Outline Proposal for.. *PerSys*

## Outline of purpose.

The system will be a personnel system, its purpose it to be a fully integrated staff clocking in/out and possibly stretch to task management in the long run. This system will NOT be a replacement for an HR system and will NOT hold very sensitive data.

The system WILL:

* Provide an online web site that will allow users to view reports of their data.
* Gather data regarding clocking in and out at work.
* Will integrate with contactless readers to report swipes from workers.
* The system will have multiple accounts for one company

## Technologies involved in development

The Web based backend will be written in PHP and the front end will be written in HTML, CSS and jQuery.

The Database will be a mysql DB.

The contactless readers will be developed and prototyped on Arduino.

## Possible developments of the system

To have task management and to incorporate the use of handheld devices to acknowledge and complete individual tasks.

This will create a report to their supervisor of the status of workload

## Initial database design:

Tables:

Company – This will contain all the data on the companies using the database

Users – This will have all the users that have the access to the data

EMPLOYEES – This is all the details of the workers that will be monitored by the system.

LOGS – This table will contain all logs in or out.

Task – task details that are distributed to the workers.

## Web site design:

There needs to be an log on page this will be void of any information or advertising – there will be a separate web site for marketing purposes.

Control page - this will have the reports of clocks etc:

Employee Admin page – Allows users to set worker times and dates etc, also add/remove employees

User Admin – Allows the setting up or users may requires access level to be set in the user table.