



**Islamic Emirate of Afghanistan**

**Ministry of Higher Education**

**Ghalib University**

**Faculty of Computer Science**

**Software Engineering Department**



**Proposal**

**NanoNet's Course Management System**

**"Web Application"**

**A proposal submitted in fulfillment of the requirements for**

**the Degree of**

**Bachelor in Computer Science**

Student's Name: Mohammad Eshaq

Department: Software Engineering

Date of submission: Spring of 1403

## **1. Abstract**

A course management system is a software solution designed to help courses to manage their workforce more effectively. The system typically includes a range of tools and features aimed at admission processes, from recruitment of new teachers and new students and new classes onboarding to performance management.

One of the key benefits of an academy management system is that it can help academies to automate their admission processes, administrative burden on office workers and freeing up their time to focus on more strategic tasks.

This system has been developed at the request of the NanoNet educational center.

Easy and precise management at the educational center level, as well as security and information protection, are among the practical advantages of using this system.

The main goal of creating and using this system is to eliminate existing problems in educational centers, including using traditional and old methods in registering students, preparing reports, backup data, and properly managing all sections of the educational center.

Our system is built based on cutting-edge technology and world-class technologies, using html, css, bootstrap, and javascript for front-end development, Laravel for back-end development, and MySQL for data storage.

## **2. Introduction**

Effective management of a course's workforce is essential to achieve optimal performance and growth. course management systems play a crucial role in managing various aspects of classes, students, and teachers including payroll, benefits, attendance, performance, and more. In today's fast-paced and dynamic educational environment, traditional manual methods of managing classes, students and teachers' data have become inefficient and time-consuming, leading to increased administrative burdens and reduced productivity. The purpose of this proposal is to introduce a Course

Management System that can help admins streamline and automate their students and teachers-related processes. This system can provide significant benefits to academies of all sizes, from small academies to large academies.

The proposed Academy Management System will enable academies to manage their workforce more efficiently and effectively, allowing them to focus on their core educational activities. The system will provide real-time access to students and teachers data, enabling HR managers to make informed decisions, improve students and teachers' satisfaction, and enhance overall productivity.

performance management, payroll processing, and benefits administration.

The system will be user-friendly and accessible from any device that have windows OS ensuring ease of use and convenience for all users.

In conclusion, the proposed Course Management System will provide a comprehensive and efficient solution for managing students, teachers, and courses's data, enabling academies to streamline their HR processes and improve overall performance. The system's features and benefits make it an ideal solution for Academies seeking to optimize their workforce management and stay ahead of the competition.

### **3. Current Systems**

Today, the courses use the old paper system to carry out their administrative work and do their administrative work processes manually, such as student registration.

## 5. Requirements of System

### Functional Requirements:

1. **Login** : Admin can sign up and login to the system and this has various admin to manage the system.
2. **Teacher 's Section**: To show all information about teachers.
  - a: Add : Admin can add new teacher.
  - b:Delete :Admin can delete the teacher.
  - c: Update: Admin can update the teacher.
3. **Student 's Section**: To show all information about students.
  - a: Add : Admin can add new student.
  - b:Delete :Admin can delete the student.
  - c: Update: Admin can update the student.
4. **Classes 's Section**: To show all information about courses.
  - a: Add : Admin can add new course.
  - b:Delete :Admin can delete the course.
  - c: Update: Admin can update the course.
5. **Searching**: To find specific information about everything which exist in system.
6. **Registration form** : To register new students to the existing classes.
7. **Reporting** : To make report about students, teachers and classes which can be done for monthly and yearly reports.
8. **Backup**: To save and keep all data about Academy .
9. **Setting** : To change and implement some options.

## **Non – Functional Requirements:**

- **Usability:** Should be easy to use by Stuff.
- **Maintainability:** It must be easy to maintain.
- **Efficiency:** Must give good result within amount of Time
- **Security:** Should be secured from unauthorized access.
- **Accessibility:** we must make sure that the system be accessible for all authorized staff and not accessibility by anyone else.

## **7. Reasons of Choice**

As I per Course request, and considering its requirements, I found it necessary to design this system in order to resolve the problems and make it easier to introduce their school and service through internet.

This was an opportunity for myself to gain experience by working on a real-life software system. Helping to use more modern technology in any sector of my country. Helping to improve the community. Interest in doing community service.

## 6. Software Specifications Technologies:

The technologies used in this software system are:

**Html:** for front end functionality.

**Css:** for styling the front end.

**JavaScript:** for making the system dynamic.

**Bootstrap:** for making the system responsive for different type of devices.

**Laravel:** for backend functionality.

**Mysql:** for database management

**Development Environment (IDE):** Visual Studio Code

**Proposal Details:** ( NanoNet's Course Management System)

**Student's Name:** Mohammad Eshaq Esmaily

**ID NO:** 5939

**Semester:** 7th Semester

**Department:** Software Engineering

**Contact NO:** 0796516096

**E-Mail:** eshaquesmaily365@gmail.com

**Supervisor Instructor:** Mr. Ehsan Hasin

**Student Signature:**

**Supervisor Instructor Signature:**

**Head of Department signature:**