

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