

Building a scheduling module for the Thai Nguyen bus station management program - Thai Nguyen Province

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Abstract: In the practice of public transportation, the effective management of bus stations is an important issue. This study focuses on building a dispatching module to optimize the operational processes of bus stations in Thai Nguyen province. The main objective is to develop an automatic dispatching system to enhance capacity and service quality, reducing the workload for management staff. To achieve this goal, the study applies a combination of theoretical research and experimentation through analyzing the current operational model and designing the dispatching interface. The expected result is an efficient dispatching system with broad applicability, contributing to improving the quality of transportation services at local bus stations.

Keywords: Bus station dispatching, Bus station management, Information technology, System integration, Service quality improvement