

**Title:** Payroll and DTR Management System for 8telcom, Inc. using the VPN Architecture

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## **ABSTRACT**

Payroll system is now important these days especially for big companies. One of the companies here in Davao that is in need of a Payroll and DTR Management System is the 8telcom, Inc. Currently, the company uses fingerprint scanner for their log in and log out. The company has different branches in Cagayan de Oro, Cebu, Tagum, and other Davao Branches. The purpose of the study is to develop a Payroll and DTR management system using VPN Architecture. The proponents came up with this idea because the branches are far from the main office, creating a big problem for the company.

This project covers a network infrastructure which assures that the data is secure whenever it is passed from server to clients. The administrator, HR manager, president and vice president are the only ones who can only access the database server and can only manipulate the data of the employee. Since the company is using a fingerprint scanner to log in and log out. The proponents decided that the fingerprint scanner will be connected to the system directly and the data will automatically be saved to the database server.

This project is using a ZKEM SDK for the fingerprint scanner to connect the system. It runs in Windows 7 professional with the RAM of 2GB.

**Keywords:** VPN, Payroll, DTR Management, Fingerprint Scanner