

# AS Capstone Project Proposal

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**Project Name:** Organizational Learning Management Web Application

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## **Project Description**

We are proposing a dynamic website application that will serve as a Learning Management System for small- to medium- sized organizations. Each user of the LMS web application will be affiliated with a registered organization and will only have access to the organization's information. Depending on status within the organization, department heads and high-level staff members will have varying levels of access to higher level tables with the ability to view individual, departmental, or whole-of-organization training metrics. The site will limit lower-level employees to view and manage only their own training requirements; being able to make training entries and monitoring their live status. The LMS will offer simple to understand tables for tracking and displaying an organization's training status. For higher level visualization services, users will be able to export their organization's data to excel files for third-party visualization dashboard use.

Learning Management Software is usually comprehensive and requires organizations to dedicate large development timelines to implement. Our website aims to streamline that process and allow small- to medium- sized organizations the ability to set up a simple & easy-to-access LMS within a short stand-up time that is readily accessible via the internet.

## **Functionality**

Functionality of the site must include the following:

### **All Users:**

- Secure login for both users and website administrators
- Create a log for both successful and unsuccessful logins & view personal login attempts
- Change their personal user information & security options

### **Low-level Users:**

- Do not have administrative rights to modify organizational data structure
- Limited to only All User functionalities and can only view & manage their own training
- Can create their own training entries & complete their own training

**Medium-level Users:**

- Do not have administrative rights to modify organizational data structure
- Have viewing/export privileges for departmental training metrics
- Assign departmental training tasks to users within assigned department
- Able to assign low-level job codes to users within department

**High-level Users:**

- Do not have administrative rights to modify organizational data structure
- Have viewing/export privileges for whole-of-organization training metrics
- Assign whole-of-organization training tasks to users within organization
- Able to assign medium-level job codes to users within organization

**Training Manager / Validator**

- Can exist as any of the three-level users; only has access to assigned department
- Has access to training validation functionality to verify assigned user's training
- Create training templates & modules for in-house application use

**Organization Administrators:**

- Creating initial organization profile & assigning level-authority to new users
- Create/Edit/Delete/Search data tables regarding organizational structure
- Create/Edit/Delete/Search User Accounts
- View all user's security login attempts & collected information
- Assign organizational administrator rights to other users
- Administrative rights limited to information within their assigned organization

**Website Administrators:**

- Have full access to create/edit/delete/search all aspects of all organizations

**e-Learning Functionalities:**

- Ability to have in-application training resources for users to complete
  - Embedded videos (youtube, etc.) or training documents
  - Complete button when video finishes
- Ability to log third-party training tasks via web form submission
  - Certification upload, name of training, training date, credits hours accomplished, URL of training site, etc
- Annual/monthly training tracker for assigned tasks

**Development Platform**

The LMS website will be coded using PHP and MySQL Workbench as the DBMS utilizing our local student NEIT servers for development implementation. Once development and testing is complete, we will then transition the site to a hosted domain and third-party to host our database server. The domain name and third-party database server host have yet to be determined.