

Library Book Management System

Book Acquisition Management

Team 21

Problem Statement

Upgradation of IITH Library Management system through the automation of the book acquisition process.

Functional Requirements

- Generation of indents
- Generation of Requests for Quotation
- Generation of Comparative Sheet and identification L1 vendors
- Allow staff members to view status of indents

Individual Contributions

- Nisha M(cs19btech11012@iith.ac.in)
 - Development of UI functionality to generate the indent and save it as a PDF document for the indentation plugin.
 - Development of UI functionality to generate the quotation request and save it as a excel sheet for the quotation plugin.
- Rewant Raj (cs19btech11055@iith.ac.in)
 - Development of Indentation and Quotation plugin, and Comparative Sheet Generator
 - Testing of Quotation plugin and Comparative Sheet Generator
- Siddharth Singh Ahluwalia(cs19btech11056@iith.ac.in)
 - Development of Indentation, Status and Quotation plugin and Testing Environment
 - Testing of Indentation, Status and Quotation plugin
- Sravanthi M (es19btech11007@iith.ac.in)
 - Development of indentation plugin - saving the PDF in format as required by the library
 - Development of quotation plugin - saving the Excel file in same format as required by the library

Implementation Details

- I. Number of lines of Code written - 2110
- II. Language(s) used - Javascript, HTML, CSS, Perl, Perl Template Toolkit, Python, SQL
- III. Number of test cases written for use cases - 15
- IV. Database systems - MySQL/MariaDB (existing Koha DBMS)
- V. List of existing tools/plugins/software systems used - Koha ILMS, Koha Kitchen Sink plugin by Bywater Solutions, Koha Testing Docker, pytest, Git, OPAC and Staff interfaces of Koha free demo sites (ByWater Solutions, Catalyst IT Ltd. (Australia), etc.)

Thank You
