# e-Granthalaya

## A Digital Agenda for Library Automation and Networking



## General

"Libraries are the social institutions that play vital role in the over-all development of a nation by providing information services to the citizen of a country. In the modern education system, libraries have become an integral part which support learning and research activities. In the present era, every Government Organization has setup library internally as a service and resource centre which meets the information need of the staff for efficiently performing their dutie. There are over lakhs of libraries in the country that can be converted to a Knowledge Base Centre by implementing ICT tools and technologies. NIC has taken initiative to computerize Indian Libraries by implementing e-Granthalaya software."

## 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

- Uses Postgre SQL – An Open Source DBMS.

- Minimum data entry with integrated modules.

- User needs working Desktops with Net Connectivity Only to access the application online.

## Modules

**Data Entry Modules**

- Database Administration
- Library Administration
- Master Data Module
- Books Acquisition
- Cataloging Module
- Circulation Module
- Serials Control
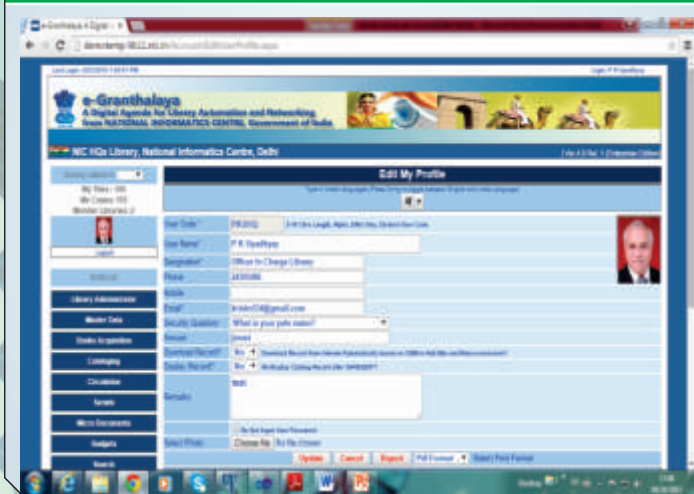- Micro-Documents Manager
- Budgets Module
- Search /OPAC

**Web OPAC Module**

- Browser based Interface
- Search Library Catalog
- Basic / Advance Search
- Uses Boolean Operators
- Federated Search
- Results get integrated with Net APIs to display details of the documents from NET
- Recent Additions in Library
- Members Services behind Login
- Access Digital Library Online.

## Features at a Glance

- Common Application for Libraries
- Multi-Tenancy with Single-Sign up Interface
- Adheres to Domain Specific Meta-Data / Cataloging Standards (AACR2/MARC)
- Support Data Exchange standards such as MARC21/MARCXML/ISO: 2709/EXCEL/CSV
- Download Catalog Records from Internet
- Built-in Z39.50 Search
- Barcode/Email/SMS/Smart Card Integration
- Digital Library Options
- E-Books manager with e-Books Viewer
- Standard Workflow with User-Defined Data Entry Format
- Customizable Business Rules for Circulation Module – Issue/Return of Books
- Multi-Volume/ Multi-Copies/Auto-Accessioning with Retro-conversion

## e-Granthalaya Data Entry Modules



## Library Member Services

- Member Login for secured / personalized access
- Online Catalog Search using any Web Browser
- SDI/CAS Services on single click
- Subject-Wise books and other reading materials
- Member due / fine / overdue
- Online Updation of Member Profile with Photo uploading
- Online Reservation / Renewal /suggestion for new books
- Search Union Catalog of other libraries
- Search WoldCat – A Library of Congress, USA Union Catalog
- Online submission of Inter-Library Loan request to other libraries

## Database Administration Module

- Manages Library Accounts
- Manages Super User / Librarian Accounts
- Manages Database Access Log
- Maintains User Profiles
- Manages Database Backup
- Migrate and Merge Databases
- Manages Data Entry Statistics of entire database being used by member libraries

## Library Administration Module

- Manages Library Staff Accounts
- Manages Module-Wise Permission to Library Staff
- Manages Library Profile with System Setting
- Manages System Data
- Manages Data Entry Formats
- Library Team Management
- Generates Notice Board for Users and Library Members
- Photo Gallery
- Receipts Management / Fund Management

## Master Data Module

- Update User Profile
- Library Committees
- Maintains Committee Members Profile
- Holiday Calendar
- Publishers Directory
- Vendors Directory
- Subject Directory
- Library Sections
- Letters Templates

## Books Acquisition Module

- Check Duplicate Titles before purchase
- Generates Approval for New Books
- Manages Books Purchasing workflow
- Gets Approval from Library Committees
- Multi-Committee Options with separate Budget Head
- Generates Orders for Vendors
- Receive Books
- Accessioning / Bulk-Accessioning
- Bills Entry

## Cataloguing Module

- Full Cataloging Options
- Retro-Conversion Data Entry
- Change Copy Status
- Status-Wise Report Generation
- Stock-Verification Management Workflow
- BarCode Labels Generation
- E-Books Manager (uploading in PDF/TIFF formats)
- Direct Data Entry Solutions for School Libraries
- Download Records from Net based on ISBN
- Download Records from NIC Catalog Databank

## Circulation Module

- Members Category / Sub-Category
- Member Registration
- Flat and Flexible Due days and Fine System
- Variable Fine rates for various type of documents
- Issue / Return /Reserve / Renewal
- Over-due Notice Generation in Print/Mail
- Member Transactions Search
- Flexible Member Fine with later payment options
- Book Bank for General/Reserved Category
- Book Circulation for Longer Period

## Serials Control

- Manages Journals and Magazine Subscriptions
- Manages Newspapers Subscription with Receiving
- Generate Approval for New Subscription/Renewal
- Manages Orders
- Schedule Maintenance
- Receiving Loose Issues
- Reminder Generation for Non-Receipt of Issues
- Bound Volumes data entry
- Barcoding of Loose Issues of Serials

## Micro-Documents Manager

- Articles Indexing from Journals/Magazines
- Chapters Indexing from Books
- News-Clipping Indexing from Newspapers
- Uploading of digital documents for online access.
- Supports PDF/HTM/TIFF/Image format for digital documents
- Distribution of News Clipping by Email
- Access of full-Text Articles/News Items online behind login.

## Digital Library / E-Books

- Digital Library Integration with Micro-Documents Manager
- Uploading of Articles/Chapters from Books possible
- News-Clipping Manager built-in
- E-Books Manager with e-Books Viewer
- Digital File Formats Supported (PDF/HTM/TIFF)
- Access of Digital Library online by Library Members
- Well Secured Access behind Login.
- Integration of Document Details from Net
- Rationing of Accessing digital documents possible.
- Uploading / Accessing digital documents are logged in the Database

## Open API Integration

- ISBN API – To download catalog Record from other e-Granthalaya Databases/Other Internet Resources.
- Z39.50 API – To download catalog Records from Z39.50 Server of Library of Congress, USA (WorldCat Project)
- Google Language API – An API from Google used for typing data in local language without installation of any tool
- eGLibnet.Gov.in API – A catalog Databank of e-Granthalaya enabled libraries (over 34 lakhs records) – for free exchange of records

## Few Important Users

- PMO Library
- President Bhavan Library
- Ministry of Defence
- Ministry of Earth Sciences
- Ministry of Food Processing Industries
- Ministry of Home Affairs
- Ministry of Non-Conventional Energy
- Ministry of Road Transport and Highways
- Ministry of Statistics and Program Implementation
- Ministry of Urban Development
- Ministry of Water Resources
- 18 Departments under Ministries
- 4 Legislative Assemblies (Delhi NCT/MP/Agartala/Karnataka)
- 1000+ Kendriya Vidyalayas
- 500+ Jawahar Navodaya Vidyalayas
- 120 Indian Army Libraries
- 54 Naval Reference Libraries
- 75 Public Libraries
- All District Public Libraries in AP
- 7 State Central Libraries
- 2 Universities
- 8 Indian Embassies
- 75 Army Public Schools
- 5 Archaeological Survey of Indian Offices
- 27 Atomic Energy Central Schools
- 4 Centre of Botanical Survey of India
- 7 Centre of Zoological Survey of India
- 75 Government Colleges

## NICSI Rolling-Out Services

- E-Granthalaya Product is empanelled in NICSI for the following services on payment basis:-

  o Training & Support

  o Basic Data Entry

  o Detailed Data Entry with Abstract

  o Data Migration

  o Resource Deployment such as Library Assistant / Library Associate and Data Entry Operator

## Implementation Map



## Useful Links

- http://egranthalaya.nic.in
- http://www.eglibnet.gov.in
- http://eg4.nic.in
- http://egranthalaya.nic.in/Forum/egforum.aspx
- http://informatics.nic.in
- http://www.nic.in
- http://niclibraries.nic.in

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