

Bicol University  
College of Science  
Rizal Avenue, Legazpi City, Albay

# Library Management System

Nestor Rafael N. Oscillada

Raul Barquilla Jr.

Jan Vincent B. Rada

Paul Marren F. Claveron

Marco Joaquin V. Barcela

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## ***A. Problems, Opportunities, and Objectives***

### **Project Description**

A Library Management System (LMS) is a software that automates and replicates the operations of an actual library. The software has two sides: the librarian side, and the student side. For the student, they can search for available books in the library where they can prompt for a request to borrow what they want. For the librarian side, they are able to track the books owned by the library. They can also see the borrowed books and the student borrowing them.

### **Project Goals**

To develop a Library Management System with automation capabilities where it is capable of providing access to both admin and student side in getting information on library materials: books, reference authors, and book IDs. It should also inform the student of the following: books borrowed, borrowed date and a return ID. With this features, it should lessen the burden for students to send a borrow request by making it possible digitally. The LMS should be able to organize information properly with a visual representation of data found on the library system. It should have a model made with long-term usage in mind to extend its software lifetime while also not cluttering the library database.

### **Project Objectives**

The purpose of the project is to build a software that can reduce the manual work for managing book requests, records, book lists, and track every request a student will make. To achieve the said purpose using methods that are time-efficient and cost-effective.

### **Scope and Delimitation**

This project focuses on the development and implementation of a school-based Library Management System that will assist students in finding books and authors while also being

conveniently managed by administrators. If a student does not know how to use the system, they may inquire for a guide.