

E-Resources in Economics: A Case Study of e-ShodhSindhu Consortium for Higher Education

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Abstract – Today Library and Information Centres are playing an important role in providing access to web based resources and services to its user community. The purpose for this paper is to investigate the availability of various kinds of e-resources like e-journals and electronic databases particularly in the field of Economics. E-resources are the necessity of the time and also have turned into the face estimation of any scholastic organization. This paper endeavours to recognize the types of e-journals and e-databases provided to member universities through eShodhSindhu Consortium for Higher Education

Keywords: Electronic Resources, e-Shodh Sindhu, Library Consortium, Economics

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1. INTRODUCTION

The library is seen as a source of preparing and guidance to a network of learners who are concerned with exploring the complexities of finding and using advanced resources and services. Also, the move towards a propelled situation has brought about a move from the precise balanced information stream of the past to another model in which the clients and the suppliers of information can relate in many-to-many, one of a kind relationship (Sharifabadi, 2008).

Electronic resources have placed themselves at the best need in academic and research affiliations, especially in developing countries. E-resources are the need of the time and have turned into the face estimation of any academic association. The idea of the library is changing quick because of the impact of e-resources. By and by libraries have printed material and what's more best in class resources. The innovation concentrated on the library to digitize information. Electronic resources have the advantage of being more current, and sometimes more comprehensive than comparable print equivalents. Real journal publishers, for example, Elsevier, Springer, and Wiley are currently making hundreds of individual titles available online back to their very first issues. (Sharma, 2012).

2. LIBRARY CONSORTIA: SERVICES AND ISSUES

Due to increase in the membership cost of e-Resource and price rise of e-journals, libraries are picking the services of Library Consortium and getting the

concessional prices for thee-resources. "Library consortia" refers to the cooperation, coordination and joint effort between and among libraries to share information resources. A review of the literature demonstrates that "library consortia" is certainly not a new concept (Golnessa Galyani Moghaddam, V.G. Talawar, 2009). Generally, the typical type of library co-operation was the sharing of affiliation index information, storage facilities, collection development and HR. (Payne, 1998). Later, other countries likewise ventured into co-operative efforts.

2.2 About e-ShodhSindhu: Consortia for Higher Education E-Resources

Universities under the purview of UGC have been provided UGC-infonet Connectivity and access to scholarly e-Journals and Databases. In view of the suggestion of an Expert Committee, the MHRD has shaped e-ShodhSindhu consolidating three consortia activities, in particular UGC-INFONET Digital Library Consortium, NLIST and INDEST-AICTE Consortium. The e-ShodhSindhu will keep on giving current and what's more recorded access to in excess of 15,000 center and companion specialized institutions, colleges and colleges that are secured under 12(B) and 2(f) Sections of the UGC Act. (<https://www.inflibnet.ac.in/ess/>)

2.2.1 Aims and Objectives of e-ShodhSindhu: Consortia for Higher Education E- Resources

The fundamental target of the e-ShodhSindhu: Consortia for Higher Education E-Resources is to give access to subjective electronic resources including full-content, bibliographic and fair

databases to academic institutions at a lower rates of participation.

The critical focuses and objectives of the e-ShodhSindhu are as per the accompanying:

- Setting-up e-ShodhSindhu: Consortia for Higher Education E-Resources by augmenting furthermore, reinforcing, services offered by three MHRD-funded Consortia;
- Develop an impressive gathering of e-journals, e-journal files and digital books;
- Monitor and advance utilization of e-resources in part universities, colleges and specialized institutions in India;
- Provide access to membership based vigilant information to each educational establishment;
- Provide access to watchful substance accessible in open access;
- Bridge propelled gap and move towards an information-rich society;
- Provide access to chosen e-resources to additional institutions including open universities and MHRD-funded institutions that are not secured under existing consortia;
- Take-up additional exercises and services that require collaborative stage; and
- Moving towards developing a National Electronic Library with electronic journals and electronic books.

3. LITERATURE REVIEW

Lingaia (2016) observed libraries are going up against money related crunch which has to the presentation of library cooperation/research sharing. UGC-Infonet Digital Library Consortium as of late changed to E-ShodhSindhu consortium for Higher Education E-resources with the true objective to give quality e-resources to encourage learning and research exercises covering full content, bibliographical and valid databases. Ali, Naushad (2005) analyzes the utilization of electronic information services among the clients of IIT Library, Delhi. Muthuraj, A (2017) examined 384 Library and Information Science Journals which is indexed in various online databases. Facilitate it similarly broke down and found the Impact Factor, Cite Score and Journal Current Index. In light of the examination the journal of 'Information Communication and Society' indexed in Web of Science database has most elevated Impact Factor (2.109) at that point different journals indexed in Scopus and Indian Citation Index. Lal, Jawahar (2017)

presented the role of e-ShodhSindhu: Consortium for Higher Education Electronic Resources in the Study of Social Sciences. It deals with INFLIBNET Center, e-ShodhSindhu: Consortium for Higher Education Electronic Resources, Aims and objectives and the number of journals in discipline of Social Sciences of various publishers/aggregator made accessible by e-ShodhSindhu: Consortium for Higher Education Electronic Resources. Jain, (2017) discussed INFLIBNET is supporting every single academic library of India for automation, networking and online information resources for lifelong learning and up-skilling. For University Libraries they have started UGC-INFONET Program and in the same manner for colleges they have created NLIST (National Library and Information Infrastructure for Scholarly Content) program. Presently these all merged in e-ShodhSindhu. In the present paper we discussed every single real activity of INFLIBNET and its effect on higher education system in India. The paper features the purpose of consortium for academic network and their problems in accessing e-resources. The investigation moreover reveals the strength and weaknesses and suggests necessary corrective measures in future endeavor. UGC-Infonet Digital Library Consortium as of late changed to eShodhsindhu consortium for Higher Education E-resources with the ultimate objective to give quality e-resources to encourage learning and research exercises covering full content, bibliographical and precise databases (Lingaiah, 2016)

4. RESEARCH METHODOLOGY

Content Analysis of E-ShodhSindhu website was conducted to analyze the accessibility of E-resources especially in the field of Economics. Information was collected to pertaining to the different categories of E-resources like E-journals, databases, prominent publishers available in the field of Economics and provided to the member university libraries through the Consortium. Data was accessed during December 2017.

5. DATA ANALYSIS AND FINDINGS

5.1 Profile of e-ShodhSindhu Consortium

Table-1: Profile of e-ShodhSindhu Consortium

S. No	Name of the Consortium	Year of Establishment	No of Members	Maintained by	Available at
1.	e-ShodhSindhu Consortia for Higher Education E-Resources	2015	Univ.=178 CFTIS=91 AICTE funded Colleges=87	INFLIBNET Centre	https://www.inflibnet.ac.in/ess/

Table 1 provides the general information about the eShodhSindhu Consortium. It demonstrates eShodhSindhu Consortium was established in 2015 as Indian University digital library Consortium earlier known as (UGC Infonet Digital Library Consortium)

for networking and giving the e-resources to the university libraries in India. Members include 178 Universities, 91 CFTIs, 87 (AICTE funded Engineering Colleges) and 3000+ total Colleges. As of now, 10000+ journals, 3135000+ e-books, 20 types of resources various databases are being provided to the member universities.

5.2 Details of the Members of the Consortium

Membership refers to the aggregate number of registered users of the consortia. The Consortium have different types of registered users, for example, Universities including 12 (B)/2 (f) State Universities, Central Universities, Deemed Universities (UGC funded), National Law Schools/Universities etc. Table-2 demonstrates the details of the aggregate members of the consortium.

Table-2: Members of the e-ShodhSindhu Consortium

Universities	Total Number	CFTIs	Total Number	AICTE Funded Members	Total Number
12 (B) / 2 (f) State Universities	103	NITs, SLIET & NERIST	31	AICTE Funded Engg. College	79
Central Universities	38	IITs & IISc	22	12 (B) / 2 (f) State Universities	12
Deemed Universities (UGC funded)	19	IIMs	17	Central Universities	2
National Law Schools/Universities	12	IITs, IIST, NITIE, NIFT and NITTTR	11	Deemed Universities (UGC funded)	2
IUCs of UGC	6	IISERS	7	IITs, IIST, NITIE, NIFT and NITTTR	1
		SPAs	3		
Total	178		91		96

Table 2 above demonstrates that the greater piece of the Indian Universities are participants belongs to eShodhSindhu Consortium i.e. indicate as in December 2017, 178 universities including 38 Central universities 19 Deemed Universities and 12 National Law Schools are getting benefit of price concession in getting e-resources with the help of consortia. There are CFTIs (Centrally Funded Technical Institutes) including most extreme NITs (31) then IITs likewise (21) as well as 17 IIMs are the members of the consortia furthermore getting membership of the consortia. Aside from that there are some AICTE funded Engineering Colleges (79) and universities are furthermore members of the Consortium. In addition, the Consortium also provides access to 6500+ journals and 31,50,000+ eBooks to 2,972 colleges under the NLIST programme.

6. CATEGORIES OF E-RESOURCES IN ECONOMICS PROVIDED THROUGH ESHODHSINDHU CONSORTIUM

Universities and other higher learning Institutions in India are getting different types of e-resources through the eShodhSindhu Consortium and getting these very

expensive e-resources at very ostensible price or free of expense through the membership. Table 6.1.1 Table-3 shows the different types of e-resources accessed by the universities.

Table-3: Economics Full Text Resources

Full text E-resources (Economics)	Provided to Institutions	Total No. of Journals Provided	In Economics
Annual Reviews (http://arjournals.annualreviews.org)	113	43	-
Capitaline (http://www.capitaline.com/)	0	-	-
Economic & Political Weekly (http://epw.in/)	202	1	1
Elsevier ScienceDirect (http://www.sciencedirect.com/) more ScienceDirect (10 Subject Collection)	0	1036	153
Emerald Publishing (http://www.emeraldinsight.com/) more Emerald Univ Collection (133 titles)	0	133	7
IndiaStat.com	0	-	-
INSIGHT	0	-	-
Institute for Studies in Industrial Development (ISID)	308	125	-
JSTOR (http://www.jstor.org/) more JSTOR	210	3000+	181
LexisNexis (http://www.lexisnexis.co.in/)	0	-	-
Oxford University Press (https://academic.oup.com/journals)	163	262	7
Project Muse (http://muse.jhu.edu/)	101	670	40
Proquest-ABI/Inform Complete (http://search.proquest.com)	0	0	-
Springer Link (http://link.springer.com/)	200	1700+	107
Taylor and Francis (http://www.tandfonline.com/) more	129	1076	96
Wiley Blackwell Publishing (http://olabout.wiley.com/WileyCDA/Section/id-815577.html)	0	908	8
Total	1426	8954	600

Table-3 describes the different types of electronic databases provided to different universities through eShodhSindhu Consortium in the field of Economics. It demonstrates the full text e-databases in Economics provided to number of Institutes and furthermore the total number of journals provided and also in Economics. It demonstrates, as in December 2017 most extreme number of journals are provided through JSTOR i.e. 3000+ with 181 Economics journals to 210 Institutes then followed by Springer Link i.e.1700+ journals and 107 in Economics to 200 Institutes and furthermore through the Taylor and Francis i.e. 1076 journals with 96 Economics journals to 129 Institutes through the Consortium.

6.1 Financial Matters Full Text Databases*

(<https://www.inflibnet.ac.in/ess/>)

- **Capitaline (<http://www.capitaline.com/>)**

Capital line database gives crucial and market information on in excess of 35,000 Indian recorded and unlisted organizations, grouped under in excess of 300 businesses, nearby powerful explanatory instruments. Broad information and examination on each affiliation profile, directors, over 10-year financials (P&L, monetary record, salary, merged budgetary information, section information, forex information, R&D information, degrees), quarterly outcomes, possession design, completed things,

unrefined materials, share value information, directors' report, management discourse, notes to account, business news, corporate occasions, and so on. Capitaline database is a sister after effect of Capital Market, India's chief speculation fortnightly.

- **CRIS INFAC Industrial Information (CRISIL)** (<http://www.crisil.com/>)

CRISIL Research Services empowers to track the execution and perspective of industries by giving access to information, research and examination. It provide long haul and here and now future perspective toward these industries and the elements that affect its performance and efficiency. It provides access to EcoView, multi month to month document published by CRISIL, provides a comprehensive investigation of the Indian full scale economy. It examines trends in key variables, exhaustive forecasts based on the fundamental economic investigation and connecting full scale trends and issues to small scale variables like association sales, benefits, and getting costs.

- **EPWRF India Time Series** (<http://www.epwrfits.in/>)

EPWRF India Time Series (EPWRF ITS) is a novel online database giving fundamental estimations on the Indian economy in time arrangement configuration. This has more than 30,000 factors organized in 16 modules covering a scope of substantial scale economic, financial and social fields, for instance,

1. National Accounts Statistics of India
2. Domestic Product of States of India
3. Price Indices
4. Agricultural Statistics
5. Annual Survey of Industries
6. Industrial Production Series
7. External Sector
8. Financial Markets
9. Banking Statistics
10. Insurance
11. Finances of the Government of India
12. Finances of State Governments
13. Combined Government Finances
14. Power Sector

15. Health Statistics

16. Educational Statistics

Contingent upon the information availability, data series starts from 1950. Upwards of 10 modules contain state-wise data. Furthermore, Banking Statistics module provides banking pointers for 653 locale.

- **Indiastat** (<http://www.indiastat.com/>)

Indiastat.com gives extensive financial information about India and its segments, states and locales. Incepted in the year 2000, Indiastat.com has now been effectively authorize to serve the overall research clique for over sixteen years. The group of Indiastat.com contain 56 relate websites, which incorporates 31 state-particular websites, 19 area particular websites and 6 locale particular websites. Factual information on Indiastat.com envelops of systematically arranged financial information which is sorted in 32 wide information classifications and exhibited in an easy to use configurations e.g. MS-Excel/Word/HTML gatherings.

- **INSIGHT** (<https://insight.dionglobal.in>)

India's driving database portal utilized by famous value explores houses, educational institutions, corporate and banks. Knowledge is Dion's proprietary database entryway, and includes in-depth information on corporate, regular assets, primary and secondary markets, classified news, yearly reports library, inquiry developer and select briefs on current events, IPO, subsidiaries, world Indices, protection and For-ex data base. Synopsis of New Changes: Now the new Insight presents with another measurement in responsive designing.

- **Institute for Studies in Industrial Development (ISID)** (<http://isid.org.in/>)

The Institute for Studies in Industrial Development (ISID), a supported association of the Indian Council of Social Science Research (ICSSR), is an open funded, non-commercial innovative work establishment in sociology. ISID was set up as a free relationship to endure on the work started by the Corporate Study Group (CSG), at the Indian Institute of Public Administration, amidst the mid 'eighties. ISID has created databases on various parts of the Indian economy, particularly concerning industry and the corporate segment. It has made On-line Indexes of Indian Social Science Journals (OLI) It gives access to Indexes of 125 Indian Social Science journals and genuine daily paper articles, editorials and news highlights.

• **JGate Plus (JCCC) (<http://jgateplus.com/look>)**

J-Gate Custom Content for Consortium (JCCC) is a virtual library of journal writing made as a tweaked e-journals get to entryway and database course of action. It goes about as a one point access to 7900+ journals bought in as of now under consortium and moreover university libraries designated as Inter Library Loan (ILL) Centers other than record to open access journals. INFLIBNET has recognized 22 potential universities as ILL Centers in the nation to satisfy ILL ask for from the clients subsidiary to universities secured under UGC-INFONET Digital Library Consortium.

• **Manupatra (<http://www.manupatra.com/>)**

Manupatra are the main law publishers and supplier of Legal, Taxation, Corporate and Business Policy databases in India. With essential records and exclusive illustrative substance covering commentaries, treaties, digests, publication improvements, Manupatra has made the biggest and most far reaching on the web asset of Indian materials.

• **Web of Science (<http://www.webofknowledge.com/>)**

Web of Science, gives access to the world's driving reference databases. It looks more than 10,000 journals from more than 45 distinct dialects over the sciences, sociologies, and expressions and humanities with back documents to 1900. The references (or commentaries) empower one to explore forward, backward, and through journal articles and both journal and book-based procedures. Its Analyze Tool furthermore helps in finding shrouded patterns and examples, increment understanding into rising fields of research, distinguish driving analysts, institutions, and journals, and trace the historical setting of a specific field of study.

* Content taken from eShodhSidhu Consortium website (<https://www.inflibnet.ac.in/ess/>)

6.2 Publisher Wise e-Resources in Economics

eShodhSindhu additionally arranges the different categories of e-resources provided through different publishers. Table 4 describes the number of e-resources in Economics provided publisher wise. It demonstrates Springer Link as a publisher is giving 79 e-resources in Economics through eShodhSindhu Consortium while Wiley Blackwell Publishing is giving 54 e-resources in Economics et cetera.

Table-4 : Publisher Wise e-Resources for Economics

Publishers	Number of Resources (Economics)
Springer Link	79
Wiley Blackwell Publishing	54
Taylor and Francis	19
Project Muse	13
JSTOR	4
Oxford University Press	1
Total	170

Table shows Springer as publisher is maximum number of journals (79) in Economics through the Consortium then followed by Wiley Blackwell Publishing (54) journals through the Consortium and so on. It also reveal total 170 economics resources are covered by 6 main publishers.

6.3 E-Journals available in Economics

An attempt has additionally been done to list the e-journals in Economics that are being provided through the Consortium under examination. A summary is given in table-5 below:

Table-5 : List of E-Journals available in Economics through Consortium

S. No.	Journal	Publisher	Subject	ISSN	E-ISSN
1	European review of economic history	Oxford university press	Business; economics; history	1361-4916	1474-0044
2	El trimestre económico	Fondo de cultura económica	Business; economics	0041-3011	
3	Egyetemi szemle	Akadémiai kiadó	Business; economics; public policy & administration; sociology	0139-4045	
4	Economic digest	Pakistan institute of development economics, islamabad	Business; development studies; economics	0422-3012	
5	Estudios económicos	: el colegio de mexico	Economics; latin american studies	0186-7202	
6	Emerging markets finance & trade	M.e. Sharpe, inc.	Business; development studies; economics; finance	1431495x	1662-0945
7	Eastern economic journal	Palgrave macmillan journals	Economics	0094-5056	1939-4632
8	E-service journal	Indiana university press	: business	1528-8226	1528-8234
9	Economica	The london school of economics and political science; the sunjoty and toyota international centres for economics and related disciplines; wiley	Business; economics	0013-0427	1468-0335
10	Economic theory	Springer	Business; economics	0938-2259	1432-0479
11	Economic policy	Center for economic studies; centre for economic policy research; maison des sciences de l'homme; wiley	Business; economics	0355-5744	2367-1438
12	Economic geography	Clark university	Economics; geography; history	0013-0095	1944-8287
13	Economic development and cultural change	The university of chicago press	Business; development studies; economics	0012-0088	1648-1877
14	Economic and political weekly	Economic and political weekly	Asian studies; economics; political science	0012-9976	2349-8846
15	Economía	Brookings institution press	Business; economics; latin american studies	1529-7470	
16	Econometrica	The econometric society	Business; economics; mathematics	0012-9682	1468-0262
17	Econometric theory	Cambridge university press	Business; economics	0266-4666	1469-4360
18	Eastern european economics	M.e. Sharpe, inc.	Economics; slaviv studies	0012-8775	

19.	Education economics	Routledge	Economics	0964-5292	1469-5782
20.	Economics of innovation and new technology	Routledge	Economics	1043-8599	1476-8364
21.	Economic systems research	Routledge	Economics	0953-5314	1469-5758
22.	Econometric reviews	Taylor & francis	Mathematics, economics	0747-4938	1532-4168
23.	Economic affairs	Blackwell	Economics	0265-0665	1468-0270
24.	Economic history review	Blackwell	History, economics	0013-0117	1468-0289
25.	Economic inquiry	Blackwell	Economics	0095-2583	1465-7295
26.	Economic notes	Blackwell	Economics	0391-5026	1468-0300
27.	Economic outlook	Blackwell	Economics	0140-489x	1468-0319
28.	Economic papers: a journal of applied economics and policy	Blackwell	Economics	0923-0548	1868-0565
29.	Economica	Blackwell	Economics	0013-0427	1468-0335
30.	Economics & politics	Blackwell	Economics	0954-1985	1468-0343
31.	Environmental policy and governance	Wiley	Political science, economics	1756-932x	1756-9338
32.	Eurochoices	Blackwell	Economics	1478-0917	1746-692x
33.	European financial management	Blackwell	Economics, accounting and finance	1354-7798	1468-036x
34.	European review of economic history	Cambridge university press	History	1361-4916	1474-0044
35.	Environment and development economics	Cambridge university press	Economics	1355-770x	1469-4395
36.	Economics and philosophy	Cambridge university press	Law	0266-2671	1474-0028
37.	Econometric theory	Cambridge university press	Economics	0266-4666	1469-4360
38.	Enterprise & society: the international journal of business history	Oxford university press	Economics	1467-2227	1467-2235
39.	European review of agricultural economics	Oxford university press	Economics	0165-1587	1464-3618
40.	Enterprise & society: the international journal of business history	Oxford university press	Economics	1467-2227	1467-2235

41.	European review of agricultural economics	Oxford university press	Economics	0165-1587	1464-3618
42.	Enterprise & society	Cambridge university press	Economics	1467-2227	1467-2235
43.	Economic change and restructuring	Springer	Economics	1573-9414	1574-0277
44.	Economic theory	Springer	Economics	0938-2259	1432-0479
45.	Economics of governance	Springer	Economics	1435-6104	1435-8131
46.	Electronic commerce research	Springer	Business and management, economics, computer science	1389-5753	1572-9362
47.	Empirica	Springer	Economics, political science	0340-8744	1573-6911
48.	Empirical economics	Springer	Economics	0377-7332	1435-8921
49.	Environmental and resource economics	Springer	Economics, environmental science	0924-6460	1573-1502
50.	European journal of law and economics	Springer	Economics, law	0929-1261	1572-9990
51.	Experimental economics	Springer	Economics	1386-4157	1573-6938
52.	Ecological economics	Elsevier	Economics, business and management, environmental science	0921-8009	
53.	Economic modelling	North-holland	Economics, business and management	0264-9993	
54.	Economic systems	North-holland	International commerce ,economic systems and theories, economic history	0939-3625	
55.	Economics letters	North-holland	Economics, business and management	0165-1765	
56.	Electronic commerce research and applications	Elsevier	Economics, business and management, computer science, information science	1567-4223	
57.	Emerging markets review	North-holland	Accounting and finance, economics, business and management	1566-0141	
58.	Energy economics	North-holland	Economics, business and management, energy and fuels	0140-9883	
59.	European journal of political economy	North-holland	Political science	0176-2680	
60.	Explorations in economic history	Academic press	Economics, business and management	0014-4983	

61.	Economic policy	Oxford university press	Social sciences	0266-4658	1468-0327
62.	Euromed journal of business	Emerald	Subject: business and economics	Issn: 1450-2194	
63.	European business review	Emerald	Business and economics	0955-534x	
64.	European journal of innovation management	Emerald	Business and economics - management	1460-1060	
65.	European journal of marketing	Emerald	Business and economics - marketing and purchasing	0309-0566	
66.	European journal of training and development	Emerald	Business and economics - management	2046-9012	
67.	Edser: economics-driven software engineering research	Association for computing machinery			
68.	Ekonomisk tidskrift	The scandinavian journal of economics; wiley	Business; economics	0284-7310	
69.	Experimental economics	Springer us	Economics	1386-4157	1573-6938-
70.	Economia politica			1120-2890	1973-820x-
71.	Economic theory bulletin	Springer		2196-1093-	
72.	Eurasian economic review	Springer			2147-429x-
73.	Empirica	Springer us	Economics, political science	0340-8744	1573-6911-
74.	Empirical economics	Springer berlin Heidelberg	Economics	0377-7332	1435-8921

FINDINGS

- Total 178 Universities, 91 CFTIs and 96 AICTE are members of the eShodhSindhu Consortium for accessing e-resources and providing to user community.
- Prominent e-databases in Economics are Annual Reviews, ABI/INFORM, CapitalinePlus, JSTOR, Project Muse, Economics and Political Weekly (EPW), Springer, Elsevier etc. providing e-journals through the Consortium to the member libraries.
- Prominent publishers in economics are Springer Link, Taylor and Francis, Oxford University Press, Wiley Blackwell Publishing etc providing 170 e-resources in Economics.

CONCLUSION

E-resources have become crux of every intellectual activity of higher education system. Realizing the importance of e-resources a large bit of the Universities investing to provide access to these e-resources to help learning, teaching and research. The Economics education assumes an essential role in the present unique business environment. University Grants Commission (UGC) has additionally initiated to provide access to these different categories of e-resources to universities in India at negotiated rates through the eShodhShindhu Consortium provided through the INFLIBNET Center.

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