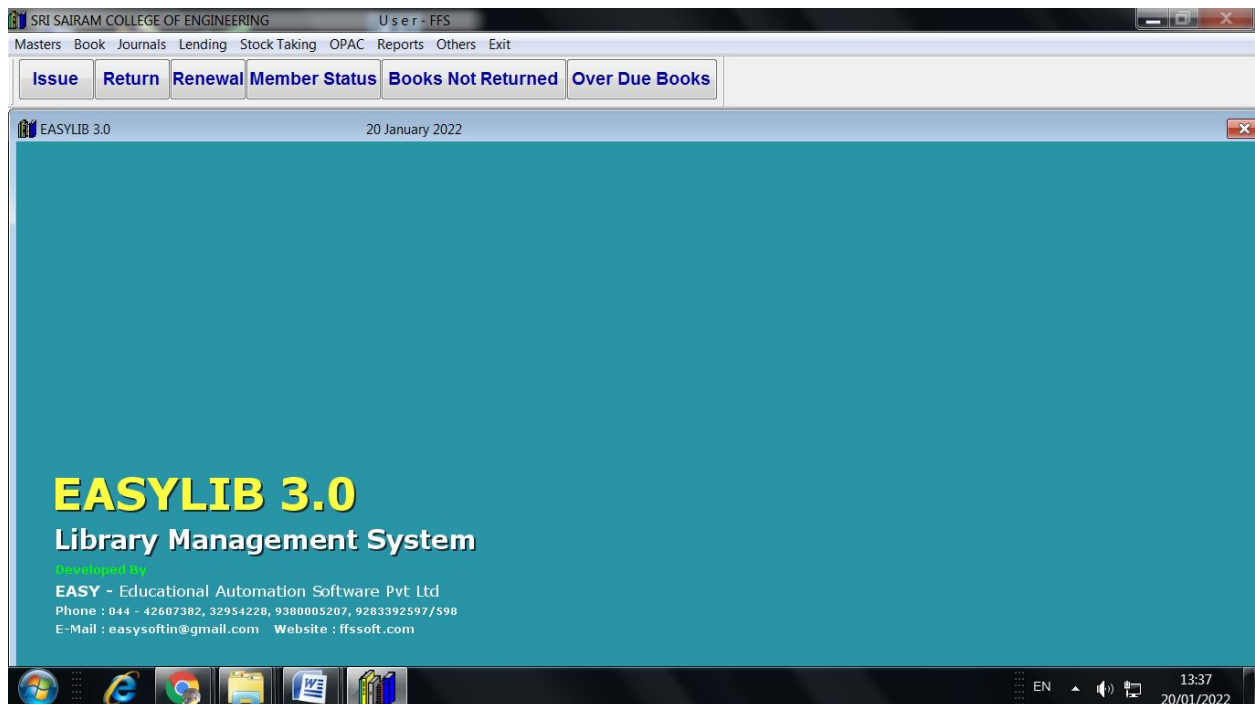# AUTOMATED LIBRARY FUNCTIONING FRAMEWORK

Sri Sairam College of Engineering Central Library works towards building user centric resources, integrate technological applications to augment resource management and service standards.

Technology application and automation in the library:
- Library is fully automated using EASYLIB software 3.0 version with OPAC facility
- Bar-coding Technology – all books and user Ids are bar-coded for faster and error free transactions
- Online e-resource services – access to vast collection of quality electronic resources
- Automated visitors management system
- CCTV surveillance system
- Digital library with digital resource management facility
- Remote access facility for accessing e-resources at user's convenience.
- Automated feedback technology
- Automated stock tacking facility.
- Automated resource classification system
- NPTEL resources
- Digital library: institutional repository

Library automation implemented in the year 2004 using LIBASOFT software. All important activities of the library were automated. Database of books and other resources, user database were created through automation software. Circulation of books, report generation, serials management, and stock verification are done through automation software.
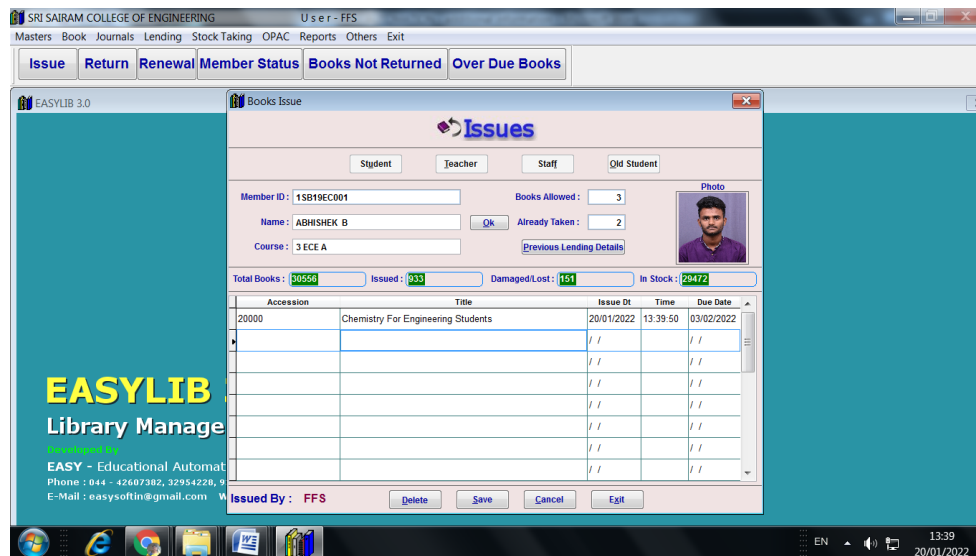
Benefits of library automation:

- Library resources transactions have become fast and error free.
- OPAC- is one of the crucial benefits from library. It facilitates searching of books and other resources available in library
- Reports generation facility has become handy tool for library staff. Various types of reports related to library resource collection, users, circulation of resources, user visits can be generated.
- Stock verification was a time and labor consuming activity. With the automation, the time requirement had been reduced to one week from one month. Also it has become error free.

Eventually, Bar-coding technology was implemented in the year 2006. Circulation of resources, and stock verification process are optimized through bar-coding technology. User identity cards are also bar-coded for more effective transactions. E-resources subscription and services are started in the year 2007.

We switched to easylib software in the year 2010. Easylib is multifaceted software that accommodates all modern features required for technical libraries. The front end of the software is Visual Basic and back end is SQL. The software enables automation of all types of resources, effective circulation, multi-query based search, versatile report generation; visitor management system, and auto-classification are the important features of the software.

Important Modules in the software:
- **Masters**: courses, subjects, resource categories, publishers, vendors, issue privileges, loan duration and fine, shelf details, etc. can be created in the module.
- **Book**: books addition, books records editing.
- **Journals**: Journals subscription maintenance.
- **Lending**: Books issue, return, renewal.

- **Stock Verification**
- **OPAC**: for searching and finding availability of resources in library
- **Reports**:
- **Member visit**: making entries of user log in and log-out
- **Others**: rights management, barcode generation, fine receipt
- **Backup**- for taking data back-up.
- **User** : registering, discharging, and promoting users

- **Digital library**: Knimbus online Digital library is a single platform to access all dgital & online resources, subscribed, institutional developed, and open access.