

FUTURE OF LIBRARIES AND LIBRARIANS

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The changing paradigm

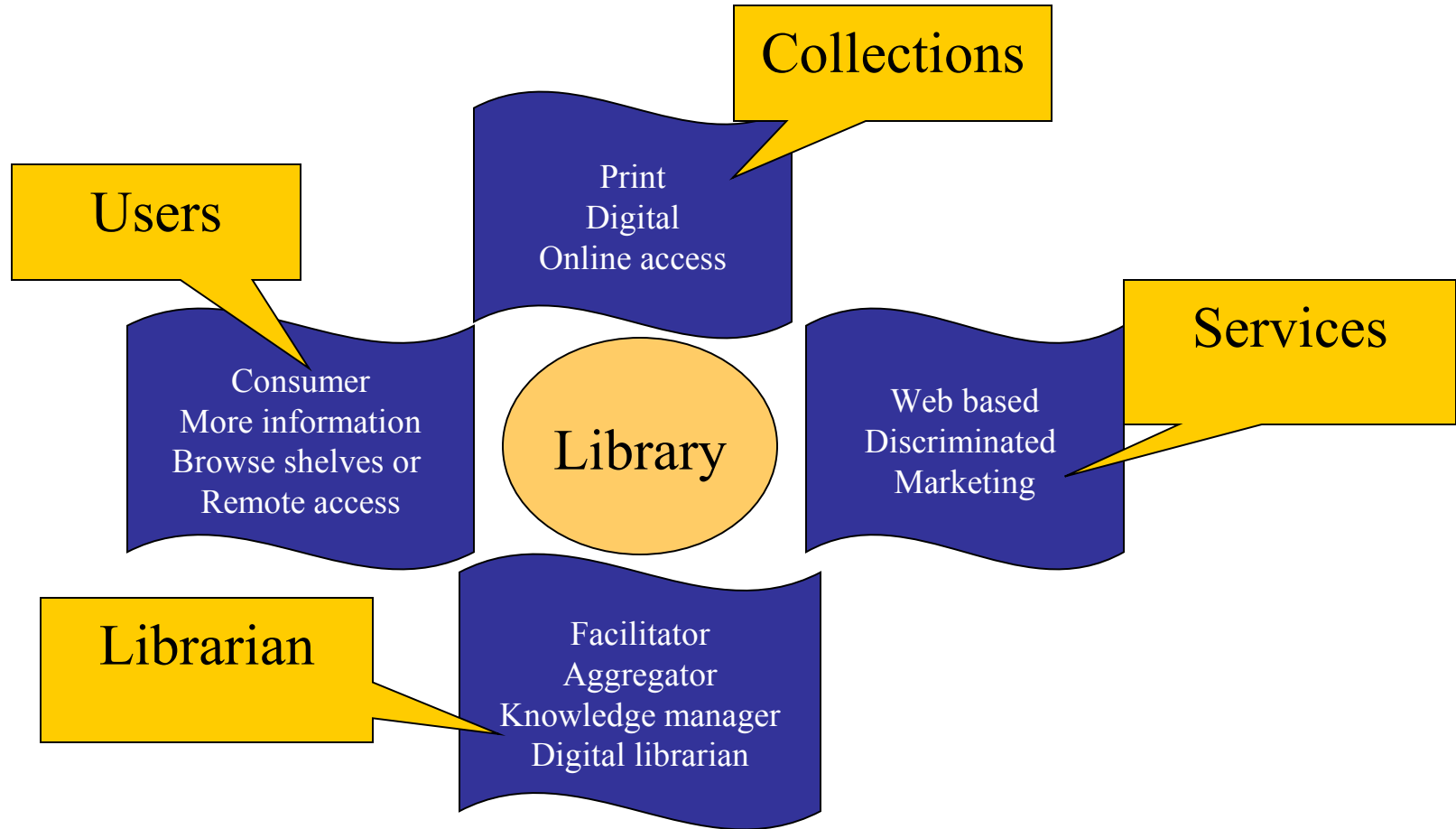
- Print – digital
- Ownership – access
- Closed/Open access – RFID tags
- Subscription – open access
- Fixed hours – 24x7
- Library collections – global access
- Stand alone – consortia

In essence from single library to network of libraries



Evolving a new library environment

User determines the future of libraries



The expectations

- Reactive: Responsive to the demands of ever changing information environment
- Proactive: The new roles to be taken by the LICs, with enthusiasm, to sustain in the emerging knowledge environment



Library users

- Present generation grown up in internet era and digital age
- There is a sizable section of users associated with printed documents
- The need is to devise measures that have to resonate positively with the users demands.



Library Collection Management



The state of affairs

- Digital environment
- E-publishing, open access publishing and self archiving
- E- consortia
- The focus on digital resources
- Advantages –
 - multi-access
 - speed
 - more content & ample storage
 - enhance existing modes of communication

The demand - new CD policy

- Reflect short and long term objectives
- Assessment of strengths and weaknesses of collections
- Define levels of collection – print and electronic
- Define selection criteria
- Define acquisition procedures
- Security, authentication and authorization of e-resources
- Archiving and preservation of e-information
- Pricing models based on FTE

Library Services

Role of libraries and librarian are in question

How to sustain in the emerging digital world

- integrate services to electronic resources through sustainable and seamless infrastructure.
- provide bibliographic tools that permit easy searching and browsing (Webliographies, subject gateways)
- develop tools to present content in user customized formats
- develop embedded training modules to assist in information seeking.



Library Services (contd.)



The position

- Library 1.0, 2.0
- Reference, indexing
- Subject bibliographies
- User orientation
- Advanced search

The need

- Library 3.0
- Aggregator services
- Webliographies
- Information literacy
- Subject gateways
- Institutional repositories

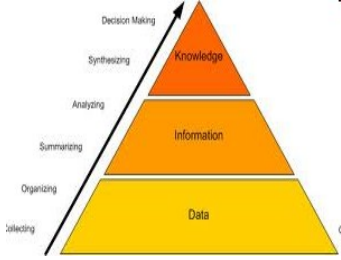


Role in education and learning

Libraries renamed: 'Learning Resource Centres'

Anneke Eurelings

- “Participating in e-learning experiments (via multidisciplinary teams)
- Becoming involved in universities' e-learning centers
- Investing in e-learning tools/software”



Knowledge Management

‘Knowledge is power’ - only if it is readily accessible in organized, analyzed and displayed form to solve the problems.

Research output as tacit and explicit from:

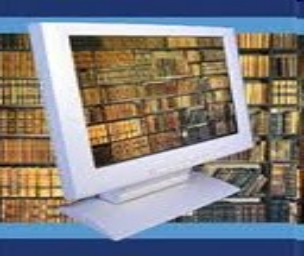
- Universities and Deemed Universities (above 300)
- CSIR laboratories – (33)
- ICMR Permanent and regional – (29)
- ICAR- institutes, Bureau, National Research Centres, Project Directorates and 38 Universities

In future libraries have to penetrate into and focus on capturing and managing tacit as well as public domain knowledge of these institutes

Content management



- Content management (CM) is an inevitable tool for LICs to
 - improve the accuracy and up datedness of information
 - reduce duplication of information, streamline knowledge
 - improve its sharing
 - support growth of databases and websites
 - improved customer service.
- The LICs can simplify the maintenance of websites.
- As a core information management activity, it has wider applicability to manage corporate, scientific and academic information.



Digital libraries

- Digital media had over taken the monopoly of print media.
- Good stocks of print documents and reading facilities are no more an attraction.
- Need to develop digital libraries as a managed collection of information, with associated services.
- The nature of digital library may vary; it may be a
 - collection of digital / electronic information objects
 - digital publications like e-journals
 - institutional repository
 - digital archives.



Open Access

- The major issue in scientific communication of India is poor citation of our publications in international journals.

T.B.Rajasekhara:

- *How do we improve local access to global research? - Library consortia*
- *How do we improve global access to local research? – Open Access*

Peter Suber

- Launch an open-access, OAI-compliant institutional e-print archive, for both texts and data
- Help faculty deposit their research articles in the institutional archive.
- Consider publishing an open-access journal.
- Include OA journals in the library catalog.
- Offer to assure the long-term preservation of some specific body of OA content.
- Annotate OA articles and books with their metadata etc.



Future Librarians

- Multi-media user
- Intermediary
- Enabler
- Metadata producer
- Communicator
- Team player
- Trainer / educator
- Evaluator
- Negotiator
- Project manager
- Innovator
- Fund-raiser



Future Librarians

- Professional skills
- Technical and IT skills
- Flexibility
- Ability to work under pressure
- Ability to learn quickly
- Communication skills
- Negotiating skills
- Interpersonal skills
- Presentation skills
- Teaching skills
- Team working skills
- Customer service skills
- Analytical and evaluative skills
- Subject skills
- Project management skills
- Vision

The Vision

Magical trends of technologies

- Wireless world – mobile learning
 - Services to users on mobile
- Virtual world
 - catalogue search is available via iPhone
- World of e- readers
 - Amazon's kindle, Samsung's Papyrus, Sony's e-Reader
- Cloud computing – mobile cloud computing
 - provide instant remote support to users
- Virtual Private Network
 - connect all computers and network resources over the internet



Vision (Contd.)

- The vision is to keep track of technologies that influence the future information delivery mechanisms
- Vision is to adopt the technological trends for a blend of physical and virtual realms
- Vision is for successful transmission of information through innovative best practices
- Vision is to change the practices, sustain with challenges and enhance the professional image

Translation of vision into activities

- Conduct a national study to analyse the LIS professional's reaction and vision and to gauge public opinion
- Evaluate the usage of electronic resources and incorporate the results into decision making
- Integrating information sharing path through consortia and blogs.
- Web sites to be gateways to information resources representing use of various cross-searching.
- Organizational and attitudinal change is required
- Performance appraisal of staff and services



Conclusion

Swami Vivekananda: *"In a day when you don't come across any problems you can be sure that you are in a wrong path"*

What is required?

Acceptance of problem

Probe for solution

Value based actions

Adoptable mindset

Attitudinal changes

Positive thinking

The prediction

ROBODEX



▣ But a group of robotics researchers at University Jaume I in Spain is working on a robot librarian which could deliver the promise of a helpful bot.

▣ The prototype has cameras, sensors and grippers so it can locate and collect a book. The hope is that one day teams of service robots could work in libraries.

By Jo Twist Robots get bookish in libraries
<http://news.bbc.co.uk/1/hi/technology/3897583.stm>

Thank you

