

Building a water and electricity management system for the IT&T; dormitory in Thai Nguyen on the Android platform

Nguyen Trong Luan

Abstract: This topic aims to meet the requirements for energy savings and improved management efficiency at the CNTT&TT-Thai; Nguyen dormitories by building an electricity and water management system on the Android platform. Through research and analysis of the current situation, the topic applies information technology-based management methods to design and deploy an automated system that allows for effective monitoring, control, and adjustment of electricity and water usage. The results of the topic not only contribute to improving the living environment but also create an important database for evaluating operational performance and formulating appropriate management policies.

Keywords: Water and electricity management, IT&T; dormitory - Thai Nguyen, Android platform