**Lab Assignment-7**

In a Library Management System (LMS), various reports are essential to help different authorities manage and analyze library operations effectively.

**Cataloging Reports:**

Required Data:

Book Title ,Author,ISBN,Genre,Publication Date

Layout:

Alphabetical order by book title or author,Categorized by genre

**Circulation Reports**:

Required Data:

Borrower's name,Book Title,Due Date,Return Date

Layout:

Overdue books,Most borrowed books

**Acquisition Reports:**

Required Data:Purchase Order Number**,**Vendor Name

Title,Quantity,Cost

Layout:

Expenses by vendor,Most expensive acquisitions

**Financial Reports:**

Required Data:

Revenue from fines,Revenue from book sales,Total expenses,Budget allocation

Layout:

Pie charts for revenue distribution,Bar graphs for expenses

**User Activity Reports:**

Required Data:

Number of registered users,User login/logout times,Most active users

Layout:

Line graph for user activity over time,Top users by activity

**Inventory Reports**:

Required Data:

Total number of books,Available copies,Damaged or lost books

Layout:

Bar chart for book availability,List of damaged or lost books

**Usage Statistics Reports:**

Required Data:

Number of books checked out daily/weekly/monthly,Most popular genres,Average reading time

Layout:

Line graphs for daily/weekly/monthly usage,Pie chart for genre distribution

**Staff Performance Reports:**

Required Data:

Number of books processed by staff,Efficiency in handling user requests,Response time to user queries

Layout:

Bar chart for books processed,Efficiency percentages

**Reservation Reports**:

Required Data:

Number of book reservations,Popular books on reservation,Waiting list information.