PROJECT OBJECTIVES

The primary objective of the Development of PIO ISKOLAR: A Web-based Records Management System with Online Document Submission for Dr. Pio Valenzuela Scholarship Program is to develop a comprehensive platform that streamlines the document submission for scholars and for the scholarship coordinator of the Dr. Pio Valenzuela Scholarship Program to receive, review, and manage scholar records. This platform serves to enhance efficiency and convenience by consolidating these tasks into a single, user-friendly interface.

PIO ISKOLAR aims to provide the scholarship coordinator with a robust system for managing scholar records effectively. This system is designed to simplify the process of tracking scholar information, ensuring that all necessary documents are submitted and reviewed promptly.

Upon completion, the system will be exclusively utilized by the scholarship coordinator of the Dr. Pio Valenzuela Scholarship Program. Its implementation will significantly improve the management of scholar records, ultimately enhancing the overall administration of the scholarship program.

To accomplish this, PIO ISKOLAR requires the following features:

1. To develop the system entitled Development of PIO ISKOLAR: A Web-based Records Management System with Online Document Submission for Dr. Pio Valenzuela Scholarship Program it offers specific functions for its user roles:
    a. Scholars
        i. Scholars can log in to the system.
        ii. Scholars can change their password when forgotten.
        iii. Scholars can view announcements and its information.
        iv. Scholars can upload scholarly required documents.

v. Scholars can remove submitted documents as long as it has not been validated by the scholarship coordinator.
vi. Scholars can view their profile.
vii. Scholars can view submission history.
viii. Scholars can log out of the system.

b. Scholarship Coordinator
i. Scholarship Coordinator can create their account.
ii. Scholarship Coordinator can log in to the system.
iii. Scholarship Coordinator can update/create new announcements.
iv. Scholarship Coordinator can view list of scholars per batch together with its submitted documents.
v. Scholarship Coordinator can validate and update documents status of the scholars.
vi. Scholarship Coordinator can update status of the Scholars.
vii. Scholarship Coordinator can generate reports.
viii. Scholarship Coordinator can log out of the system.

2. To develop a system that enables the scholarship coordinator to generate various types of reports including:
   a. Scholar Status Report
   b. Scholar Profile and Requirement Report
   c. Program Statistics Reports
3. To develop PIO ISKOLAR developers will use:
   a. HTML – Markup language used for creating the structure of web pages.
   b. CSS – Style sheet language for describing the presentation of HTML documents.

c. JavaScript – High-level, interpreted programming language used for making web pages interactive.

d. AJAX/Fetch API – Techniques for asynchronously sending and receiving data from a web server without interfering with the display and behavior of the existing page.

e. PHP – Server-side scripting language for web development, commonly used for creating dynamic web pages.

f. MySQL/MariaDB – Relational database management system used for storing and managing structured data.

g. XAMPP – Cross-platform web server solution stack package, consisting mainly of Apache HTTP Server, MySQL database, and interpreters for scripts written in PHP and Perl.

h. Email Integration - email functionality into a software application, allowing users to send, receive, and manage emails within the system's interface.

4. To evaluate PIO ISKOLAR based on ISO/IEC 25010

   a. Functional Suitability

      i. Functional correctness - Degree to which a product or system provides accurate results when used by intended users.

   b. Performance Efficiency

      i. Capacity - Degree to which the maximum limits of a product or system parameter meet requirements.

   c. Compatibility

      i. Interoperability: The system should be compatible with different web browsers and operating systems commonly used by students, faculty, and staff, ensuring access and usability across various platforms.

d. Usability
    i. Learnability - Degree to which the functions of a product or system can be learnt to be used by specified users within a specified amount of time.
e. Reliability
    i. Availability - Degree to which a system, product or component is operational and accessible when required for use.
f. Security
    i. Confidentiality - Degree to which a product or system ensures that data are accessible only to those authorized to have access.
g. Maintainability
    i. Reusability - Degree to which a product can be used as an asset in more than one system, or in building other assets.
h. Portability
    i. Adaptability - Degree to which a product or system can effectively and efficiently be adapted for or transferred to different hardware, software or other operational or usage environments.