

**TITLE : BIOMETRIC FINGERPRINT TIME ATTENDANCE SYSTEM (BFTAS)**

**Region :** Region X – Northern Mindanao

**Sector :** School / Education

**SubSector:** Information and Communication Technology

**Description:**

In late 2004 the Information and Communication Technology Center (ICTC) of Mindanao State University – Iligan Institute of Technology (MSU-IIT) has developed a reliable, simple, convenient, safe ,accurate, and low-cost Biometric Fingerprint Time Attendance System (BFTAS). This is computer-based solution that records employee's time in/out and attendance using their fingerprint, thus replacing the Bundy clock.

The BFTAS uses a low-cost fingerprint sensor attached to a personal computer with installed MS Windows'98 or higher operating system. It may be deployed as a stand-alone system or on a network (LAN) of multiple PC's in different locations in an enterprise or campus. The reference and captured data are stored in a PostgreSQL database management system, which is an open-source DBMS engine that runs on both Linux and Windows operating systems. An administration module is used to capture the reference fingerscan of an employee who may register one or all of his/her fingers. In a LAN environment, a BFTAS station can be configured to only accept employees that are allowed in that station. Standard reports like the daily time record are easily generated by the assigned administrator.

BFTAS has been used in MSU-IIT since January of 2005.

**Proponent:** MSU-IIT ICT Center

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