

## **PYTHON**

# **Assignment**

# **Library Management System**

**Description:** Develop a Library Management System using Python modules and packages. The system should allow users to manage books, members, and borrowing records.

#### **Features:**

#### 1. Books Module:

- o Functions to add, update, delete, and search for books.
- Track the availability of books.

#### 2. Members Module:

- o Functions to add, update, delete, and search for members.
- Track member borrowing history.

### 3. Borrowing Module:

- o Record when a book is borrowed or returned.
- o Implement a due date system and calculate fines for late returns.

### 4. Package Structure:

- o Create a package called library\_management containing subpackages or modules for books, members, and borrowing.
- o Use an init .py file to initialize the package.

#### 5. User Interface:

 Implement a simple command-line interface for users to interact with the system.



## **Package and Module Structure:**