Goa Open Innovation

Challenge 2025

Problem Statements

Tourism:

Aspect	Description
Problem Statement	**Smart Tourism Management During Peak Seasons** Create an integrated digital system to manage tourist flow during peak seasons by enabling data-driven crowd monitoring, traffic control, beach management and infrastructure optimization.
Desired Outcome	1. Improved crowd flow and reduced congestion 2. Enhanced safety and security for tourists and locals 3. Preservation of the environment and local culture 4. Increased tourist satisfaction 5. Sustainable tourism practices 6. Improved infrastructure to accommodate larger crowds
Additional Information	1. Goa is a small state with limited land area and carrying capacity 2. Tourism is a major contributor to the state's economy 3. Many popular tourist destinations are located in coastal areas, which are vulnerable to environmental impacts 4. Local communities play a crucial role in tourism development and management

Aspect	Details
Problem Statement	**Tackling Tout Issues through Technology** Develop a solution to monitor and regulate unauthorized touts in tourist areas through identity verification, reporting tools and AI-driven surveillance.
Desired Outcome	1. Elimination of unauthorized tout activity 2. Improved tourist experience. 3. Safer public spaces through digital monitoring and enforcement.
Constraints	Privacy and data protection concerns, integration with law enforcement systems, real-time data processing.

Aspect	Details
Problem Statement	**Smart Beach Surveillance System** Design a real-time beach surveillance solution to enhance safety, prevent overcrowding, and support coastal regulation enforcement through AI, cameras, and monitoring dashboards.
Desired Outcome	Enhanced beach safety, controlled crowding, and better enforcement of regulations through intelligent monitoring.
Constraints	Weather conditions affecting drone usage, power and connectivity challenges, data privacy compliance.

Aspects	Details
Problem Statement	**Digital Parking Management at Tourist Hotspots** Develop a tech-enabled parking system for high-traffic tourist areas that shows real-time availability, supports digital payments, and improves traffic flow.
Desired Outcome	Optimized parking usage, reduced congestion, and smoother traffic movement in designated tourist areas.
Constraints	Infrastructure limitations, real-time data accuracy, user adoption and accessibility.

Aspects	Details
Problem Statement	**Eco-Tourism Route Mapping and Promotion** Create a digital platform to promote offbeat, eco-sensitive destinations in Goa by mapping trails, homestays, experiences, and enabling bookings that align with regenerative tourism goals.
Desired Outcome	Boost to regenerative tourism, increased visibility for local businesses, and better tourist dispersal across eco-friendly destinations.
Constraints	Accurate content sourcing, stakeholder coordination, and sustainability of listed experiences.

Aspects	Details
Problem Statement	**Smart Licensing & Regulation System for Tourism Operators** Design an end-to-end digital platform for the registration, licensing, monitoring, and review of tourism operators, ensuring compliance, transparency, and quality assurance for visitors.
Desired Outcome	Streamlined licensing process, better regulatory oversight, and improved service quality in the tourism sector.
Constraints	Integration with legacy databases, resistance to change, and multilingual support.

Aspects	Details
Problem Statement	**Tourist Feedback & Sentiment Dashboard** Design an AI-driven dashboard that analyzes tourist reviews, social media posts, and survey data to provide real-time feedback to tourism department.
Desired Outcome	Improved responsiveness to tourist needs, data-informed decision-making and enhanced visitor satisfaction.
Constraints	Sentiment analysis accuracy, multilingual content processing, and real-time data updates.