

# **AR Campus Navigation – Product Backlog**

## **EPIC 1: Research & Requirement Analysis**

- US1 - Analyze existing AR navigation apps
- US2 - Identify user challenges in campus navigation
- US3 - Document functional and non-functional requirements

## **EPIC 2: System Design & Architecture**

- US4 - Design system architecture
- US5 - Define database schema
- US6 - Design API endpoints

## **EPIC 3: UI/UX Design**

- US7 - Create home screen UI
- US8 - Create AR overlay designs
- US9 - Implement search bar

## **EPIC 4: AR Navigation (Outdoor)**

- US10 - AR arrows overlay
- US11 - Dynamic distance updates
- US12 - Shortest path

## **EPIC 5: Indoor Navigation (QR-based)**

- US13 - QR scanning for indoor navigation

US14 - QR management for admin

US15 - Indoor position indicator

## **EPIC 6: Map & Location Management**

US16 - 2D/3D campus map

US17 - Building details popup

US18 - Add new POIs

## **EPIC 7: Backend & Database**

US19 - Setup Firebase

US20 - Implement APIs

US21 - Save favorite places

## **EPIC 8: System Integration**

US22 - Integrate AR + location data

US23 - Test AR & GPS

US24 - Offline mode

## **EPIC 9: Admin Panel**

US25 - Admin login

US26 - Upload POI details

## **EPIC 10: Testing, Deployment & Maintenance**

US27 - Functional + usability testing

US28 - Play Store deployment

US29 - User feedback

## **BONUS FEATURES**

US30 - Voice navigation

US31 - AR landmark models

US32 - Multi-language

US33 - Accessibility mode