# Project Proposal for Library Management System

*Title of the Project* : Library Management System

*Objectives*: The aim of the project is to prepare a web based automation system for the RIT library with Online Public Access Catalogue (OPAC).

*Project area and Task description*:-

This project " LIBRARY MANAGEMENT SYSTEM" is targeted towards the management of a modern library. All the book details are provided through an Online Public Access Catalogue visible throughout the local intranet. Proper management and audit of books is possible through an easy to use interface for the library staff.

Throughout the project the focus has been on presenting information and comments in an easy and intelligible manner. The project is targeted to be useful for both the library staff and also the borrowers.

Modern techniques like automatic data entry helpers and barcode scanners are used to minimize errors in the system.

*Main Modules*:-

MEMBERSHIP MANAGEMENT: To manage the users of the library system, their categories, restrictions etc.

BOOK MANAGEMENT: To manage the books in the issue and also the reference section, their classification, department wise distribution, single title calculation etc.

SERIAL MANAGEMENT: To manage the periodicals.

DIGITAL CONTENT MANAGEMENT: CD catalogue for serial disks, support disks of books and ebooks available in the library.

OPAC: This is the most visible part of the software through which we can search books under various criteria like author, title, subject, classification etc.

REPORTING: Several reports in different formats will be prepared and submitted to the respective authorities. Every user would be able to find out their history and current borrowing.

TRANSACTION SECTION MANAGEMENT: To manage lending and returning of books either normally or through special permission.

*Tools, Platforms, OS and Languages used*:-

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|---|---|
| OS: | Windows XP |
| IDE: | Visual Studio 2008 Express Edition with SP1 |
| Framework: | .NET framework 3.5 |
| Language: | C# |
| Database: | Oracle 10g Express Edition |

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