

## Abstract

In the process of monitoring, evaluating and reporting a construction project's quality, correctness and progress, construction site inspection is considered to be one of the most important processes in construction management. Furthermore, the tools for collecting and managing information play a direct role on the quality of site inspection. Therefore, a systematic management of information is vital in supporting site inspection specialists to work more effectively.

This research aims to study and analyze data which is used in construction site inspection system for finding factors and proper working process, to be applied in appropriated construction site inspection system. To propose a development of an architectural construction site inspection system, particular database system which satisfies architectural construction details was developed for particular project.

According to the research, there are two relevant results. Firstly, it is illustrated that this system digitizes data from hard copies to electronic forms. In addition, the online system, offers better ways to search and store data by using dedicated database, tables, and images. This system is designed to be user friendly interface and easy to understand. It should be practical prototype for architectural construction, which can be editable for various types of projects. It can properly distinguish between different users as well. The second result shows an innovative way to inspect construction site by using single software to accumulate and handle different kinds of data. This research proposes a cell phone as the tool to interface with data. The outcome explains that cell phones could be effective tools for construction site inspection system due to the abilities for editing data in many different types, texts, tables, and images. Furthermore, this system can transfer information simultaneously through internet connection. This research improves the quality of construction site inspection and database management system which can work more efficiently.