


# ICT Applications in Library Services

## Unit 1 Library automation: Definition, Need, Advantages and Disadvantages


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## ▶ Library automation

### ▶ Definition

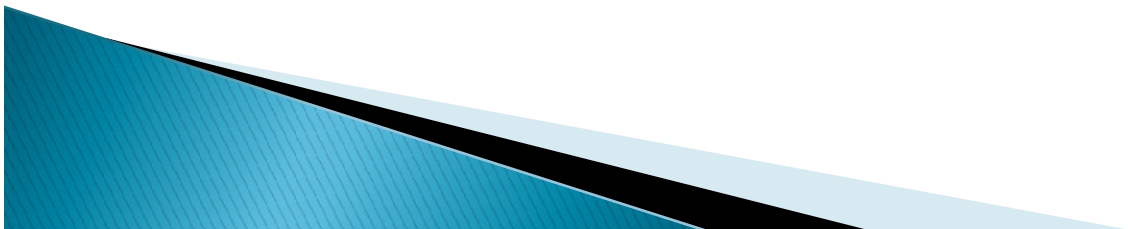
- ▶ According to the Oxford English Dictionary It defines automation as “application of automatic control to any branch of industry or science by extension, the use of electronic or mechanical devices to replace human labor”.
  - ▶ So we say Automation is the use of machines , control system and information technologies to optimize productivity in the delivery of service.
  - ▶ What is Automation according to Encyclopedia of library and information Science “Automation is the technology concerned with the design and development of process and system that minimize the necessity of human intervention in operation”.
- In the simple language “When we use machineries for collection, processing, storage and retrieval of information and do an other works of library with the help of machineries that called library automation.”
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## ▶ Need of Library Automation

- ▶ Limitation of library (time, space)
  - ▶ Different approaches and needs of user
  - ▶ Availability of information in various formats (Print, non-print, graphical, audio-visual etc.)  
Information explosion
  - ▶ Increasing numbers of users Impact of communication technology
  - ▶ To search national and international database  
To well management and retrieval of information  
Duplication in house keeping operation human power)
  - ▶ Enable their participation in resource-sharing library networks
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- ▶ To facilitate wider dissemination of their information products and services
  - ▶ To improve the management of their physical and financial resources
  - ▶ Establishment of a well storage
  - ▶ Speedily disposal of library work
  - ▶ **Advantages of Library Automation**
  - ▶ Suitability for library cooperation
  - ▶ Time and human power saving with qualitative services retrieval system
  - ▶ Development of human resources
  - ▶ Suitability for resource sharing and networking
  - ▶ Preparation of reports and correspondence
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- ▶ Development of the new library services
- ▶ Proper use of human resources
- ▶ Simplicity in library management to meet the objectives
- ▶ Coordination development
- ▶ Development of human resource
- ▶ Helpful in resource sharing
- ▶ Easily working with the help of automation
- ▶ Helpful in stock verification
- ▶ Speedily communication



- ▶ **Disadvantages of Library Automation**

- ▶ It is totally depended on Security problems
- ▶ Continuous staff training are required for it
- ▶ Financial expenses
- ▶ It is long term and time consuming process

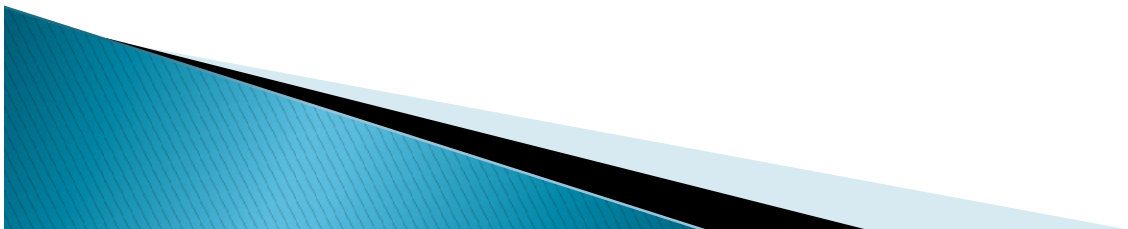
- ▶ **STEPS OF PLANNING FOR LIBRARY AUTOMATION**

- ▶ Approval of proposed project
- ▶ Project proposal
- ▶ Technology plan
- ▶ Feasibility
- ▶ Present status of library



## ▶ BASIC REQUIREMENT OF LIBRARY AUTOMATION

- ▶ Adequate collection
- ▶ Financial assistance
- ▶ Hardware
- ▶ Software
- ▶ Trained staff
- ▶ User training
- ▶ Maintenance and development



*THANKS*

