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(57) Abstract :

The invention relates to an Augmented Reality Tool for Smart Indoor Navigation Systems (100) comprising an AR interface (110), sensor fusion module (120), cloud synchronization unit (130), and accessibility engine (150). The system overlays navigation cues onto real-world environments via AR, enhancing user experience and accuracy. It integrates BLE, Wi-Fi, and vision markers for precise localization and provides multimodal outputs including voice and haptic guidance. The invention ensures dynamic rerouting during emergencies and supports scalable deployment across diverse infrastructures.

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