

## SAHA ASSISTANCE APP (IDT - B3)

### Problem Statement

Women often feel unsafe while travelling in buses during evening hours due to weak monitoring systems and limited surveillance. The absence of real-time identity tracking for passengers makes it difficult to ensure accountability or respond quickly during emergencies. Overcrowded buses further increase the risk of harassment, creating fear and discomfort for women who rely on public transport. These safety gaps highlight the need for a reliable system that improves monitoring, identifies passengers, and reduces the chances of harassment.

### Project Team



STELLAR SQUAD

### Team Members

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### Solution

Our system ensures women's safety in buses through QR-based identity tracking, AI-powered surveillance, and smart alert mechanisms. Before boarding, each passenger scans a unique bus QR code, storing their UID in the trip memory to create a secure and traceable record. Each journey generates its own temporary database containing passenger UID, bus ID, route, and timestamps, automatically deleted once the trip ends to protect privacy. To prevent overcrowding, the system limits the number of QR scans per trip according to bus capacity. The 360° AI camera monitors behaviour and triggers a safety prompt when detecting threats. If the woman signals distress, authorities receive instant alerts with details, location, and footage. This integrated approach ensures safer travel and fast emergency response.

