

**Production Management and Labor Organization System (PMLOS)**

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| --- | --- | --- |
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| Capstone project code |  | |

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# Introduction

## Purpose

PMLOS is the system that helps to Quang Hanh TKV helps Quang Hanh TKV company to change the way manage production and labor from ineffective way (by excel) to manage by software to increase work efficiency and reduce risk.

## Project Information

* Project name: **Production Management and Labor Organization System**
* Project code: **PMLOS**
* Project group name**: Ready Team**
* Product type: **Web application**
* Timeline: **Dec 08 th , 2017 – Nov 13 th, 2018**

## The People

### Supervisor

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
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### Team Members

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## Background

### History

### Organizational structure

### Department introduction

### Responsibility in business of each department

### Current system

### Business between TCLD department and other departments

### Existing system

### Conflict and difficulty of current system

## The Proposed system

### The idea

Considering the problems of the current manual system, PMLOS was created to solve all those problems. This will be an intuitive, comprehensive management system, help the management becomes faster, multitasking, simpler, more efficient, eliminating the limitations of the system manual, improve productivity efficiency, minimize risk of error. Employees will be managed by department and certificate will be managed by employee. PMLOS will provide searching employee feature and filter by department feature to make searching information of an employee and his/her certificate more easily.

### Technical requirement

Because the business of Quang Hanh Company involves work in the mines. Mine is an extremely dangerous place with difficult and complicated. It is difficult to carry many devices, equipment and in addition the managers do not know much about computers and complex technology. With the condition of a Wi-Fi pit, PMLOS is built to website, that will best suit with above conditions. With users using office IT to get acquainted with the software faster and more user-friendly during using. Software will manages the server power, automatically disconnects data, links and takes over the control of the Company's existing digital radio system for power outage operation.

### Functional requirement

Because there are many different positions in the labor organization department, the features and the screens will be assigned and only authorized people can handle the features and screens. There are positions in the labor organization department such as paperwork managers, certificate managers, mobilization managers, labor productivity managers, and department managers. So the features will be developed based on the positions and jobs in the labor organization department .

Đối với nhân viên quản lý hồ sơ và giấy tờ, vì khó khăn hiện tại của họ là việc quản lý trên excel còn bị phân tán ở nhiều file khác nhau gây mất nhiều thời gian cho việc tìm kiếm lại để sửa đổi cũng như có rủi ro về mất mát dữ liệu nên phần mềm sẽ giúp nhân viên quản lý hồ sơ tâp trung hơn.sẽ có màn hình về quản lý hồ sơ nhân viên trong công ty dưới dạn danh sách. Khi chọn vào nhân viên sẽ có màn hình hiển thị toàn bộ thông tin của nhân viên này. Người quản lý có thể bổ sung cũng như sửa chữa thông tin trong hồ sơ của nhân viên này. Phần mềm cũng sẽ cung cấp khả năng tìm kiếm theo mã nhân viên, tên nhân viên hoặc lọc nhân viên theo phần xưởng giúp cho viêc tìm kiếm thông tin của nhân viên cần chỉnh sửa diễn ra nhanh chóng.Trong trang quản lý hồ sơ , người quản lý cũng có thể dể dàng thấy hồ sơ của nhân viên đang thiếu những gì để có thể thông báo cho nhân viên đó bổ sung. Sau khi bổ sung hồ sơ, lịch sử về việc bổ sung hồ sơ cũng sẽ được lưu lại để trưởng phòng có thể quản lý.

### Out-of-Scope Functions

# Software project management

## Problem Definition

### Name of this Capstone project

### Problem Abstract

### Project Overview

## Project organization

### Software Process Model

### Roles and Responsibilities

### Tools and Techniques

## Project management plan

### Tasks

### Task Sheet: Assignments and Timetable

### All Meeting Minutes

## Coding Convention

## Other material

# Software Requirements Specifications (SRS)

## User requirement specification

## System requirement specification

# Software Design Description (SDD)

## Overview

## Overall System Architectural

## Architectural Layer Design

## Software detailed design

### Activity process

### Context diagram

### Detail description

## Database Design or Data Structures

### Entity Relationship diagram

### Data Description

## References

# Software Test Documentation (STD)

## INTRODUCTION

### Purpose

### Background information

## Test plan

### Scope of testing

### Constraints

### Risk list

### Requirements for Test

### Test strategy

### Resource

### Test milestones

### Deliverables

## Test Design

## Testcase

## Test Defect

## Test Report

# Software User’s Manual (SUM)

## User’s Guide

### Purposes

### Detailed Guidelines