

Assessment of the current status and planning of the mobile communication network in Thai Nguyen city area

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Abstract: In the context of the continuous development of information technology, assessing the current status and building a mobile information network plan in the Thai Nguyen city area is necessary to meet modern connectivity demands. This project aims to analyze the existing situation regarding service quality and network infrastructure within the city, while also proposing network optimization solutions. The research methodology includes real data analysis, technical evaluation, and system simulation. It is expected that the project's results will significantly contribute to improving mobile services in the area, enhancing information management capacity, and promoting sustainable urban development.

Keywords: Mobile information network, Thai Nguyen City, Network planning, 4G/5G technology, Network management