

Research on building a route-finding application system for Hanoi buses

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Abstract: This topic aims to research and build an online application system to support the travel journeys of residents using public transportation in Hanoi. By analyzing the current situation and existing needs, the topic applies GIS and AI technologies to the process of locating and suggesting bus routes. The research method combines a theoretical approach with experimental deployment on a mobile platform. The expected results provide a useful solution that contributes to optimizing the operational performance of the public transportation system, thereby improving service quality and experience for residents.

Keywords: application system, GIS (Geographic Information System), AI (Artificial Intelligence), Hanoi bus, traffic optimization