

AI/Virtual Reality Technology For Indoor Navigation and Accurate Levels

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Abstract: *The application of artificial intelligence and virtual reality technologies for precise occupancy level monitoring and interior navigation is covered in this paper. The use of these technologies enhance interior navigation and offer more precise data on occupancy levels, improving indoor space management. It is also investigated how these technologies could change a variety of sectors, including retail, healthcare, and education. Based on the research presented in this paper, indoor navigation and occupancy monitoring might be revolutionized by the application of artificial intelligence (AI) and virtual reality technologies, boosting both space utilisation and user experience.*

To reliably discover occupancy levels, AI may be used to construct algorithms that analyse data from sensors like as cameras, Wi-Fi access points, and beacons. This data may be utilised to optimize building space use, increase safety, and improve user experience. AI algorithms may also be utilised for interior navigation, allowing users to navigate buildings and discover specific rooms or things

Keywords: Occupancy level monitoring, space management, user experience