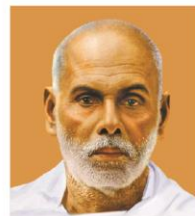
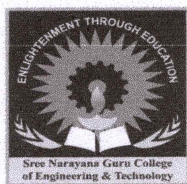


# **Sree Narayana Guru College of Engineering & Technology**

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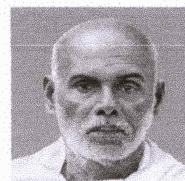
## **DETAILS OF ONLINE PUBLIC ACCESS CATALOGUE (OPAC)**



Est. 2003

## Sree Narayana Guru College of Engineering & Technology

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### DETAILS OF ONLINE PUBLIC ACCESS CATALOGUE

Library uses Book Magic Software Online Public Access Catalogue for book Search. Books can be searched by using ten different search options mentioned as Title, Author, Accession Number, Subject, Topic, Call Number, Key word, Publisher, ISBN and Series.

### DETAILS OF OPAC

Library follows an open access system with an OPAC search facility. All the members have direct access to stacks for selecting books. Through Book Magic ILMs software OPAC, members can search books using different options like Title, Author etc

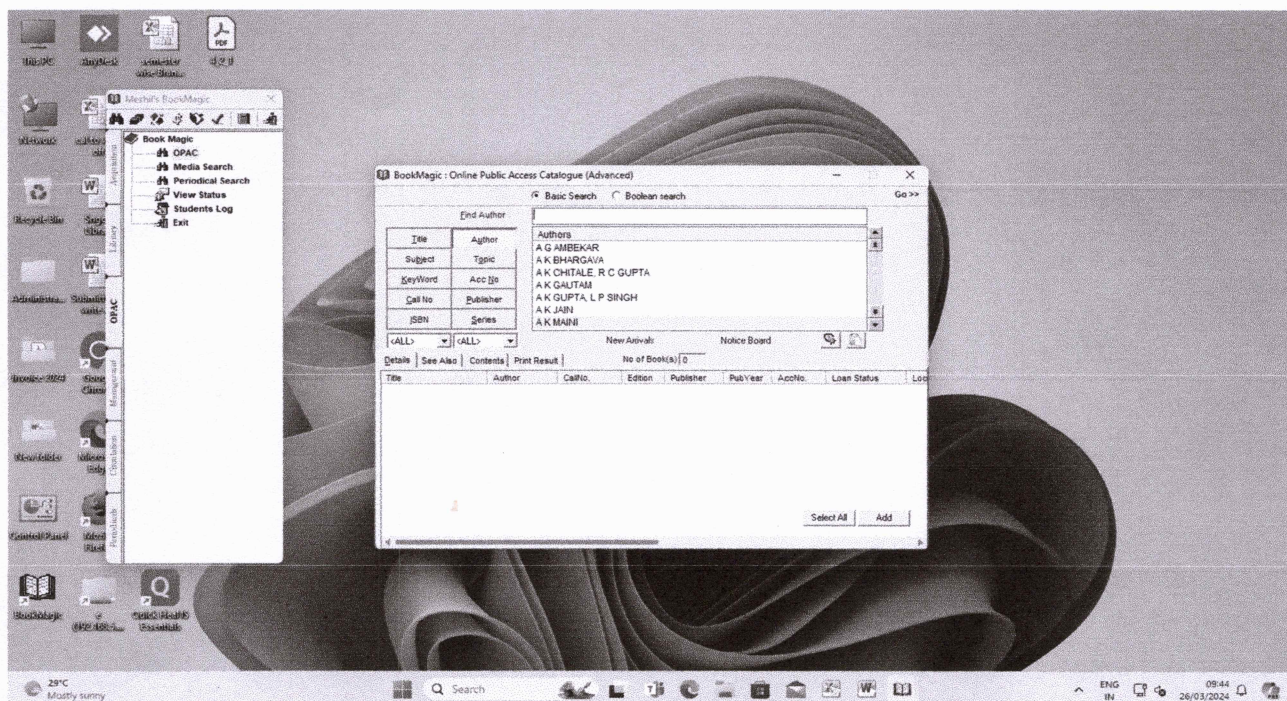



Fig 1 Searching of books using BOOK MAGIC ILMs SOFTWARE OPAC

  
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## **SPECIFICATION OF LIBRARY AUTOMATION SOFTWARE**

### **A. Desktop Application and Web Applications**

#### **1. Modules**

1. Database/Technical processing/Cataloguing module
2. Circulation/Counter transaction /Issue and return module
3. Acquisition control module
4. Serial control module
5. Administration module
6. OPAC (search) module
7. Reports module
8. Article indexing module
9. Digital library resources cataloguing module
10. Technical Information Specification

### **B. Client Server Application**

1. Front End Microsoft Visual Basic
2. Back End Microsoft SQL Server 7.0 and Above
3. Version Multi-user, LAN
4. User/Client License 5 users (Client can increase the license)

### **C. Online Application (BookMagic Web Edition and Web OPAC)**

1. Front End Microsoft ASP.Net, C#
2. Back End Microsoft SQL Server 2005 and Above
3. User/Client License Unlimited user

### **D. Highlights of Library Automation Software**

1. Client Server and Online versions available
2. Fully Integrated, multi-user, user friendly, versatile
3. Facility for importing and exporting records in MARC 21 format



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4. Supports Z39.50 protocol for searching and retrieving information from remote computer databases.
5. Export and import of data in ISO 2709 format using MARC tags
6. Integrated with RFID, Interface to barcode devices such as scanners, printers and data capturing unit.
7. Able to generate and print bar code labels and members.
8. Support TCP/IP protocol for networking
9. Web based and multi-user interface for OPAC
10. Web module can be used to search on the internet/intranet (for Client Server Version)
11. Latest IT/Web tools and techniques
12. Handle more than 1000,000 of records easily
13. Instant retrieval of data
14. Concurrent access of data by many users
15. Online stock verification support
16. search facility including Key word search, logical search and sounding word search
17. Search the library services on the campus intranet using browsers
18. Cataloguing per international standards
19. Display of records in international formats like MARC
20. Easy, flexible and efficient circulation system
21. Overdue reminder
22. Easy recording of data
23. Cataloguing the digital resources as per international standard of Dublin Core Standard
24. Separate database creation and maintenance for books, book banks, journal articles, back volumes, thesis, reports, standard codes, non-book materials etc.
25. Book ordering and serial control/tracking the stock right from identification of book or item to ordering, receipts and payments etc.
26. Provisions for changing semesters, year-outs, pass outs, issuing of NLC etc.
27. Daily statistics report for the Librarian regarding all the events in the library of sorting and printing various reports in any desired order and export into different file formats like word, excel and HTML etc.
28. Able to generate more than 300 reports
29. Complete transaction reports from web counter
30. Global update of field values, due date, cards etc.,
31. Flexible in fixing due date, overdue charge eligible cards etc.,



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32. Database security, automatic or manual backup and recovery, export and import
33. Able to browse scanned contents, pages of journal issues/books with respective records.
34. Create, edit, update, maintain etc. the database such as book, thesis, proceedings, standards, reports, journals, journal issues, journal articles, back volumes, non-book materials, patents, newspaper clippings, images, authors, publishers, suppliers, subjects, members, departments, courses, groups etc.
35. All types of counter transactions for books, book bank books, journal issues, back volumes, standards, reports thesis, non-books etc., such as issue, return renewal, recall, reservation, reservation cancel, reminders, overdue reports, receipts, non liability certificates, generating and printing interface to barcode systems etc.
36. Book ordering and processing such as checking for duplicates, indent, proposal, approval, processing, receipt of documents and invoice processing, order follow up, payment, budget control, transfer the processed details to book database, printing bar code labels, vendor information etc.,
37. Subscription of journals such as creation and maintenance of journal master, proposal and approval of journals, subscription and periodical renewal of journals, invoice processing, payment, Budget control, receipt of issues, claiming missing issues or replacements, searching/browsing issues, indexing and abstracting of journals articles, information regarding back volumes, bladdery etc.,
38. Administration like create, delete user log in ID, password, grant rights to access various modules, to set due date, to set allowed cards for different documents for different categories of users, to set overdue charge at various stages, conduct on library stock verification, maintain budget, update database globally using various fields etc.,
39. Generate and print reports such as list of books by author, title, publisher, call number, subject, accession number, availability, Books is sued/renewed/returned/reserved on daily/weekly/monthly/between dates with details, alert service of new additions details of amount spent under various subjects/departments/year etc., list of journals Indian, foreign, list of member department wise, course wise etc., details of books for binding, unserviceable, missing etc., catalogues, list of publishers, suppliers, various counter transaction reports, list of overdue charge paid by users with details of books with issue date due date number of days of due etc.,

40. OPAC of simple search, advanced search, query builder, restricted search, and dictionary based search for all the important databases using all the important fields and print search results in any desired order, etc.,
41. Web module (web Opac) to search various database using browsers like internet explorer on LAN/Intranet/Internet environment, user statistics, issue details, online reservation, down loading and printing searching results etc.,
42. Web OPAC has features such as – New Arrivals, important library News and events and Online Library Notice board (for Important Notices, Rules & Regulations and Membership procedures.).
43. Search based on more than ten fields
44. Extensive printer support
45. Icons, tool bars, scroll bars etc. as GUI
46. Automatic backup
47. Replication of data in backup server
48. Module/Form level security for different user categories.
49. User ID and password for various modules
50. Online help and user manual
51. High Security for Library Data
52. Local Service Easily Available



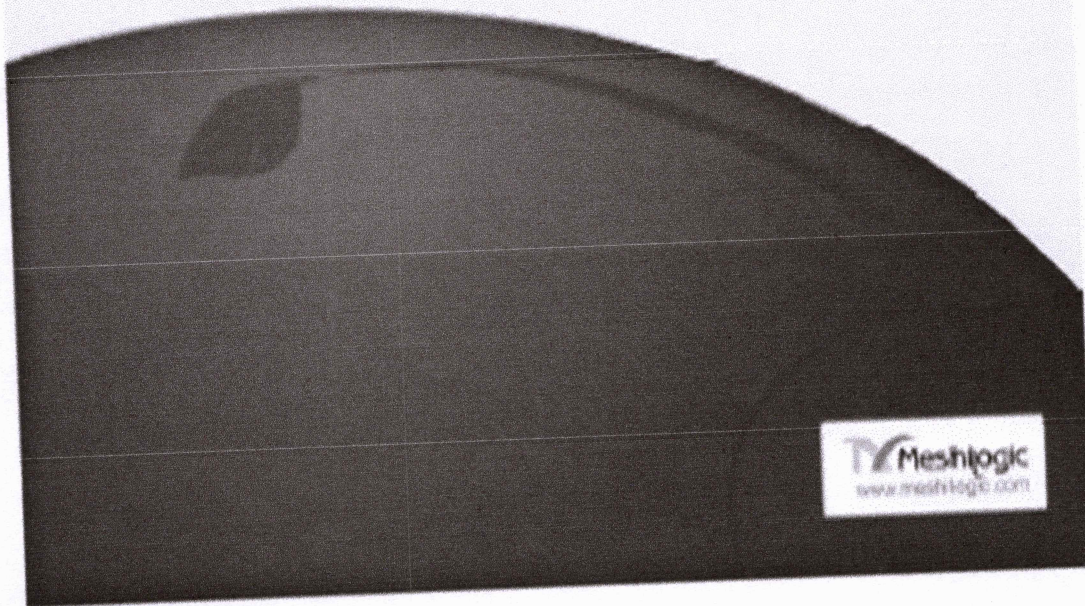
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www.meshlogic.com



# BookMagic

Integrated Library Management System



**Meshlogic**  
www.meshlogic.com

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**BookMagic**, the Library Management Software is an integrated user friendly System available as client Server and Online versions. It falls mainly under six modules. The Management, Circulation, Inquiry(OPAC), Acquisitions, Periodicals and System Administration.

### Management Module

The Management module provides cataloguing, authority file maintenance, general reports, printing facilities of barcode, Spine label & Catalogue cards. BookMagic makes cataloguing easy with simple screens and pop-up authority files that can be browsed and updated during accessioning. Automatic classification on subject selection, Purchase details need not re-enter for a batch purchase are another facility.

The information that can be recorded against each item is the Title, Authors, Collaborators, Edition details, Publication details, Physical details, GMD, ISBN, Keywords, Contents, Series, Subjects, Topics, NCA (National Curriculum Area), Language, Accession number, Classification, Suffix, Location, Loan category, Accession date, Supplier, Price & Budget dissection.

Reports: The reporting capabilities in the BookMagic are extensive and are sufficient for most libraries. In addition, a wide range of other printed outputs can be produced including Shelf wise list, Accession Register, Resource Register, Subject wise list, Classification Report, Department wise list, Barcode & Spine label printing etc.

### Circulation Module

The Circulation Module covers a wide range of features like Issues, Returns, Fines, Renewals, Reservation, Booking, Library calendar. Reports of Issue and Return, Overdue, Fines, Reserved list, Borrower history, Daily issue/return list, etc. Issue/Return processes can be done simply either by using barcode or RFID or manual entry.

This module facilitates recording of Borrower information including Name, Borrower number, Department, Scholastic year, Roll class, Loan limits, Loan category, Address, Photo & E-mail. Settings of fine, category wise modification facilities also incorporated. The system ensure that the borrower has no overdue loans, the maximum number of loan items is not exceeded, the item is not already been on loan or reserved for some one else and such type of item is available to this type of borrower.

### Web OPAC

Web OPAC is a powerful Search Engine for finding any catalogue related information of the institution's database. The Web OPAC has features such as Search: Books, Non Book Materials and Periodicals, Quick glance at the New Arrivals and check important Library News and Events on the The Librarian can always keep on inform the users about important Notices, Rules, Regulation and Membership procedures through online Library Notice board.

**The Search options includes** – A Single Search of Material by Title/ Author/ Subject/Accession Number/Publisher/ Keyword or Advance Search of Material By Title/ Author/ Subject/Accession Number/Publisher/ Keyword, with various combinations of Boolean operation such as OR, AND, NOT. Some other major highlights include Auto Suggestion in the search queries, Multi-library support across geographical area. Quick pop up preview of the search results, Reservation details, Loan details and Booking details. Library users have unique login ID to view the status of their loans (Books, NonBooks, and Periodicals) and fines (if any).



# BookMagic

Integrated Library Management System

www.meshilogic.com

## Stock Verification (Books & Non-books)

A single page inspection report can be created (category wise). A complete stock verification processing system either by manual entry or Barcode or RFID is provided. This allows stock verification of individual locations within the library can be carried out at any time. A printed record of missing items, issued list, stock report and any status report can be produced.

## Search Options

**Inquiry (OPAC) Module** offers a wide range of flexibility by using 10 different search options. Boolean search facility, saving and printing search results from OPAC, Facility to see Loan status, Search by Author's any word, Keyword, Digital document viewer facility, Reservation from OPAC. The search result can be filtered based on the materials like Text, CD, Equipment etc. and Resource loan Category like General, Reference etc.

**Media Search:** The search result can be filtered based on the storage media like CDs, Audio and Video tapes, Maps. Facilities to see Loan status, Digital document viewer is also incorporated.

**Periodical / Journal Search:** Search options with Title, Keyword, Periodical type, Subject, Publisher. Displaying Articles, Complimentary copy details with search results.

**View Status:** View status is used to view the status of the Library Resources (Books, Nonbooks and Periodicals) and Borrowers, this helps the user to view the Loan details, Reservation details, and Fine details.

**Acquisition Module:** Acquisition module is designed to assist the Librarian with Realtime control of

purchases, Generation of orders, Processing of items received, Recording of suggestions and requests from Library users onto a "Wish list". This Module has a wide range of other features.

**The Periodical Module:** The Periodical module provides rapid simple management of journals by controlling subscriptions records for each journal, receipt of issues, circulation of issues, recording of the issues held for each journal, printing of claims to be sent to suppliers (missing issues), Bound volume keeping, payment options, articles, article author, complimentary copy, abstraction entry, auto keywording.

**Digital Archiving:** Any data in digital formats can be stored in the software and the end user can view, play or print the search results in OPAC. Software supports various data formats like scanned images, word documents, excel spreadsheets, audio/video files, music files, etc.

**Barcode and RFID Integration:** The Barcode and RFID (Radio Frequency Identification) facilities are integrated to BookMagic. These facilities ease the day-to-day functions like issue and Returns. Another major advantage is that stock verification become much easier, error free and less time consuming. Barcode printing facilitates the printouts of book labels and borrower labels.

**System Administration:** ■ Backup & Restore. ■ User creation & Security. ■ Locking the computer from misusing. ■ Import / Export with MARC21 format. ■ ISO 2709 Import facility. ■ Z39.5 compliant.

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## Online BookMagic

Online BookMagic has the additional strength of being internet based, keeping up all the features and functions of its illustrious client server version - BookMagic 4.0. The online version offer a user gateway, a librarian gate way and staff gateway to access and use the system with strict control on access privilege in to various functional area for different users and staff. Other Integration includes email notification / reminders to the users. The users can create user group to share the information of common interest and Librarians can explore the features to hook up the software with Library of Congress Catalogue and importing records in MARC format with its strength of being compliant with Z39.50 standards to enjoy fast cataloguing a reality. Searching through the library resources over internet OPAC makes library accessible from ANYWHERE at ANYTIME.

## Digital Library


Integration with open source digital library. In Digital library, collections are stored in digital formats (as opposed to print or other media) accessible by computers. The digital content may be stored locally or accessed remotely via computer networks. It has been integrated with (Online) Bookmagic. Various customisation has been done as part of digital library implementation such as: Integration with Online BookMagic to facilitate search in both physical and digital library, Customize the display of pages, Show the abstract of the search results, Manage CD content, Login for particular collections, Streaming video library etc.


## Key Features

**Search Module (OPAC):** Searching Books using simple and Boolean search with 10 different options. Searching with most similar words for misspelled words. Facility to save and print search results and to see related digital documents. Separate search facility for Non-book items and Journals. Provision to view new Arrival list from OPAC. Facility to display on Notice Board for Library use. Provision to renew Resource from View status. Facility to see the Reservation list from View status. Facility to create daily Due list from OPAC. **Management Module:** Simplified and easy Cataloguing of Books and Non-books with automatic assigning of metaData for copies. Automatic Classification on subject selection. Digital Library Resource Cataloguing - able to associate scanned contents. Printing of formatted Spine Label and Catalogue Cards. Numerous reports in different criteria. Provision to Specify cost of the book in any currency like \$, €, ' etc. with its exchange rate. **Circulation Module:** Issue/Return integrated in a single interface. Bar-coding facility simplifies the process. Maintain Borrower details with different category wise settings. Facility for Fine collection, reservation and many more transaction reports. Reservation of resource using either by title or by Accession Number. Facility to set and View Borrower Photos. Email and SMS Facility to send Overdue Loan details, Reminder and other notices etc. to Borrowers. **Acquisition Modules:** Preparation of purchase list, Printing of order and request forms. Provision to maintain fund and purchase details. **Journal/ Periodical module:** Provision to enter and search all types of Periodicals and Journals with articles and supplementary copies and to keep its back volumes. Facility to print order and renewal letters. Provision to manage payment records. **System Administration Module:** Number of options to ensure system and data security. Data Backup and Restore facility. Different User level and Module wise security. Data Import & Export with MARC-21 and ISO 2709 standards.

### Meshlogic Software

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