SENSOR BAND (IDT - B3)

Problem Statement

How might we help tourists enjoy a more informative and comfortable experience by reducing confusion, lack of guidance, and poor facilities, while ensuring they feel well informed, satisfied, and connected to the heritage they are visiting? Tourism can be enhanced when visitors receive clear directions, reliable information, and better support despite limited management resources. Another major concern is identifying and monitoring individuals who remain inside historical monuments after visiting hours, which creates safety, security, and maintenance challenges.

Project Team

FIREBREEZERS

Team Members

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Solution

Our team is developing a digital sensor band designed to identify anyone who stays inside the haveli after visiting hours. The system uses a Real-Time Location System that assigns a unique ID to each tourist wearing the band. A network of sensors installed throughout the monument creates a secure geofence that tracks every movement within the premises. When the site closes, the central system automatically activates a Monitoring Mode to detect anyone still inside the protected area. If a person remains after hours, the system immediately sends an alert to security staff so they can respond quickly. This solution helps prevent trespassing, increases visitor safety, and supports efficient management of heritage sites by providing accurate and reliable real-time tracking.