



AN EFFECTIVE USE OF E-GRANTHALAYA IN INDIAN LIBRARIES

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ABSTRACT

e-Granthalaya is a Computerized Stage created by Public Informatics Community, Service of Gadgets and Data Innovation, Legislature of India for Government Libraries. e-Granthalaya is an Incorporated Library The board Programming created by NIC for Computerization and Systems administration of Government Libraries. The Ongoing Rendition is 4.0 which is a Cloud Prepared Application to work with online information section with an Incorporated Data set. Koha and Newgenlib use complicated technology, whereas e-Granthalaya uses straightforward technology, making installation simple. In any case, e-Granthalaya utilizes just business programming and run exclusively on Windows stages, that why cost association is there to run the application. Koha and Newgenlib use complicated technology, whereas e-Granthalaya uses straightforward technology, making installation simple. However, e-Granthalaya only runs on Windows platforms and uses commercial software, so running the application incurs costs. Nonetheless, e-Granthalaya is useful for converting traditional libraries into e-Libraries with Digital Library Services and for providing various online member services via Single.



KEYWORDS : *Open source, Digital Library, Digital Library Management Software, Information Dissemination.*

INTRODUCTION

e-Granthalaya: A Computerized Plan for Robotization and Systems administration of Government Libraries - is an application created in NIC for Computerization design is and being carried out in Government Libraries beginning around 2003. The ongoing rendition of the product is 4.0 which is a 'Cloud Prepared Application', facilitated in NIC Cloud and Government libraries are involving it for On the web/LIVE administrations. The e-Granthalaya is a comprehensive solution for converting a traditional library into an e-library with digital library integration. Koha and Newgenlib use complicated technology, whereas e-Granthalaya uses straightforward technology, making installation simple. In any case, e-Granthalaya utilizes just business programming and run exclusively on Windows stages, that why cost association is there to run the application. a computerized library management software for government libraries. The software offers libraries a web-based data entry solution. The software creates e-Catalogs of library documents and offers members a variety of online services. The Application is accessible at NIC Cloud for online usage by enrolled libraries.

e-Granthalaya: The National Informatics Centre, Ministry of Electronics and Information Technology, Government of India, developed and maintains the Digital Platform A Digital Agenda for Automation and Networking of Government Libraries. Under the stage, NIC Furnishes Library The board Programming with Advanced Library Module and Cloud Facilitating office to Government Libraries on demand premise. The software is compatible with the cloud; and serves as the back-end solution PostgreSQL, an open-source database management system. The software adheres to library standards, is multilingual, UNICODE-compliant, and offers an online data entry solution.

Objectives of The Study:

- To examine how to use E-Granthalaya to create and update the "Shri Narayan Prasad Awashti Government Ayurvedic College"'s book and other resource database.
- To survey the execution of robotized framework utilizing E-Granthalaya library The board programming.
- To monitor the circulation section's charging and discharging processes and provide a variety of search options in order to comprehend the library's book supply.

E-Granthayalya

The software for automating libraries known as E-Granthalaya comes from the Indian government's Centre, Department of Electronics and Information Technology, Ministry of Communications and Information Technology. A group of experts from the software and Library and Information Science fields created the software. The libraries can automate both internal operations and user services with this software. The product can be carried out either in independent or in client-server mode where data set and WebOPAC are introduced on the server PC while the information section program is introduced on client computers. For a group of libraries, the software offers local, LAN, and WAN-based data entry solutions that enable the creation of a centralized database with Union Catalog output. To publish the library catalog over the Internet or intranet, the software provides a Web OPAC interface. The most recent version of e-granthalaya, version 3.0, is Unicode-compliant and only runs on Windows platforms. As a result, it supports data entry in the local language. MS SQL Server (any edition) is used as the back-end solution in e-Granthalaya 3.0, and the express edition of SQL Server is included free of charge with the software. The e-Granthalaya's next higher version, Ver. 4.0, is currently in development and will be released in the fourth quarter of 2014. A Web-based enterprise mode of e-Granthalaya Ver.4.0 will offer a cluster of libraries access to a centralized database. Back-end database solutions like PostgreSQL and MS SQL Server will be used in e-Granthalaya 4.0, which will also be accessible to government libraries through the NIC cloud computing environment.

Libraries are social institutions because they offer a variety of services to patrons and citizens of a city or nation. Since the beginning, they have been an essential component of society's educational system. Libraries are now an essential component of not only educational institutions but also other government structures like ministries, departments, district centers, and so on in modern India. Given the large number of public and government libraries in India and the high cost of commercial software, it is essential to offer free support, training, and services in addition to free software. NIC has been a trailblazer source to design, create and uphold ICT instruments and administrations for the Indian Libraries since its presence as the last option are indispensable part/divisions of the ministries, offices and other Government associations. Indian libraries received the Techlib Plus / Bassis Plus software from NIC between 1994 and 2000. In 2002, it was discovered that NIC had created library automation software for over 30 government departments. All of this software was created by NIC groups for their respective ministries without adhering to Indian library standards, regulations, or practices. Later, the Committee established under the chairmanship made the decision.

History e-Granthalaya

At the "Karnataka State Centre NIC, Bangalore," e-Granthalaya began as an internal project, and the initial version of the software was designed for the State's public libraries. After that, the "Library and Informatics Services Division" at NIC HQ took over the software design, involving library professionals in the process. As a result, the software got a better user interface and made it easier to work with library functions, making it suitable for all kinds of libraries. The extravagance in information has changed admittance strategies for all stake holders in recovering information and relevant information. A study of three open-source digital library management applications used to gather and disseminate information to a global audience is presented in this paper. The following methodology involves conducting an online survey and examining technical manuals related to software documentation.

Open source characterizes strategy for programming advancement, that harnesses the force of appropriated peer audit and transparency of progress.

1. This approach contributes to the provision of software of higher quality that is more dependable, flexible, and affordable while also putting an end to the traditional vendor lock-in. A free software license allows developers and users to study, modify, improve, and occasionally distribute the software
2. A digital library is a collection of electronic resources that are accessible through the World Wide Web. Previously, the rights and source code were reserved for copyright holders. It frequently includes electronic versions of books, images, and videos that belong to a "physical" library.
3. A system for the creation and presentation of information collections is presented by open source digital library software. It assists in building collections with looking and metadata-based browsing facilities. In addition, they are simple to maintain and can be automatically upgraded and rebuilt. Organizations now have novel options for acquiring and implementing systems due to the availability of numerous Open Source Software (OSS) applications for library and information management. This paper will discuss the following Open Source Library and Information Management Software applications:
 - ✓ Dspace
 - ✓ Advanced Library The board Framework
 - ✓ E-Granthalaya

e-Granthalaya launched?

The National Informatics Centre's product e-Granthalaya is intended to automate library services and activities. The Karnataka State Unit of NIC released the initial version of the software in 2002 to automate public libraries in Karnataka. The Ongoing Rendition is 4.0 which is a Cloud Prepared Application to work with online information section with an Incorporated Data set. Construct Your Computerized Library and Storehouse of full-text Articles and digital books. Koha and Newgenlib use complicated technology, whereas e-Granthalaya uses straightforward technology, making installation simple. In any case, e-Granthalaya utilizes just business programming and run exclusively on Windows stages, that why cost association is there to run the application.

e-Granthalaya in library science?

The Digital Platform known as e-Granthalaya was developed by the National Informatics Centre, Ministry of Electronics and Information Technology, Government of India, for use by Government Libraries in order to automate internal processes, provide member services, and network for the sharing of resources.

The purpose of e-Granthalaya?

e-Granthalaya is useful for converting traditional libraries into e-Libraries with Digital Library Services, which include digital library integration, automation of in-house library activities, and the provision of a variety of online member services through the use of a Single Window Access System. The most recent version of e-Granthalaya, Version.

About e-Granthalaya

- e-Granthalaya is an Integrated Library Management Software developed in NIC for Automation and Networking of Indian Libraries.
- The current version of the software is 4.0 – a Cloud Ready Application
- Provides a Web-based data entry solution with a Centralized Database for cluster of Libraries
- Hosting charges and services as per Government policy
- Minimum data entry with integrated modules
- User needs working Desktops with Net Connectivity Only to access the application online.

Features at a Glance

- Common Application for Libraries
- Multi-Tenancy with Single-Sign up Interface
- Support Data Exchange standards
- Download Catalog Records from Internet
- Digital Library Options
- E-Books manager with e-Books Viewer
- Standard Workflow with UserDefined Data Entry Format
- Customizable Business Rules for Circulation Module – Issue/Return of Books

The major features of e-Granthalaya?

Features At a Glance Features At a Glance

- Makes use of PostgreSQL, an open-source database management system.
- Offers an Online Data Entry Solution
- •UNICODE Consistent, upholds information passage in neighborhood language.
- Module - Proper Software User Permission
- Work-stream according to Indian Libraries.

NIC created the integrated library management software known as e-Granthalaya to automate and network government libraries. The Ongoing Rendition is 4.0 which is a Cloud Prepared Application to work with online information section with an Incorporated Data set.

WHY E-GRANTHALAYA?

It is a solid and each one-time access for search and oversees information bases on a simple PC setup. The alternatives are free and focused on quality. All that the area requires are computers with Web programs empowered. Public Informatics Community (NIC), New Delhi will provide totally free data set. E-Granthalaya, a world-class bibliographic search and retrieval software that provides access to databases through Internet search services, offers sophisticated online searching features like auto-indexes, varied record display, and automatic searching of singular/plural forms and compound words. One can use E-Granthalaya in the easiest way possible. By handling data in an error-free format, it will assist in database maintenance. Information mistakes, missing fields and invalid records are amended following getting the messages from client end.

E-Granthalaya Consists Of Varied Modules Such As:

Administrator MODULE: - Administrator module is utilized for making clients, setting their authorizations, making section of the default values inside the expert tables then, at that point, utilizing such qualities inside the ensuing modules.

This module has the following menu as well as the submenu System data Master data. • It has space for adding, editing, and deleting.

- Users who will use the software • Bibliographic level/type of document

- Acquisition modes/copy status
- Countries/types of binding
- Courny Codes
- Publishers/Vendors/Journal Frequencies/Languages
- Messages and Text for reports/letters
- Sections/Subjects/Library committees

The product e-Granthalaya is from the National Informatics Centre and was made to automate library services and activities. The Karnataka State Unit of NIC released the initial version of the software in 2002 to automate public libraries in the state of Karnataka. With the addition of new features and improvements, version 2.0 is now available for use in government and special libraries. The product is being dispersed at no expense for all the Public authority/Public libraries under the e-Administration development of NIC. Members of the consortium can also request free implementation, support, training, or upgrades to their library automation. The software was developed using Microsoft Technologies; the front-end was developed using Visual Basic 6.0, and MS SQL Server 2000/2005 was utilized for the back-end. ASP technology has been used to populate the library data over the Intranet and Internet for the web interface.

Digital Library Management Systems

In the past few years, digital libraries have undergone significant development. They are now more than just the digital equivalent of physical libraries, museums, video collections, etc.; rather, they are intricately networked systems that are able to facilitate communication and collaboration among various, globally dispersed user communities. Since DigitalLibrary's inception the system for managing digital libraries has developed. By incorporating functionality that is fundamental to digital libraries and making room for the integration of additional software that offers functionality that is more refined and advanced, the digital library management system provides the appropriate framework for both the production and administration of the digital library system. Thus, content can be loaded or harvested after a Digital Library Management System has been set up and implemented. The process of setting up a digital library that guarantees better service is substantially simplified and reduced by this strategy. Even though they only partially implement the designed DLMS features, these generic systems began to appear in the second half of the 1990s. The significant qualities that recognize them from each other are the class of usefulness offered, the type of object model for data being upheld, and the openness of their engineering's

CONCLUSION:

The library used E-Granthalaya, a more advanced and user-friendly search engine, to implement its new system. The E-Granthalaya programming runs on Microsoft SQL Server 2000 (or more) as backend and Visual Fundamental 6 as frontend. The WebOPAC is connected to the LAN. The user can look through their exchange at their work area. They will investigate the book's current state. The client likewise can know the fresh debuts in their intrigued subject. The report can be entered in a few modules of the E-granthalaya programming. Monographs and Serials are the two main sections of this software. Monograph is utilized to enter books, reports, reprints etc. and the Serials area is utilized to enter the diary subtleties. Although many institutions spend a lot of money on hardware and software, even the most expensive system is fully integrated with the database/catalog standard. Users will have to deal with a number of issues in the retrieval system if the catalogue entries are not up to par or are written incorrectly.

A help situated proficient's lifetime of librarianship to know administration quality better and its linkages to client fulfillment and develop association inclinations that take a stab at administration greatness. IISc has, restricted its staff and each another asset, and prepared and retrained to adjust to new challenges. On the off chance that that strength can now be included confronting issues and imagination in settling them, it will be a reassuring record with which to confront the more drawn out term. Assuming entire organization of exercises related with robotization of all departmental libraries in IISc it'll be an extraordinary undertaking (We have prepared several people to establishment and customization of the E-

Granthalaya programming in IISc), which needs the participation of all concerned, yet with all eyes focused on an identical objective and optimistic mood of administration, achievement will not be simply far.

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