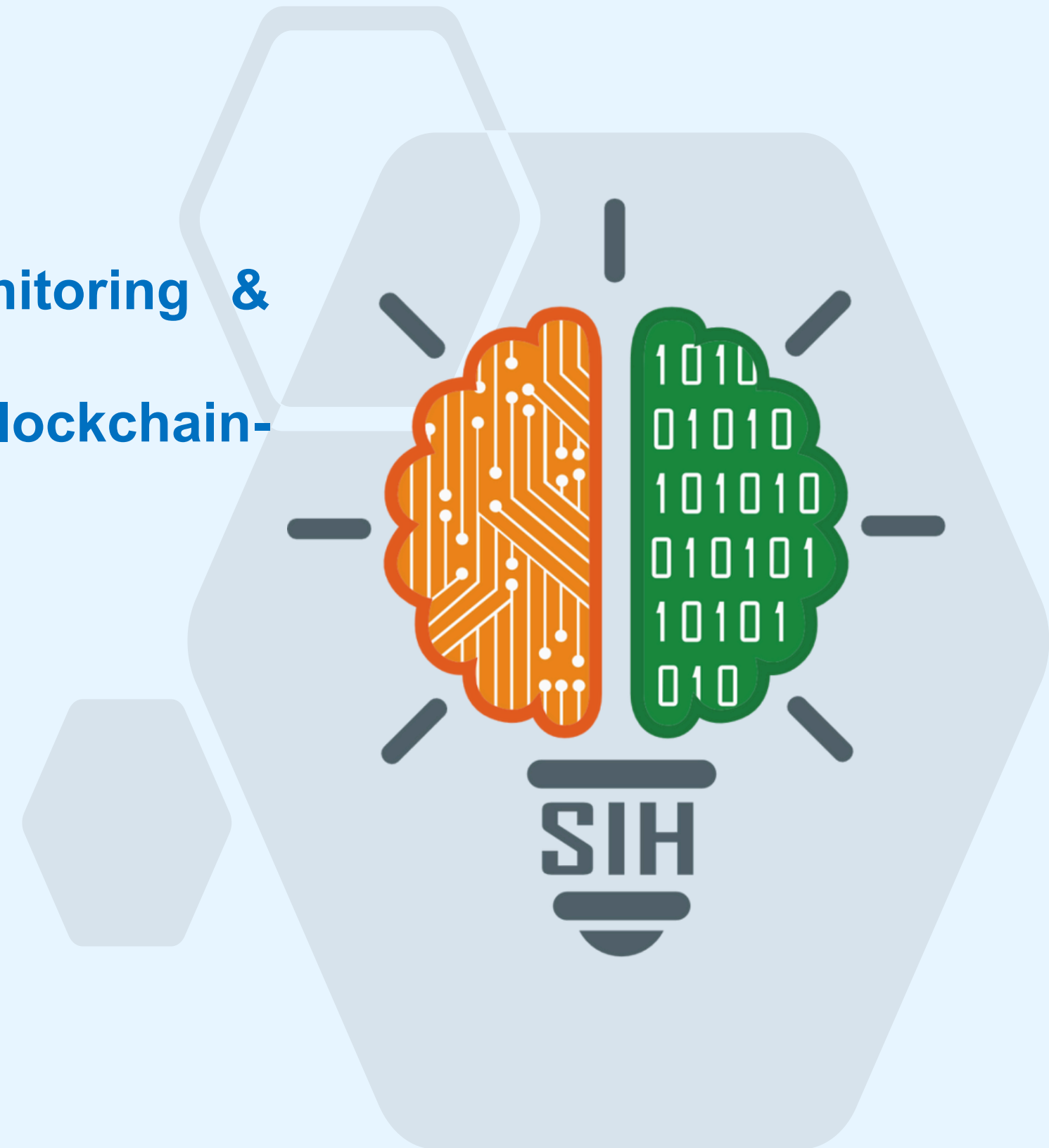


SMART INDIA HACKATHON 2025

TITLE PAGE



- Problem Statement ID – 25002
- Problem Statement Title - Smart Tourist Safety Monitoring & Incident Response System using AI, Geo-Fencing, and Blockchain-based Digital ID
- Theme- Travel & Tourism
- PS Category- Software
- Team ID- T121
- Team Name (Registered on portal) - PIXEL TROOPS



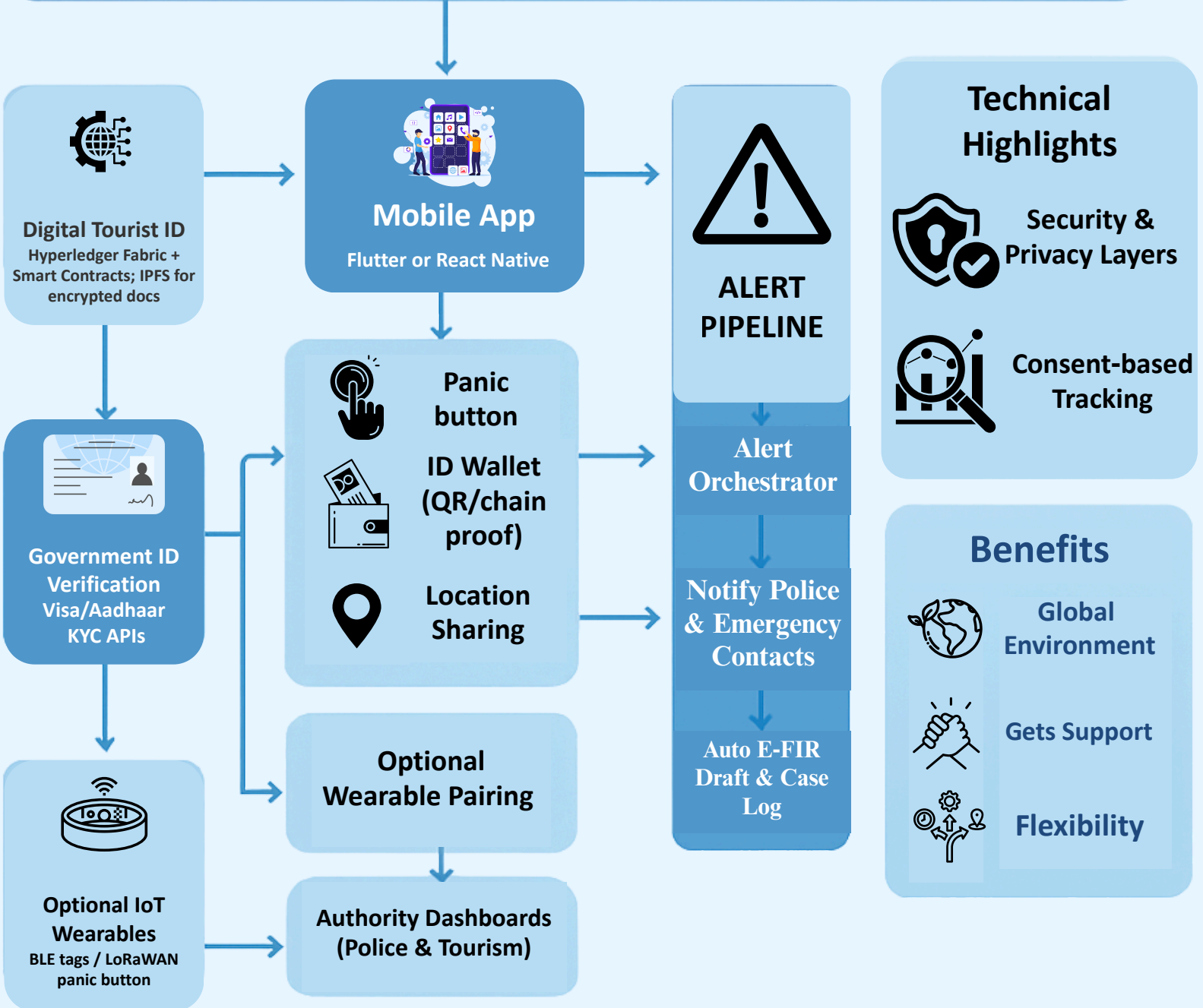
BRIEF INTRODUCTION OF OUR IDEA

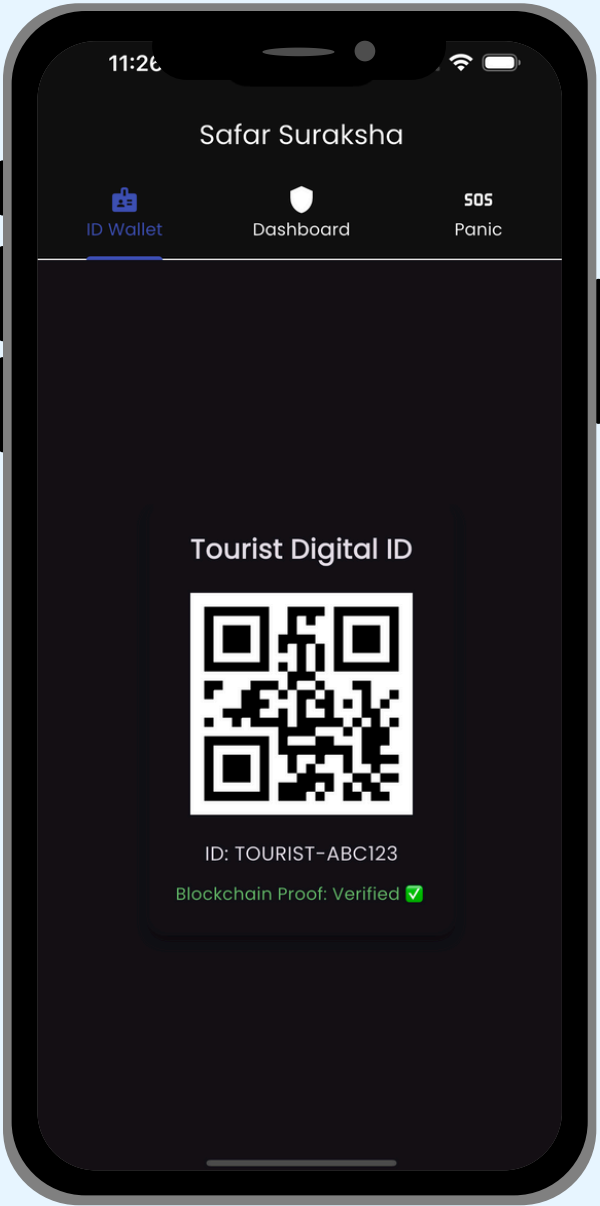
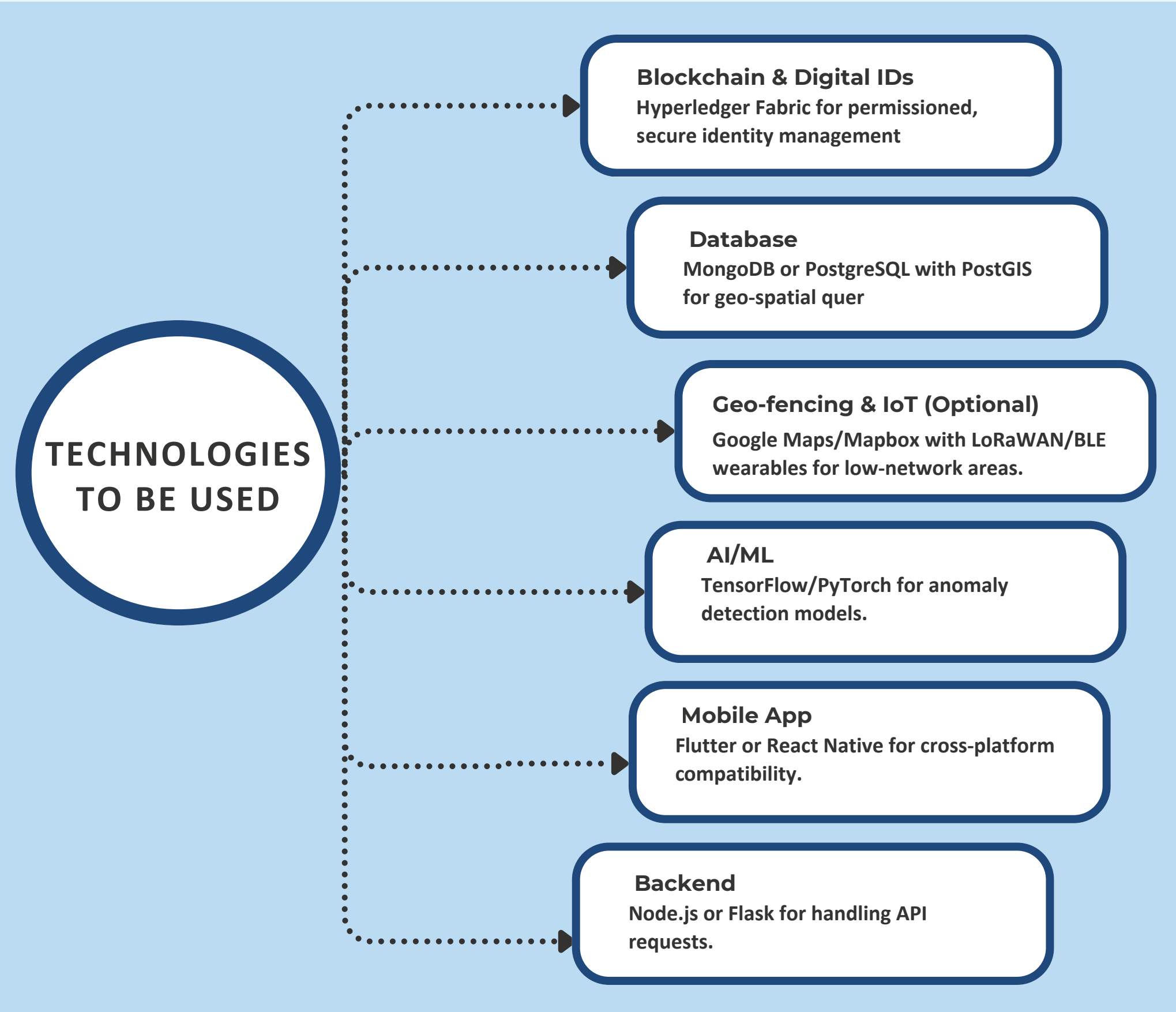
An integrated **Smart Tourist Safety Monitoring & Incident Response System** to ensure tourist safety in remote & high-risk regions using blockchain and AI.

KEY SYSTEM COMPONENTS

- ## KEY SYSTEM COMPONENTS
- **BLOCKCHAIN-BASED DIGITAL IDENTITY** : A secure, **tamper-proof digital ID** using **VISA no** is issued to each tourist after KYC verification at entry points. This ID, stored on a blockchain, serves as a trusted and unique identifier throughout their journey.
 - **AI-POWERED REAL-TIME MONITORING** : A mobile app tracks real-time location and uses **AI models** to detect anomalies like route deviation, prolonged inactivity, or entry into high-risk zones.
 - **INTEGRATED INCIDENT RESPONSE** : A **unified dashboard** for authorities provides a real-time map of tourist locations, displays instant alerts from the AI system or a manual panic button, and allows for the automated generation of an **E-FIR to expedite response**.

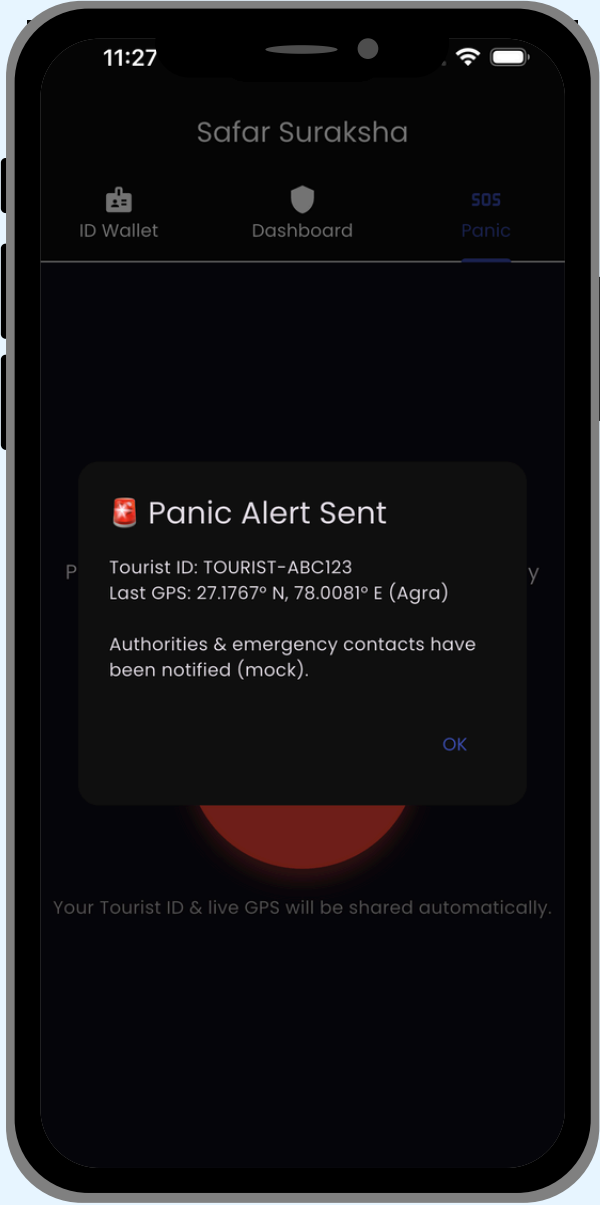
SMART TOURIST SAFETY MONITORING & INCIDENT RESPONSE SYSTEM

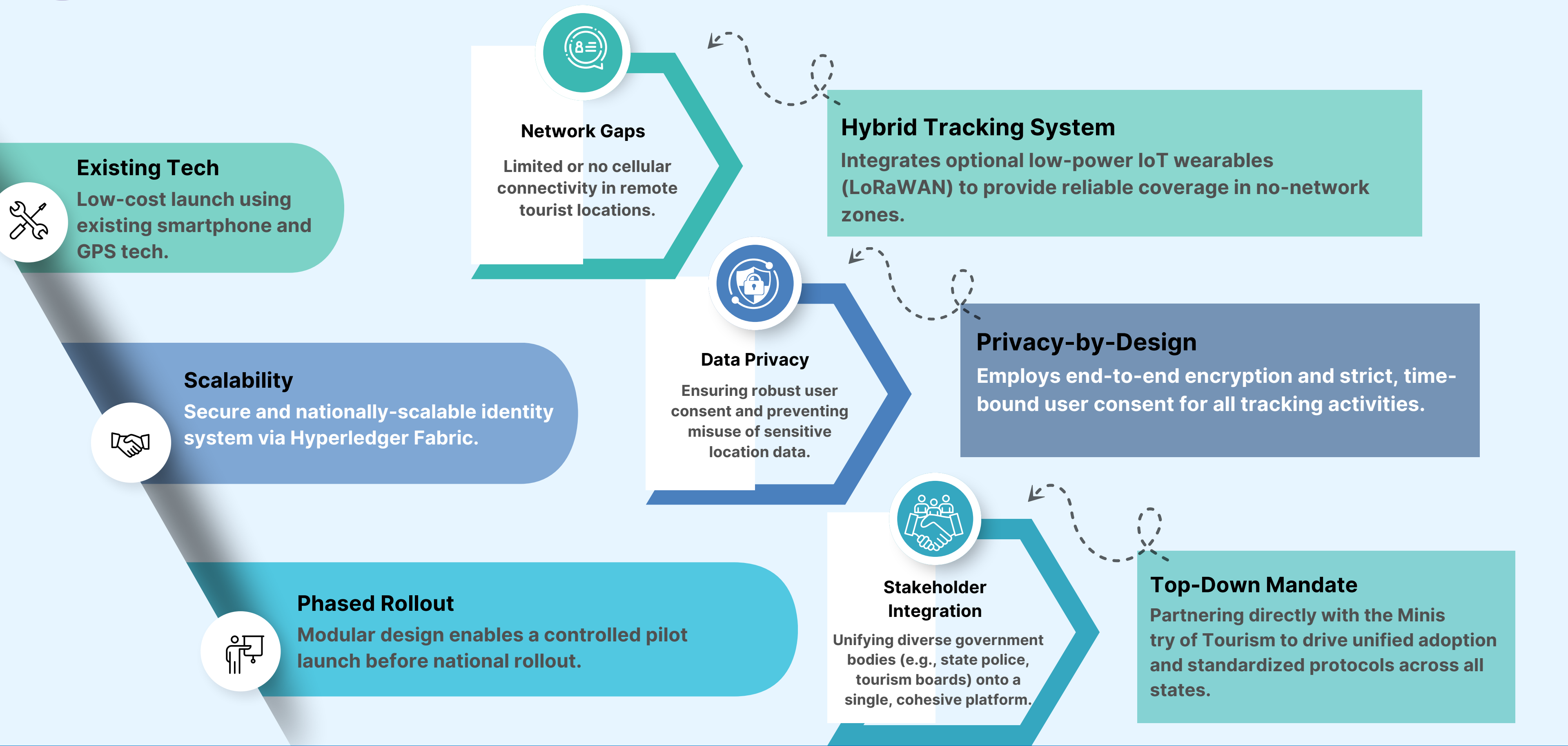


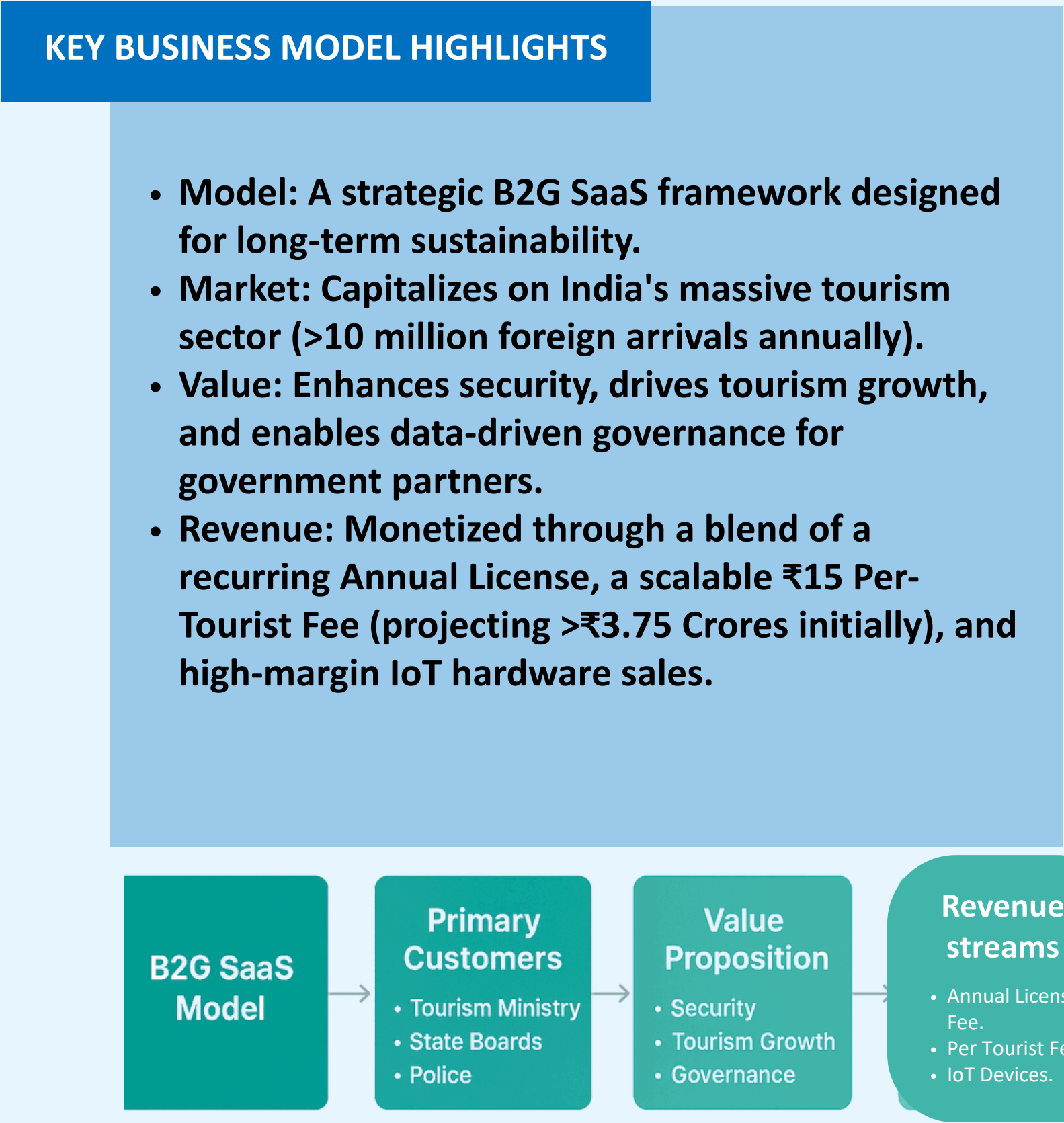
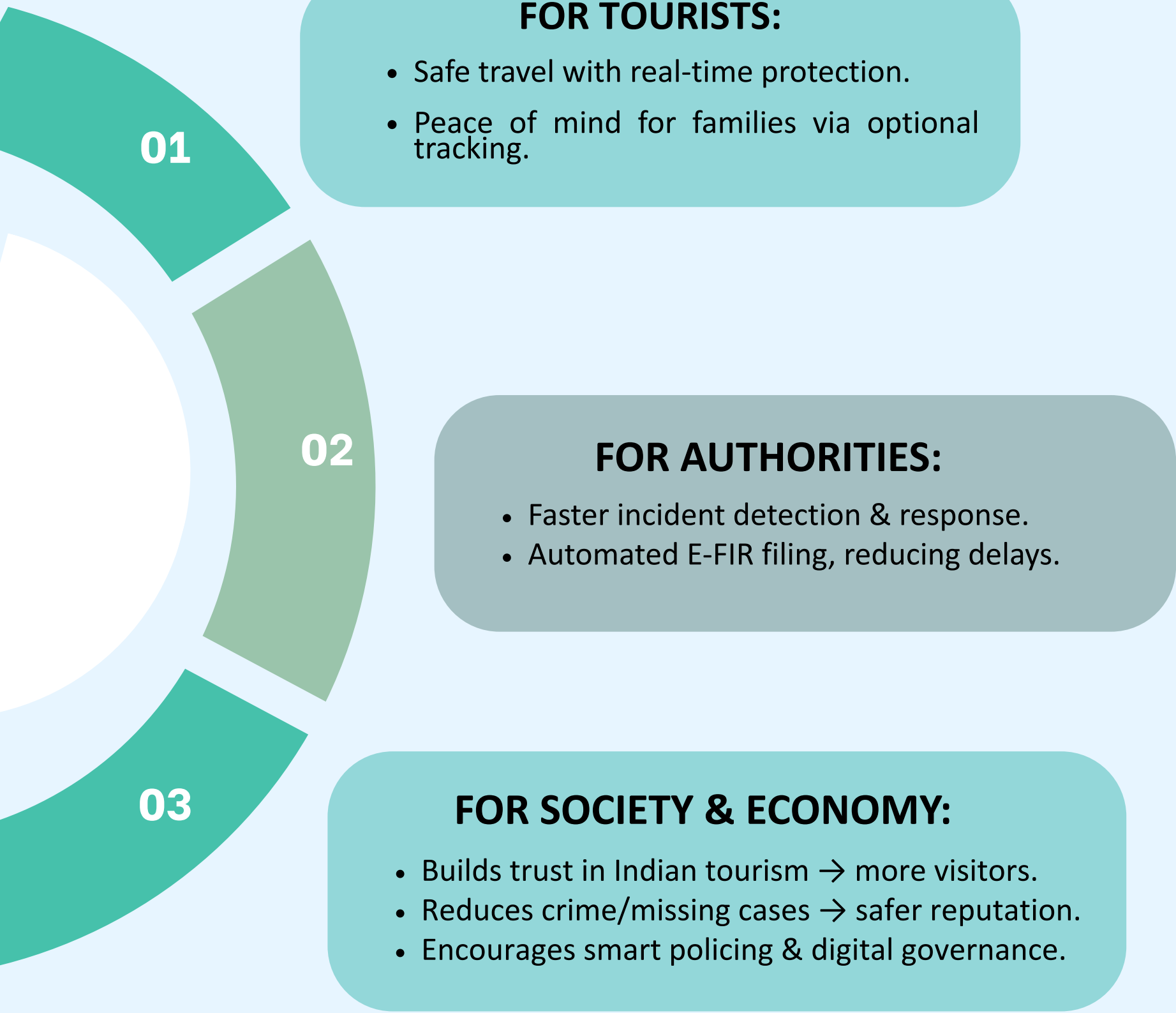


Blockchain-Verified ID
A unique QR code provides a secure, immutable identity for seamless and trusted verification.

One-Tap Panic Button:
instantly alerts the nearest authorities with precise location data for immediate assistance.







- Ministry of Tourism reports on tourist safety.
<https://tourism.gov.in/sites/default/files/2020-08/Safe%20and%20Honble%20Tourism%20Guidelines.pdf>
- NCRB statistics on missing persons & tourist incidents.
<https://dataful.in/datasets/18466/>
- Blockchain in Identity Management (World Bank & WEF studies).
<https://identitymanagementinstitute.org/blockchain-identity-management/>
- AI-based anomaly detection in GPS tracking (IEEE papers).
<https://ieeexplore.ieee.org/document/10677323>
- IoT safety wearables case studies in Japan & Europe.
<https://www.pwc.com/us/en/library/case-studies/makusafe-iot-wearable-technology.html>