

# Course-III (A): University and College Library System

## Unit 4: Networks, Consortia and ICT Applications



### Topic: Library Consortia

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BY

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# INTRODUCTION

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Library cooperation and resource sharing activities amongst the libraries is being practiced for decades. This journey started with Inter Library Loan and traveled through library cooperation to resource sharing to resource sharing through networking to Library Consortia. The cooperation activities are need to overcome the problem of reduced budget , diversity of users needs, reduction in staff, inflation, escalation in cost of scholarly publication and also the facilities come to strength the hand of library due to advent of Information Communication and Technology. Due to information explosion, the information and knowledge is accelerating tremendously both print and non-print. For example as per an estimate the present status of e-journals are as under :



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## PRESENT STATUS OF E-JOURNALS PUBLISHING

Scholarly journals published = 250,000

Refereed Scholarly Journals = 15000

Number of Online refereed Journals = 12000

(Source: Stevan Harnond, Southampton University)



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## ■ MAJOR SCHOLARLY E-JOURNALS

<b>Elsevier Science Direct</b>	<b>1800</b>
<b>Springer and Kluwer</b>	<b>1200</b>
<b>John Wiley</b>	<b>500 + Project Muse</b>
<b>200</b>	
<b>JSTOR</b>	<b>300 + Sage 200</b>
<b>Cambride Uni. Press</b>	<b>180</b>
<b>Oxford</b>	<b>140</b>
<b>American Chemical Society</b>	<b>30</b>
<b>Annual Reviews</b>	<b>29 AIP/APS 27</b>

**Many more as trend is towards accelerating**



# LIBRARY CONSORTIA: DEFINITION

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- Library Consortia means Strategic planning in which number of institutions having more or less the same information needs and requirements for fostering the library and information services to their readers agreeing to participate in a collective and collaborative efforts in certain areas like Electronic journals.
- Library Consortia, on the basis of sheer strength of number of institutions and study business opportunity, attracts the best possible price and terms of agreement. The Collective strength of consortium facilitates the libraries to get the benefit of wider access to electronic resources at affordable cost and at the best terms and conditions



# Need for a Library Consortium

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- Information Explosion
- Economic Necessity
- Inadequate Space
- Multi-disciplinary research and diversified information demands
- Availability of On-line and CD-ROM databases
- Facilitates to build and develop digital libraries



# Objectives of Library Consortium

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- To subscribe electronic resources for the members of the consortium at highly discounted rates of subscription and at the best of terms and conditions;
- To extend the benefit of consortia-based subscription beyond the core members to other engineering and technological institutions;
- To impart training to the users and librarians of the member institutions on subscribed electronic resources with an aim to optimize the usage of electronic resources;



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- To find more avenues of cooperation and interaction amongst members libraries;
- To increase interactions amongst members institutions; and
- To increase scientific productivity of member institutions in terms of quality and quantity of publications, and so on.





## Benefits To The Member Institutions

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- Consortium subscription allows remote access to its member institutes beyond their dream.
- More than one user at a member institute can use e-journals simultaneously.
- Multidimensional features of e-journals encourage the users to use them round the clock.
- E-Journals are flexible and do not require physical processing, storage space and even environmentally valuable.
- Access to archival issues is available and CDs are supplied to members institutes for future use also.



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- Users of the member institutions can create their own Table of Contents (TOC) that alerts through them by e-mail the TOC for the latest issue of their favourite journals and selected journals of their choice can be added to their personal MyTOC profile.
- Optimum utilization is guaranteed and thus more research and development activities are being geared up for the development of the country.



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- Consortium member Institutes can create their own digital library and accessible e-resources can also made available besides their own digital collections to serve the end users.
- Facilitates members institutions to view full-text of articles online; send e-mail or photocopy request for an article of their choice, which is not available at their library.

Given below table reflects the economic benefits an institution gets by subscription of e-journal or databases by participating in e-journal consortium

<b>S.N</b>	<b>Subscription Sources</b>	<b>List Price in Rs.</b>	<b>Consortium Price</b>	<b>Saving in Rs.</b>
1	ABI/Inform	1288500.00	375000.00	913500.00
2	ASCE Journals	337900.00	165000.00	172900.00
3	ASME Journals (AMR)	253000.00	152500.00	100500.00
4	Nature	110500.00	64260.00	46240.00
5	Capitaline	150000.00	100000.00	50000.00
6	Euromonitor (GMID)	1200000.00	355000.00	845000.00
9	IEL Online (15 Simul. Access)	5097500.00	3033750.00	2063750.00
11	Indian Standards* (5 Simul. Access)	510000.00	397800.00	112200.00
12	ProQuest Science	563500.00	250000.00	313500.00



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# Library Consortium : Indian Initiatives

The logo graphic consists of a vertical black line on the left, a horizontal black line below it, and three overlapping squares: a yellow one at the top left, a red one at the bottom left, and a blue one at the bottom right. The word "FORSA" is written in a bold, blue, sans-serif font to the right of the vertical line.

# FORSA

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- Forum for Resource Sharing in Astronomy and Astrophysics is a consortium of Indian Institute of Astrophysics, Bangalore, Raman Research Institute, Bangalore, Inter University Centre for Astronomy & Astrophysics, Pune, Physical Research Laboratory, Ahmedabad, State Observatory at Nainital, Uttar Pradesh, Harish Chandra Research Institute, Allahabad, Currently, 23 Astronomy journals from Kluwer, and the Journal "Nature" are accessed electronically, through the Consortium deals by the FORSA members. AIP journals and Blackwell Publishers for MNRAS are being considered by the FORSA.



# IIM LIBRARY CONSORTIA

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- Beside entering into the interlibrary loan practice, with an objective of Resource sharing in may other areas such as cooperative acquisition, cooperative processing and decentralized utilization. IIM Library consortium was started Currently, science Direct of Elsevier, John Wiley electronic journals and KLuwer electronic journals, Proquest and EBSCO services are given access to IIM Libraries under this consortium.



# IUC-DAE

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- Inter University Consortium for Department of Atomic Energy Facilities is an autonomous institution of the University Grant Commission established in 1990. It is meant primarily for helping the University academic community in the utilization of major DAE facilities at Bhabha Atomic Research Centre, Mumbai Centre for Advanced Technology, Indore, Variable Energy cyclotron Centre, Kolkata, Institute of Physics, Bhubneshwar, Tata Institute of Fundamental research, Mumbai.





# CSIR CONSORTIA

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- CSIR Laboratories are having a consortium for accessing e-journals NISCAIR is the nodal organization for the consortium. With the aim of pooling, sharing and electronically accessing the CSIR library resources, providing access to world S & T literature to CSIR labs, and facilitating the culture of electronic access resulting into evolution of digital libraries. Presently, access to 1200 Elsevier Science journals are provided to all the CSIR institutions under this scheme. This provide opportunity to strengthen research and development in CSIR laboratories, thus leading to knowledge generation useful for socio-economic development of the country.



## INDEST – AICETE CONSORTIUM

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INDEST Consortium, Indian National Digital Library in Engineering Sciences and Technology, has been established by the MHRD, Government of India in the year 2001. There are 38 core member institutions covering IISc., IITs, NITs, ISM, SLIET, NERIST, IIITs, IIITMs, IIMs, NITIE, and SPA, funded by Government of India. The MHRD provides funds required for providing differential access to electronic resources subscribed for the consortium to the core members, this ambitious initiatives and its benefits are not only confined to its core member institutes but also being extended to all educational institutions under its open-ended proposition.



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INDEST has now about 750 members, out of which

1. About 45 are IIT's and NIT's
2. 65 are AICTE supported and
3. 650 self supported

INDEST subscribes about 22 databases with over 10,000 electronic journals besides many bibliographic databases.

# Major Electronic Resources Subscribed by the Consortium are:

Sl. No.	Full Text Resources & URL	Accessible To
1	ABI/INFORM Complete ( <a href="http://www.il.proquest.com/pgdauto">http://www.il.proquest.com/pgdauto</a> )	IITs (Except IIG) IISc, IIMs, NITIE, IITMs
2	EBSCO Databases( <a href="http://search.epnet.com/">http://search.epnet.com/</a> )	IITs (Except IITG) IISc, IIMs
3	Elsevier's Science Direct( <a href="http://sciencedirect.com/">http://sciencedirect.com/</a> )	IITs, IISc, IIMs, ISM, SLIET
4	Emerald Full- text( <a href="http://iris.emeraldinsight.com/">http://iris.emeraldinsight.com/</a> )	IITs (Except IIG) IISc, IIMs,
5	Complete IEEE/IEE Electronic Library Online (IEL) <a href="http://ieeexplore.ieee.org/">http://ieeexplore.ieee.org/</a>	IITs, IISc, NITs, IITs



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Sl. No.	Full Text Resources & URL	Accessible To
6	Nature <a href="http://www.nature.com">http://www.nature.com</a>	IITs, IISc, NITs, ISM, SLIET, NERIST
7	Insight <a href="http://www.insight.assianerc.com/">http://www.insight.assianerc.com/</a>	IIMS
8	Proquest Science (ASTP) ( <a href="http://www.il.proquest.com./pqdauto">http://www.il.proquest.com./pqdauto</a> )	NITs, ISM, SLIET, NERIST, IITs, IITM
9	Springer Verlag <a href="http://www.springerlink.com/">http://www.springerlink.com/</a>	IITs, IISc, NITs, ISM, SLIEY, IITs



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Sl. No.	Bibliographic Databases	Accessible To
1	Compendex Plus <a href="http://www.ei.org/ev2/home">http://www.ei.org/ev2/home</a>	IITs & IISC
2	INSPEC on Ei Village <a href="http://www.ei.org/ev2/home">http://www.ei.org/ev2/home</a>	IITs & IISC
3	J-Gate Custom Content for Consortia (JCCC) ( <a href="http://jccc.indest.informindia.co.in/">http://jccc.indest.informindia.co.in/</a> )	NITs, ISM, SLIET, IITs, & IITMs
4	SciFinder Scholar ( <a href="http://www.cas.org/scifinder/scholar/index.html">http://www.cas.org/scifinder/scholar/index.html</a> )	IITs, IISc
5	Web of Science ( <a href="http://isiknowledge.com/">http://isiknowledge.com/</a> )	IITs, IISc



# UGC-Infonet E-Journal CONSORTIUM

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Technology is a driving force in the contemporary education systems. University Grant Commission has launched an ambitious programme to bring about a qualitative change in the academic infrastructure, especially for higher education. Under this initiative UGC is modernizing the University Campuses with State-of-the-Art campus wide networks and setting up its own nationwide communication network named UGC-Infonet. It is a programme wholly funded by the University Grants Commission with an objective to facilitate free access to scholarly journals and databases in all areas of learning to the research and academic community and is being executed by INFLIBNET Centre, an Inter University Center of UGC, Ahmedabad.



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The universities come under UGC's purview are members of UGC-Infonet E-Journal Consortium and would be extended to college also. The consortium has started offering its services from January, 2001 onwards. Now 50 universities joined in the consortia get access to electronic resources and others are expected to join and the following are E-Resources subscribed by the UGC-infonet consortium.



# Major Electronic Resources Subscribed by the Consortium

Sl. No.	Full Text Resources	URLs
1	American chemical society	<a href="http://www.pub.acs.org">http://www.pub.acs.org</a>
2	Royal Society of chemistry	<a href="http://www.rs.org">http://www.rs.org</a>
3	Nature	<a href="http://www.nature.com">http://www.nature.com</a>
4	Cambridge university press	<a href="http://www.journals.cambridge.org">http://www.journals.cambridge.org</a>
5	Encyclopedia Britannica	<a href="http://www.britannica.com">http://www.britannica.com.</a>



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<b>S. No.</b>	<b>Full Text Resources</b>	<b>URLs</b>
6	JSTOR	<a href="http://www.jstor.org">http://www.jstor.org</a>
7	American physical society	<a href="http://www.aps.org">http://www.aps.org</a>
8	Science online	<a href="http://www.scienceonline.org">http://www.scienceonline.org</a>
9	Emerald library science collections	<a href="http://www.emeralfinsight.com">http://www.emeralfinsight.com</a>
10	Elsevier Science Life science collection	<a href="http://www.sciencedirect.com">http://www.sciencedirect.com</a>
11	J-Gate gateway portal	<a href="http://www.j-gateinforam india.co.in">http://www.j-gateinforam india.co.in</a>



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<b>S. No.</b>	<b>Bibliographic Databases</b>	<b>URLs</b>
1	Chemical Abstract services	<a href="http://www.cas.org">http://www.cas.org</a>
2	BIOSIS: Biological abstract	<a href="http://biosis.org">http://biosis.org</a>



# LICENSING MODELS

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The electronic journals are made available through the Web at varying price models, in most of the cases linked to printed counterparts, i.e. it may be offered free with print subscription (e.g. publications of APS and ASCE) or priced at a fixed percentage over the print subscriptions (e.g. journals of Elsevier Science, Springer Verlag and IEEE) or it may also be offered exclusive in electronic media. The different options provided by publishers to access electronic information site by libraries, as described, on their Web sites is presented.



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Publishers, generally view a site as a single, geographically contiguous office-building complex, or campus location-plus dial-in access via the licenses secure network. Network not a mailing address and may include more than one library. Consortium provides union strength to negotiate with electronic publishers for the best possible price and rights. ICOLC outlines the different content purchase models, which are as follows :



# Title-by-Title Subscription Model

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The practice followed in most of the libraries to subscribe print journals. The only concession library may get by this model is the special rates if one subscribes few (Physical Reviews package from American Physical Society/ AIP) or all publications (ASPP from IEEE) from the publisher, regarded as set price schemes.



# Print Plus Model

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The pricing of the electronic journal product is expressed as an “add-on” to the price of the print product, or the price quoted is linked to a “no-print cancellation” clause in the contract.



# Electronic Plus Model

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The electronic journal content supplied for a base price and the price for print copies added to that base price. ICOLC argues for keeping the purchase of the print copies as optional, and the base price for the electronic content is not more than 80% of the price for the electronic-plus-print and the combined electronic and print price is no more than current print-only prices.





# AII- You-Can-Eat Model

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- Some publishers offer their total content for the price that a library might have paid for a limited number of print journal subscriptions.



# Pay-by-the-Drink Model

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Provision to purchase blocks of journal articles, or may pay only for the delivery of the articles that are actually used.



# VITAL ISSUES

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Specific issue related to Consortium must be addressed to ensure that the benefits can be maximized while minimizing the disadvantages. The Indian libraries should tackle in order to streamline their cooperative and consortium efforts.

- (i) Library policies and approaches.
- (ii) Commitment to cooperation.
- (iii) Consensus building.
- (iv) Agreement type.



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- (v) Egos and attitudes.
- (vi) Budgets and funding.
- (vii) Relevance to core users.
- (viii) Technology issues
- (ix) Archival issues



# Suggestion and Conclusion

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1. Increase availability of computer systems and direct links to e-journals from the member institution's Library OPAC may be considered.
2. It would be desirable if studies are undertaken to evaluate the usage and usability of electronic resources in the member institutions Consortium and findings could be compared with each other's to know the issues and challenges.



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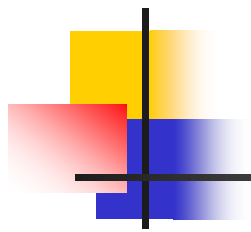
3. Month-wise usage reports for electronic journals could be measured using log on file system by the Consortium to prove the statistics being provided by the publishers or Aggregators concerned to support future electronic resources building.
4. Information professionals have to conduct more awareness programs to market the new electronic journals services at their respective institutions. Information center Web-site, Intranet, Newsletters, Strategic pages of the institutions highlighting services responsive to user requirements may be created by placing articles, net based posters and notices about the electronic journal service.



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5. Networking with thought leaders, influential persons in other departments and engaging them to spread the word about the electronic journals services may be considered.
6. Some E-resources are duplicated by Indian Consortia. The one of the concept of Consortium subscription is to avoid redundant expenses and duplication of subscription.



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*Thank You*