LIBRARY MANAGEMENT SYSTEM: DESIGN AND IMPLEMENTATION

Prepared by:

Satvik Raj Gupta (2018kucp1095)

Inderjeet (2018kucp1098)

Priyal Bansal (2018kucp1119)

Dhairya Patel (2018kucp1118)

ABSTRACT

This report describes our group's implementation of a library management system. We used the Entity-Relationship model to design a database that will store and organize the library's data. We have created the database using SQL and populated it with some sample data. The system can keep track of library cards, customers, librarians, library locations, books and the relationships between them. Using php Server Pages, we have created an Internet-based graphical user interface that allows customers and librarians to access the system remotely.

RELATIONAL DATABASE DESIGN

Tables:

1) login

Id	Password
varchar(15)	INT(5)

2) Student_details

Student_id	Student_Name	Date_of_Birth	Department	Contact_Number
varchar(15)	varchar(50)	date	char(10)	Varchar(10)

3) Book_Details

ISBN_Code	Book_Title	Language	No_Copies_Actual	No_Copies_Current	Category_Name	Publication_year
INT	Varchar(30)	Varchar(30)	INT	INT	Vartchar (20)	INT

4) Borrower_Details

Borrower_Id	Borrowed_From	Return_Date	ISBN_Code
Varchar(15)	Date	Date	INT

5) Shelf_Details

Shelf_id	Floor	ISBN_Code
Varchar(10)	INT	INT

Snapshots

Library Management System

localhost/Library_Management_System/Homepage.html

Apps | Gmail | WhatsApp | Hackathons, Progra... | Codeforces | Programming Com... | LeetCode - The Wo... | Design & Build Hig... | Sphere Online Judg... | Archived Problems... | JetBrains: Develope...

Indian Institute of Information Technology Kota

- Home Page
- Login
- Collection Development Division
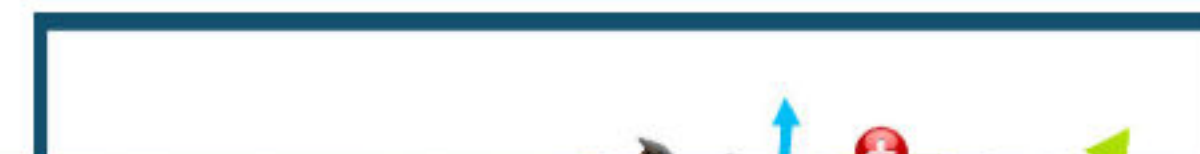- Electonic Resources Division
- Important Links
- About Us

Library Management System

Welcome to the Online Library

A service dedicated to students of the Indian Institute Of Information Technology's learning community. We provide online resources, professional support and guidance to all our students whenever, and from wherever they have chosen to study.
Institute has a reference section of the best titles relevant to various disciplines – CSE, ECE, Mathematics, Humanity and Social Sciences, etc.

Announcement

localhost/Library_Management_System/Login.php

Indian Institute of Information Technology Kota

Home Page

Login

Collection Development Division

Electonic Resources Division

Important Links

About Us

Log In Here

Identity Number

Enter ID

Password

Enter Password

sign In

Type here to search

ENG
22:45
03-11-2019

Collection Development Division

localhost/Library_Management_System/Collection_Dev.html

Apps   Gmail   WhatsApp   Hackathons, Progra...   Codeforces   Programming Com...   LeetCode - The Wo...   Design & Build Hig...   Sphere Online Judg...   Archived Problems...   JetBrains: Develope...

Indian Institute of Information Technology Kota

Home Page

Login

Collection Development Division

Electonic Resources Division

Important Links

About Us

Collection Development Division

The Collection Development Division focuses on

- The acquisitions of library materials i.e. Books and eBooks
- The interrelated processes of collection planning and building a useful and balanced collection of library materials over a period of time

Acquisition work means the method by which the documents are added to the library. Hence this division performs selection of documents (books and eBooks) and acquiring them by means of procurement, gift, exchange, membership, etc. There are several distinct acquisition functions like selection, verification, vendor assignment, ordering, claiming and cancelling, receiving, accessioning, providing information to indenters regarding status of ordered document making payment, bill processing and maintenance of statistical records pertaining to procurement etc. are performed by this division.

Collection development is based on ongoing assessments of the information needs of library stakeholders, usage statistics analysis, and demographic projections.
The specialized interests of the division include ownership vs. access, open access content, resource scholarly communication, and taking advantage of latest technologies to facilitate collection development and acquisitions.

localhost/Library_Management_System/Elecronic_Dev.html

Electonic Resources Division

Indian Institute of Information Technology Kota

Home Page

Login

Collection Development Division

Electonic Resources Division

Important Links

About Us

Electonic Resources

NPTEL

National Programme on Technology

National Digital Library

Ministry of Human Resource

IEEE Xplore Digital Library

The IEEE Xplore digital library is a

National Digital Library of India

IEEE Xplore® Digital Library

https://ndl.iitkgp.ac.in

Type here to search

ENG 22:45 03-11-2019

localhost/Library_Management_System/AdminLogin.html#

!!!K

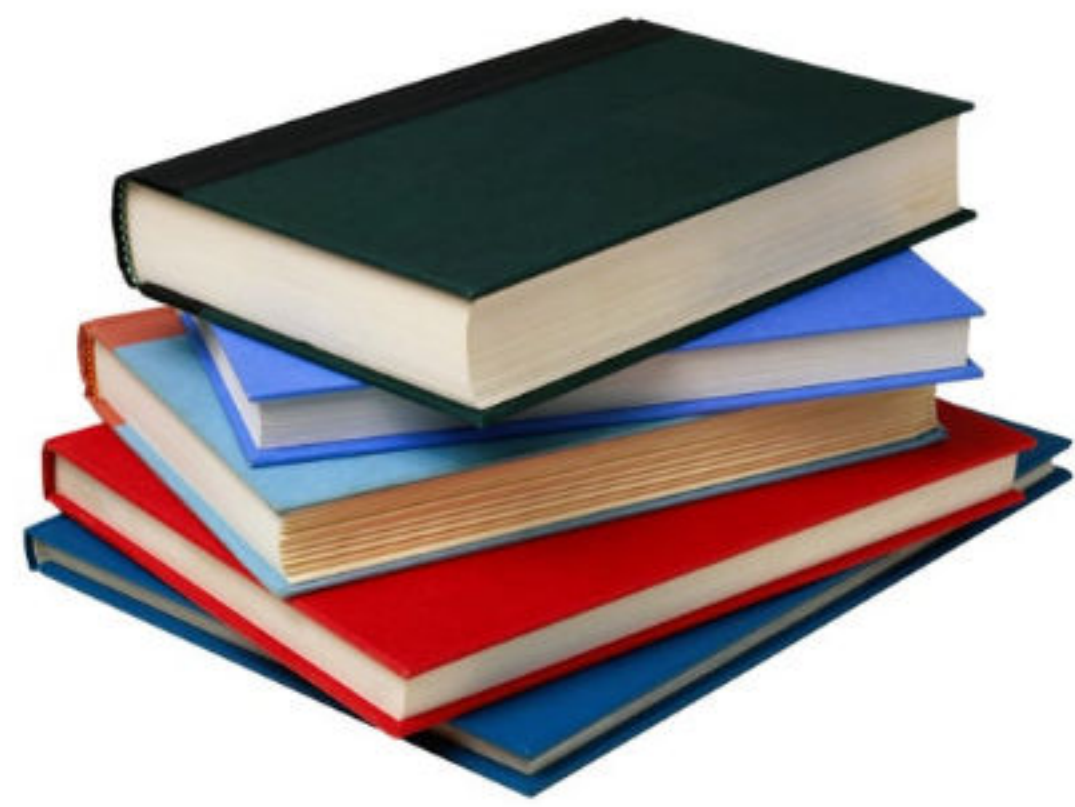**Indian Institute of Information Technology Kota**

Administrator Home

New Student Registration

New Book Entry

Student Record

Book Record

Book Issue

Book Deposit

Log Out

Administrator

New Student Registration

New Book Entry

Student Record

localhost/Library_Management_System/Student_Reg.php

New Student Registration

Indian Institute of Information Technology Kota

Administrator Home

New Student Registration

New Book Entry

Student Record

Book Record

Book Issue

Book Deposit

Log Out

Student Name

Student ID

Date Of Birth

dd-mm-yyyy

Department/Branch

Contact Number

Submit

localhost/Library_Management_System/Book_Entry.php

Indian Institute of Information Technology Kota

Administrator Home

New Student Registration

New Book Entry

Student Record

Book Record

Book Issue

Book Deposit

Log Out

New Book Entry

Book Title

ISBN Code

Publication Year

Language

Category Name

No Of Copies Actual

Indian Institute of Information Technology Kota

Administrator Home

New Student Registration

New Book Entry

Student Record

Book Record

Book Issue

Book Deposit

Log Out

Student Record

Student ID

Submit

Student Details

Student ID :- 2018kucp1095

Student Name:- Satvik Gupta

localhost/Library_Management_System/Book_Record.php

Indian Institute of Information Technology Kota

- Administrator Home
- New Student Registration
- New Book Entry
- Student Record
- Book Record
- Book Issue
- Book Deposit
- Log Out

Book Record

ISBN Code

Submit

BOOK Details

ISBN Code :- 6

Book Title :- Programming Concept

localhost/Library_Management_System/Book_Issue.php

Indian Institute of Information Technology Kota

Administrator Home

New Student Registration

New Book Entry

Student Record

Book Record

Book Issue

Book Deposit

Log Out

Book Issue

ISBN Code

Student ID

Borrowed On

dd-mm-yyyy

Actual Return Date

dd-mm-yyyy

Submit

Book Deposit × +

localhost/Library_Management_System/Book_Deposit.php

Apps   Gmail   WhatsApp   Hackathons, Progra...   Codeforces   Programming Com...   LeetCode - The Wo...   Design & Build Hig...   Sphere Online Judg...   Archived Problems...   JetBrains: Develope...

Indian Institute of Information Technology Kota

Administrator Home

New Student Registration

New Book Entry

Student Record

Book Record

Book Issue

Book Deposit

Log Out

Book Deposit

ISBN Code

Student ID

Return Date

dd-mm-yyyy

Submit

localhost/Library_Management_System/Student_Login.html#

Student Login

![IIITK logo]

Indian Institute of Information Technology Kota

Student Home

Books Issued

Current Library Collection

Log Out

Books Issued

Current Library Collection

localhost/Library_Management_System/Student_Issue.php

Indian Institute of Information Technology Kota

Student Home

Books Issued

Current Library Collection

Log Out

Books Issued

Student ID

Submit

Student Details

Student ID :- 2018kucp1095

Student Name:- Satvik Gupta
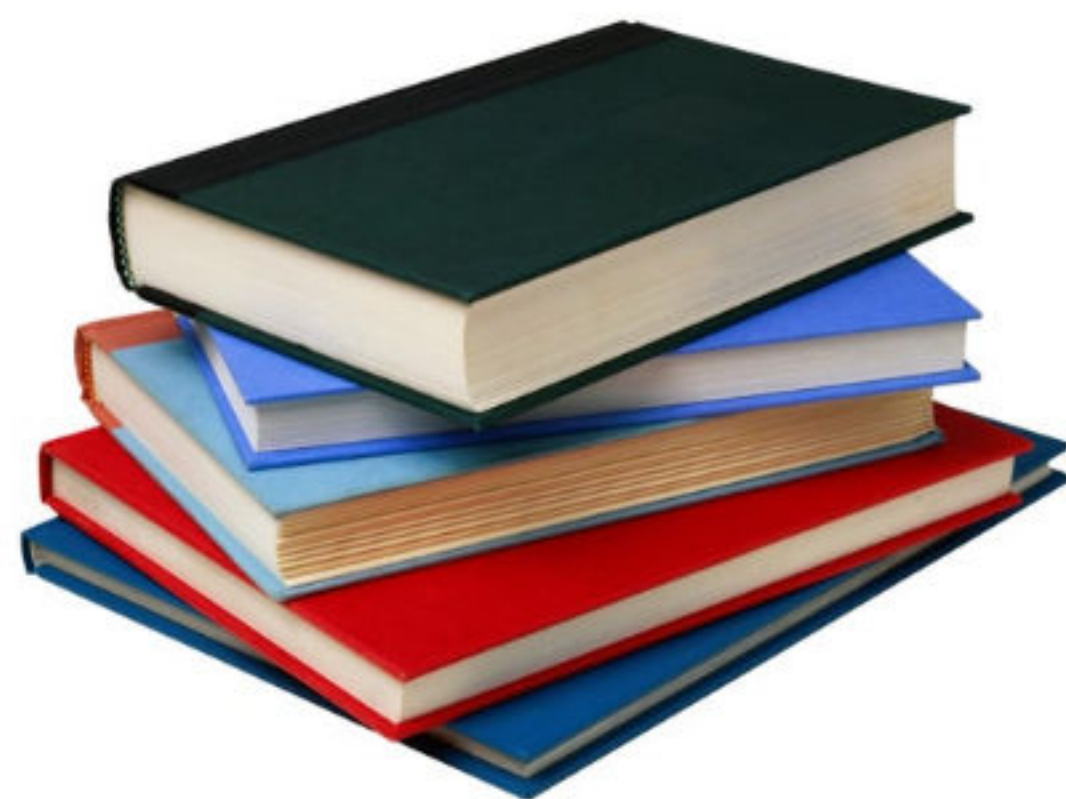
Current Library Collection

Indian Institute of Information Technology Kota

ISBN Code	Book Title	Language	No Of Copies Current	Category Name	Publication Year
6	Programming Concept	c++	14	Programming	2006
7	Database System Concepts	DBMS	10	Database	2016