

Building an indoor positioning system in a shopping mall using Wifi technology

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Abstract: In the current context, managing and locating customers in shopping malls has become more important than ever. This topic aims to address this issue by building a positioning system using Wifi technology. The objective of the research is to determine the optimal method for collecting and processing data from Wifi devices, while developing a positioning algorithm based on deep learning models. Through experimentation, the topic hopes to provide an effective solution for shopping mall management and services, contributing to improving customer experience.

Keywords: WiFi positioning, Shopping center, Deep learning model