

Evaluation of Content Analysis of Central and State University Library Websites in Bihar

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Abstract

A University library website is a set of Web Pages, Images, Videos, Digital Contents, E-Content, YouTube, Twitter, Instagram, Facebook, Telegram and other many Apps which are addressed to a Universal of its web addresses i.e. Universal Resource Locator. It provides a wide range of resources and services which are useful to visitors on University library websites. Websites are the popular way to interact with users without physical appearance and are performing an important role in accumulating and disseminating information to the users in the field of Higher Education System. Library is being the social institution and also need to be presence over the websites and show their resources and services as well as interaction with users also. This research paper analyses the content of Library related information provides on websites of Central and State Universities of Bihar from different dimensions to fulfill and satisfy the information needs of users.

Keywords: Content Analysis, Websites, Library Resources, Library Services, Central Universities, State Universities, Bihar.

1. Introduction

The library websites play an important role of any University and educational institution. In the era of information communication technology the World Wide Web is an important communication medium. The library websites and its components provide basic information of library and represent their institution vision and mission. It indicates the quality of services of library and its collection. Social media and websites uses internet and play important role for dissemination of information to their users. Library websites works for their users as information gateway and fulfill information needs of them. So, it is very important to any University library to update their information on their website and provide all information in a systematic way so, that all users would be benefited. The library websites should be interactive and attractive so, that information seekers can get resources easily. Now days the library user are techno-savvy and demanding interactive manner such as Web OPAC, Remote Access, online E-Books, E-Journals, virtual videos library, online messaging system, chat services etc.

Online availability of electronic resources facilitates 24X7 hours access without any limitations. Therefore, library users are more interested to use online resources and services from library and available E-Content on Library websites. Almost, library websites provides such services like-

- Web-OPAC
- E-Books, E-Journals and E-Documents
- E-Contents
- PPTs
- E-Vimarsh
- Online delivery services
- Indexing and abstracting services
- Library portals or websites services
- Federated search
- Alerts services, digital library services and virtual library services
- User orientation programme through platform
- Web based reference services
- Social Media Supports services

2. Review of Literature

In academic study and research a review of literature is an essential component of research activities. It is a systematic and exhaustive study of research. It is attempt to know, identify, locate, analyze and synthesize of research problem and convey to earlier work has been done on a particular research topic. On study of university library websites, there is a several studies have been conducted by different research scholar at various places like European countries, USA, Asian countries and India also. This study is carried out to understand the recent programme and development of social media, library websites components, library and information field and their environments, qualities of services etc.

Ramesh Babu, Jay Shankar and Rao (2010) have studied and analyzed forty central university of India find the web impact factor. For this study he analyzed number of web pages and link pages and ranked the websites of university libraries. Prakash B. (2013) have conducted a study and analyzed the content available on central University libraries websites. He studied features of library websites, online library services, links to other information sources and value added services. Vasishta (2013) has conducted a study of websites of technical university libraries and conclude that technical university libraries are trying to set up useful websites. Sandeep Kumar and Mahendra Singh Mir (2017) have conducted and studied to analyze and compare the content and usability of central Universities of central zone of India. The study revealed that hundred percent of central library subscribe E-Books, E-Journals, E-Database and CD/DVD.

Nilesh Kumar and Shilpi Verma (2018) has conducted a study on content analysis of library websites of NAAC accredited 'A' Grade university in central zone of India. It is noted in the study and findings are the most of library webpage is link to the university home page with the name of library/ central library and link with facilities/central facilities. It also reveals that most of the library websites has mentioned the collection of books, CD/DVD and Journals in their websites. Savitha (2016) has conducted a study on the content analysis of deemed university libraries websites of Karnataka state and the study reveals that hundred percent (100%) of the deemed university library websites provide information about institution, about library, copyright, books, journals and about eighty nine percent (89%) of these provide the information about their working hours, library sections and about back volume of the journals.

3. Scope and limitation of the study

Central Universities in India are established by an act of parliament and are under the purview of the department of higher education in the union home resources development ministry. Universities in India are recognized by the University Grants Commission (UGC) which draws its power from the university grants commission act, 1956. As per UGC websites consolidated list of Central Universities shows 54 (fifty four) and out of fifty four there are 4 Central Universities in Bihar. This research paper included the content analysis of 4 central universities and 18 (eighteen) state universities of Bihar. In this study examine and evaluation of all central and state universities of Bihar library websites, information available on their websites, services, facilities and social media which are provided for its users. This information regarding 75 parameters of library websites is collected.

Information about the central universities and state universities of Bihar is given below in table 1 and table 2 respectively.

Table 1: Information about Central Universities of Bihar

Name of the University & Website Address	Abbreviation	Establishment Year
1. Nalanda University, Nalanda http://www.nalandauniv.edu.in	NU	2010
2. Mahatma Gandhi Central University, Motihari http://www.mgcub.ac.in	MGCU	2016
3. Central University of South Bihar, Gaya http://www.cub.ac.in	CUSB	2009
4. Dr. Rajendra Prasad Central Agricultural University, Samastipur http://www.rpcau.ac.in	RPCAU	2016

Table 2: Information about State Universities of Bihar

Name of the University & Website Address	Abbreviation	Establishment Year
5. Babasaheb Bhimrao Ambedkar Bihar University, Muzaffarpur http://www.brabu.net	BRABU	1960
6. Bhupender Narayan Mandal University, Madhepura http://www.bnmu.bih.nic.in	BNMU	1992
7. Jai Prakash Vishwavidyalay(University), Chhapra http://www.jpv.bih.nic.in	JPV	1990
8. Lalit Narayan Mithila University, Darbhanga http://www.lnmu.in	LNMU	1972
9. Magadh University, Bodh Gaya http://www.magadhuniversity.ac.in	MU	1964
10. Arybhata Knowledge University, Patna http://www.akubihar.ac.in	AKU	2008
11. Patliputra University, Patna http://www.ppup.ac.in	PPUP	2018

12. Patna University, Patna http://www.patnauniversity.ac.in	PU	1917
13. T.M. Bhagalpur University, Bhagalpur http://www.tmbu.org	TMBU	1960
14. Veer Kunwar Singh University, Ara http://www.vksu-ara.org	VKSU	1976
15. Purnea University, Purnea http://www.purneauniversity.ac.in	PUP	2018
16. Munger University, Munger http://www.mungeruniversity.ac.in	MUM	2018
17. Bihar Agricultural University, Bhagalpur http://www.bausabour.ac.in	BAU	2010
18. Bihar Animal Science University, Patna http://www.basu.org.in	BASU	2016
19. Chanaky National Law University, Patna http://www.cnlu.ac.in	CNLU	2006
20. Kameshwar Singh Darbhanga Sanskrit Vishwavidyalaya, Darbhanga http://www.ksdsv.edu.in	KSDSV	1961
21. Maulana Mazharul Haque Arabic and Persian University, Patna http://www.mmhapu.bih.nic.in	MMHAP	1976
22. Nalanda Open University, Patna http://www.nou.ac.in	NOU	1987

4. Objective of the study

The objectives of the content analysis of library websites of university are:

- To know the basic information about central and state university of Bihar.
- To know the information about central and state university library websites address and its kinds.
- To know the information about central and state university library websites contents.
- To know the information regarding website content, accesses of electronic documents, electronic resources and other facilities which are provided by concerned library websites.

5. Research methodology

In this study the data has been collected from the central and state universities library websites through observation method. After observation and visited each central and state university library websites, data analyzes and evaluated it to till 20 February 2020. This research activity is purpose to identify and get the information regarding library websites resources, services and other facilities.

6. Data analysis and interpretation

Data collected through the websites of Central and State universities established in Bihar during the research period till February 2020 have been given in tables from table 3 to table 8. The interpretations of the each table are mentioned clearly below them.

Table 3: Qualitative features of the university websites

Name of the Universities	Qualitative Features								
	About University	About University Library	Library Name	Phone	Fax	Email	Site Content Language	Browser IE 10 or above	Required Plug-in
NU	Y	Y	Y	Y	Y	Y	Eng.	Y	N
MGCU	Y	Y	Y	Y	Y	Y	Eng.	Y	N
CUSB	Y	Y	Y	Y	Y	Y	Eng.	Y	N
RPCAU	Y	Y	Y	Y	Y	Y	Eng.	Y	N
BRABU	Y	N	N	Y	Y	Y	Eng.	Y	N
BNMU	Y	N	N	Y	Y	Y	Eng.	Y	N
JPV	Y	N	N	Y	Y	Y	Eng.	Y	N
LNMU	Y	N	N	Y	Y	Y	Eng.	Y	N
MU	Y	N	Y	Y	Y	Y	Eng.	Y	N
AKU	Y	N	Y	Y	Y	Y	Eng.	Y	N
PPUP	Y	N	N	Y	Y	Y	Eng.	Y	N
PU	Y	Y	Y	Y	Y	Y	Eng.	Y	N
TMBU	Y	Y	Y	Y	Y	Y	Eng.	Y	N
VKSU	Y	N	N	Y	Y	Y	Eng.	Y	N
PUP	Y	N	Y	Y	Y	Y	Eng.	Y	N
MUM	Y	N	N	Y	Y	Y	Eng.	Y	N
BAU	Y	Y	Y	Y	Y	Y	Eng.	Y	N
BASU	Y	Y	Y	Y	Y	Y	Eng.	Y	N
CNLU	Y	Y	Y	Y	Y	Y	Eng.	Y	N
KSDSV	Y	Y	Y	Y	Y	Y	Eng.	Y	N
MMHAP	Y	N	Y	Y	Y	Y	Eng.	Y	N
NOU	Y	N	N	Y	Y	Y	Eng.	Y	N

Y = 'Yes' and N = 'No'; IE = 'Internet Explorer'

Data of table 3 shows qualitative features of central and state universities. On the basis of nine parameters and it is related with Library website some interpretation and findings are as follows:

- Out of twenty two (22) universities of Bihar including central and state universities i.e. NU, MGCU, CUSB, RPCAU, PU, TMBU, BAU, BASU, CNLU and KSDSV are fulfilling eight parameters except required plug-in parameters.
- Ten (45%) universities of total university library websites are fulfilling eighty nine percent (89%) of parameters of table 3.
- Out of twenty two (22) universities of Bihar 12 universities i.e. BRABU, BNMU, JPV, LNLMU, MU, AKU, PPUP, VKSU, PUP, MUM, MMHAP and NOU are fulfilling less than eight parameters.
- Twelve universities are fulfilling i.e. fifty five percent (55%) of total university library websites are fulfilling less than eighty nine percent (89%) of parameters of table 3.

Table 4: Contents of Library Web Page

Name of the Universities	Contents of Library Web Page											
	Home	Mission	Staff Information	Library rules & regulation	News & events	Contact Information	Frequently Ask Questions	Newsletter	Visitor number /Web counter	Library history	Library committee /Advisory committee	Photo/ Video gallery
NU	√	√	√	√	√	√	√	X	√	√	√	√
MGCU	√	√	√	√	√	√	√	√	√	√	X	√
CUSB	√	√	X	√	√	√	X	X	√	√	X	√
RPCAU	√	√	√	√	√	√	X	X	√	√	√	√
BRABU	√	X	X	X	X	√	X	X	√	X	X	X
BNMU	√	X	X	X	X	√	X	X	√	X	X	X
JPV	√	X	X	X	X	√	X	X	√	X	X	X
LNMU	√	√	√	√	√	√	√	√	√	√	√	√
MU	√	X	X	X	X	√	X	X	√	X	X	X
AKU	√	X	X	X	X	√	X	X	√	X	X	X
PPUP	√	X	X	X	X	√	X	X	√	X	X	X
PU	√	√	√	√	√	√	√	√	√	√	√	√
TMBU	√	√	√	√	√	√	X	√	√	√	X	√
VKSU	√	X	X	X	X	√	X	X	√	X	X	X
PUP	√	X	X	X	X	√	X	X	√	X	X	X
MUM	√	X	X	X	X	√	X	X	√	X	X	X
BAU	√	√	√	√	√	√	X	X	√	√	X	√
BASU	√	√	√	√	√	√	X	X	√	√	X	√
CNLU	√	√	X	X	X	√	X	X	√	X	X	X
KSDS	√	√	√	√	X	√	X	X	√	√	√	√
MMHAP	√	X	X	X	X	√	X	X	√	X	X	X
NOU	√	√	X	X	X	√	X	X	√	X	X	X

Note: For Yes (√) and for No (X)

Data of table 4 shows Contents of the Library web pages of central and state universities. On the basis of twelve parameters and it is related with Library website some interpretation and findings are as follows:

- Out of the 22 universities of Bihar 10 universities i.e. NU, MGCU, CUSB, RPCAU, LNLMU, PU, TMBU, BAU, BASU and KSDSV are fulfilling more than eight parameters.
- Ten Universities are fulfilling i.e. forty five percent (45%) of total university library websites are fulfilling sixty seven percent (67%) of parameters of table 4.
- 12 university libraries i.e. BRABU, BNMU, JPV, LNLMU, MU, AKU, PPUP, VKSU, PUP, MUM, MMHAP and NOU are fulfilling less than eight parameters.
- Twelve Universities (55%) are fulfilling less than sixty seven percent (67%) of parameters.

Generally fifty five percent of total library websites of universities of Bihar have not provided newsletter, about library committee, frequently asked questions and regarding staff information. This information would enhance the satisfaction of their user needs also and through it they connect to the Library.

Table 5: Links available for Library Services

Name of Universities	Various Library Services													
	Information Desk	Newspaper clipping	Reprographic services	Information literacy	New Arrivals	Inter Library Loan services	Document Delivery Services	Current Awareness Services	Plagiarism checking tools	Web search services	Ask a Librarian	OPAC	Reference Services	DELNET services
NU	√	√	√	√	√	√	√	√	√	√	√	√	√	√
MGCU	√	√	√	√	√	√	√	√	√	√	X	√	√	√
CUSB	√	X	√	√	√	√	√	√	√	√	X	√	√	√
RPCAU	√	X	√	√	√	√	√	√	X	√	X	√	√	X
BRABU	X	X	X	X	X	X	X	X	X	X	X	X	X	X
BNMU	X	X	X	X	X	X	X	X	X	√	X	X	X	X
JPV	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LNMU	√	X	√	X	X	√	√	√	√	√	X	√	√	X
MU	X	X	√	X	X	X	X	√	X	√	X	√	X	X
AKU	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PPUP	X	X	X	X	X	X	X	X	X	X	X	x	X	X
PU	√	√	√	√	√	√	√	√	√	√	√	√	√	√
TMBU	√	X	√	√	√	√	√	√	√	√	X	√	√	√
VKSU	√	X	X	X	X	X	X	X	X	√	X	X	X	X
PUP	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MUM	X	X	X	X	X	X	X	X	X	X	X	X	X	X
BAU	√	X	√	√	√	√	√	√	X	√	X	√	√	X
BASU	√	X	√	√	√	√	√	√	X	√	X	√	√	X
CNLU	X	√	√	√	X	√	X	√	X	√	X	√	√	X
KSDS	√	√	√	√	√	√	√	√	X	√	√	√	√	X
MMHAP	X	X	X	X	X	X	X	X	X	X	X	X	X	X
NOU	X	X	X	X	X	X	X	X	X	X	X	X	√	X

Note: For Yes (√) and for No (X)

Table 5 shows the Library services available through the library websites of central and state universities. Following interpretations have been recorded on the basis of 14 parameters:

- Out of twenty two (22) universities of Bihar including central and state universities 9 universities i.e. NU, MGCU, CUSB, RPCAU, PU, TMBU, BAU, BASU and KSDSV are fulfilling more than 10 parameters out of 14 parameters.
- 9 (45%) library websites are fulfilling seventy one percent (71%) of parameters.
- 13 (41%) universities i.e. BRABU, BNMU, JPV, LNMU, MU, AKU, PPUP, VKSU, PUP, MUM, CNLU, MMHAP and NOU are fulfilling less than eight (71%) parameters.

It can be seen that 59% of total library websites have not provided newspaper clippings, plagiarism software, asked Librarian and DELNET services. This information would enhance the satisfaction of their user needs also and through it they connect to the Library.

Table 6: Links available for Library Resources

Library Resources	Central Universities				State Universities																	
	NU	MGCU	CUSB	RPCAU	BRABU	BNMU	JPV	LNMU	MU	AKU	PPUP	PU	TMBU	VKSU	PUP	MUM	BAU	BASU	CNLU	KSDSV	MMHA	NOU
Links to search engines	√	√	√	√	X	√	X	√	X	X	√	√	√	√	X	X	√	√	√	√	X	X
Links to reference Books	√	√	√	√	X	X	X	√	X	X	X	√	√	X	X	X	√	√	X	√	X	X
Rare Collections	√	X	X	√	X	X	X	√	X	X	X	√	√	X	X	X	√	√	X	√	X	X
E-theses & Dissertations	√	√	√	√	X	X	X	√	X	X	√	√	√	X	X	X	√	√	√	√	X	√
Union Catalogue	√	√	√	√	X	X	X	X	X	X	X	√	X	X	X	X	√	√	X	√	X	X
Digital Library Consortia	√	√	√	√	√	√	X	√	√	√	√	√	√	√	X	√	√	√	√	√	X	√
Remote Access information	√	√	√	√	X	X	X	√	X	X	X	√	√	X	X	X	√	√	X	√	X	X
Subject guide links	X	√	√	√	X	X	X	X	X	X	X	√	X	X	X	X	X	√	X	X	X	X
E-Magazine	√	X	√	X	X	X	X	√	X	X	X	√	X	X	X	X	√	√	X	X	X	X
E-newspapers link	√	√	√	X	X	X	X	X	X	X	X	√	X	X	X	X	√	√	√	X	X	X
Institutional Repositories	√	√	√	√	X	X	X	√	X	√	√	√	√	√	X	X	√	√	√	√	X	X
Webmaster	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Services for faculty member	√	√	√	√	X	X	X	√	X	X	X	√	√	X	X	X	√	√	X	√	X	X
Information for specially able user	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	√	√	X	X	X	X
Book Recommendation	√	√	√	√	X	X	X	X	X	X	X	√	X	X	X	X	√	√	X	X	X	X
Archive Volumes	√	√	√	√	X	X	X	√	X	X	X	√	√	X	X	X	√	√	√	√	X	X
Bibliographic Databases	√	√	√	√	X	X	X	√	X	X	X	√	X	X	X	X	√	√	X	√	X	X
User Feedback	√	√	√	X	X	X	X	X	X	X	X	√	X	X	X	X	X	X	X	X	X	X
Book reservation	√	√	√	√	X	X	X	√	X	X	X	√	√	X	X	X	√	√	X	X	X	X
Help	√	√	√	√	√	√	√	√	√	X	X	√	√	√	√	√	√	√	X	√	√	√

Note: For Yes (√) and for No (X)

Data of table 6 shows Library Resources of central and state universities. On the basis of 20 parameters related with Library website some interpretation and findings are as follows:

- Out of twenty two (22) universities of Bihar including central and state universities 7 universities i.e. NU, MGCU, CUSB, RPCAU, PU, BAU are BASU are fulfilling more than fifteen parameters.
- 7 (32%) universities are fulfilling sixty eight percent (68%) of parameters of table 6.
- 14 universities of Bihar i.e. BRABU, BNMU, JPV, LNMU, MU, AKU, PPUP, TMBU, VKSU, PUP, MUM, KSDS, MMHAP and NOU are fulfilling less than fifteen parameters.
- 15 (68%) university Library websites are fulfilling less than sixty eight percent (68%) of parameters of table 6.

It is evident that sixty eight percent (68%) of total universities of Bihar library websites have not provided rare collections, e-magazine, and information for especially able user and regarding user feedback. This information would enhance the satisfaction of their user needs also and through it they connect to the Library.

Table 7: Library 2.0 features

Library 2.0 features	Central Universities				State Universities																	
	NU	MGCU	CUSB	RPCAU	BRABU	BNMU	JPV	LNMU	MU	AKU	PPUP	PU	TMBU	VKSU	PUP	MUM	BAU	BASU	CNLU	KSDSV	MMHAP	NOU
Facebook	X	√	X	X	X	X	X	X	X	X	X	√	X	X	X	X	√	√	X	X	X	X
Youtube	X	√	X	X	X	X	X	X	X	X	X	√	X	X	X	X	X	X	X	X	X	X
Whatsapp	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Blog	X	X	X	X	X	X	X	X	X	X	X	√	X	X	X	X	X	X	X	X	X	X
Twitter	X	X	X	X	X	X	X	X	X	X	X	√	X	X	X	X	X	X	X	X	X	X
E-Mail	√	√	X	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Instagram	X	X	X	X	X	X	X	X	X	X	X	√	X	X	X	X	X	X	X	X	X	X
Telegram	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Flicker	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Picture of Library	√	√	X	√	X	X	X	√	X	X	X	√	√	X	X	X	√	√	X	√	X	X
QR Code	X	X	X	X	X	X	X	X	X	X	X	√	X	X	X	X	X	X	X	X	X	X
RSS Feeds	X	X	X	X	X	X	X	X	X	X	X	√	X	X	X	X	X	X	X	X	X	X
Weather Information	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Podcasts	X	X	X	X	X	X	X	X	X	X	X	√	X	X	X	X	X	X	X	X	X	X
Mobile app	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Wikipedia	X	X	X	X	X	X	X	X	X	√	X	√	√	√	X	X	√	√	√	√	X	X
File Sharing	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Video/File Sharing	√	X	X	X	X	X	X	√	X	X	X	√	X	X	X	X	X	X	X	X	X	X
Calendar	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Google Plus	√	√	√	X	X	X	X	X	X	X	X	√	X	X	X	X	X	X	X	X	X	X

Note: For Yes (√) and for No (X)

Data of table 7 shows Library 2.0 features of central and state universities. 20 parameters have been included in this present study, which are related with Library website. Interpretation and findings of table 7 are as follows:

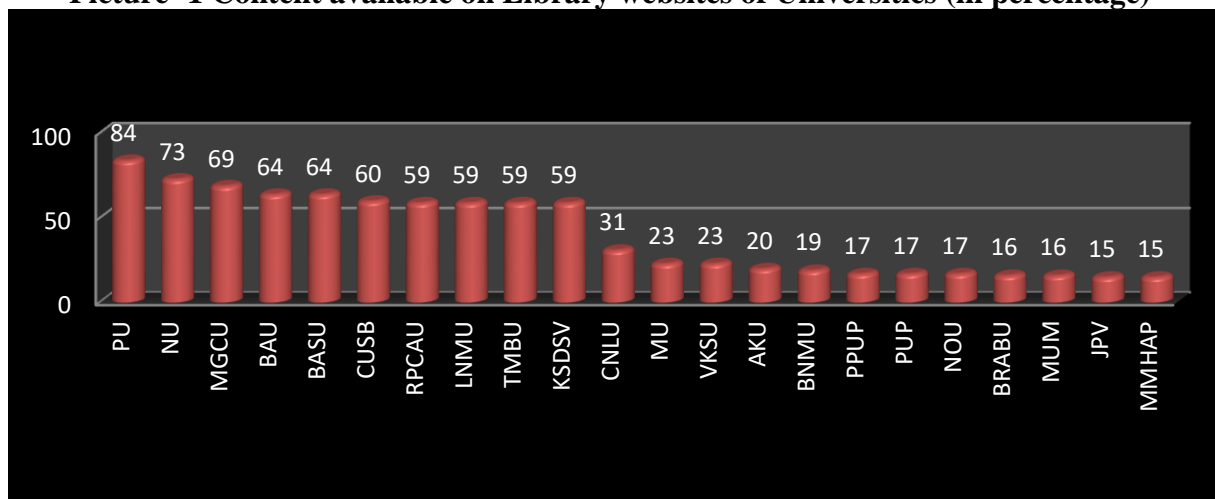
- Out of twenty two (22) universities of Bihar including central and state universities 3 universities i.e. NU, MGCU and PU are fulfilling more than four parameters.
- Three Universities are fulfilling i.e. thirteen percent (13%) of total university library websites are fulfilling twenty percent (20%) of parameters of table 7.
- 19 universities of Bihar i.e. CUSB, BRABU, RPCAU, BNMU, JPV, LNMU, MU, AKU, PU, TMBU, BAU, BASU, KSDSV, PPUP, VKSU, PUP, MUM, MMHAP and NOU are fulfilling less than four parameters.
- 19 (86%) university websites are fulfilling less than twenty percent (20%) of parameters.

It is clear from table 7 that 86% of total universities of Bihar library websites have been not provided many Library 2.0 services i.e. mobile apps, podcasts, picture of library, flicker, blog, instagram, QR code, newsletter, about library committee, frequently asked questions and regarding staff information. This information would enhance the satisfaction of their user needs also and through it they connect to the Library.

Table-8: Overall Evaluation of Library websites (N=75)

S.N.	Name of the University	Available Number of Parameters	Percentage (%)	Rank
1	PU	63	84	1
2	NU	55	73	2
3	MGCU	52	69	3
4	BAU	48	64	4
5	BASU	48	64	4
6	CUSB	45	60	5
7	RPCAU	44	59	6
8	LNMU	44	59	6
9	TMBU	44	59	6
10	KSDSV	44	59	6
11	CNLU	23	31	7
12	MU	17	23	8
13	VKSU	17	23	8
14	AKU	15	20	9
15	BNMU	14	19	10
16	PPUP	13	17	11
17	PUP	13	17	11
18	NOU	13	17	11
19	BRABU	12	16	12
20	MUM	12	16	12
21	JPV	11	15	13
22	MMHAP	11	15	13

Picture -1 Content available on Library websites of Universities (in percentage)



Data of table 8 shows the overall evaluation of Library websites of central and state universities of Bihar. A total number of 75 parameters related with Library websites appeared from tables 3 to 7 were the basis for overall evaluation of these university websites. Analysis of the table 8 and figure 1 reveals that out of twenty two (22) universities of Bihar including central and state universities 10 (45%) universities i.e. PU, NU, MGCU, BAU, BASU, CUSB, RPCAU, LNMU, TMBU and KSDSV are fulfilling overall 59% or more parameters; 4 universities i.e. CNLU, MU, VKSU and AKU fulfill 31% to 20% parameters whereas remaining 8 universities fulfill less than 20% parameters. Rank wise universities PU, NU and MGCU stands on rank 1, 2 and 3 respectively whereas the universities MMHAP and JPV both stand on last rank 13.

7. Conclusion

In this research study, it represents the library websites content of 04 (four) central universities and 18 (eighteen) state universities of Bihar. In this study, it is found that most of the resources and services are easily available on library website portals. It is observed that these contents are most useful for related users and other library users also. In this digital era, contents of the library websites would play an important role in providing information resources and services. Patna University is an oldest university in Bihar and its library websites are well organized and provide much and sufficient information for their users. It fulfills 84 percent parameters of website contents elements. Nalanda University, Mahatma Gandhi Central University, Bihar Agricultural University, Bihar Animal Science University, South Bihar Central University Library Websites are also provided sufficient information for their users and faculties and covers 73 to 60 percent parameters of website contents.

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