

## **Informatics of Library Websites of UGC Reorganized State Private University: An Evaluative Study in West Bengal**

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**Abstract:** The focal point of any educational institution is its library. In the present era, libraries have become a challenge for all educational institutions to increase the quality of education. The present study, a web based survey and observation method was conducted to position and assess the content of library websites of UGC reorganized state private university located in West Bengal, India during March to May, 2024. The eleven state private university library websites in West Bengal are analyzed for the study purpose. The library websites of studied state private universities were identified from Google. The researcher has a working assessment tactic for studying the content analysis on library websites of state private universities in West Bengal, India. Out of eleven state private university libraries, one of the university library websites obtained an 'Excellent' rank of content analysis on library websites. All the university library websites were ranked with 'Good', 'Very good' and 'Need Improvement'. St. Xavier's University library got highest total score of 34 out of 40 points ranked with 'Excellent', followed by Adamas University, Amity University, Brainware University library with 31 points ranked with 'Very Good'; University of Engineering and Management Libraries with 27 points ranked with 'Very Good' and JIS University Library with 24 points ranked as 'Good'. Three university libraries of The Neotia University, Sister Nivedita University and Techno India University are ranked with 'Below Average'. Two university libraries of Swami Vivekananda University, Seacom Skills University are ranked with 'Poor'. The main purpose of this research paper is to guide state private university librarians and library and information science professionals to improve their library websites.

**Keywords:** Informatics, Library Websites, State Private University, Analysis of Library Content, West Bengal

## **1. Introduction:**

The phenomenal growth of technology, especially in the Internet and web environment, has completely changed the dimension of Information and Communication Technology (ICT). As a result, a new generation of tech-savvy people has emerged, who are fully attuned to modern technology. In this changing context, Libraries and Information Centers are feeling the need to transform their traditional services into web-enabled forms, to meet the dynamic, diverse and ever-changing needs of the users.

Library website has become a key role for any academic institution. As such, its role is not less for the setup of a private university, from the point of view of users' needs. So, Library websites play a dominant role in marketing their information products and services for information accessibility and use.

In this present study, the author has investigated developing and designing better uniform type of library websites of UGC recognized state private universities in West Bengal importance. The main objective of this study is to guide Library and Information Science professionals to improve the obtainable library websites of their private universities and present their information.

## **2. State Private University Importance:**

**2.1 Adamas University:** Adamas University is a best state private university in eastern India. It's located at Barasat, West Bengal. The university was established in 2014 by RICE education group. It is recognized by the University Grants Commission (UGC).

**2.2 Amity University:** Amity University is a state private university. It's located at Kolkata, West Bengal. It was founded in 2015 by Amity education group. It is recognized by the University Grants Commission (UGC).

**2.3 Brainware University:** Brainware University is a state private university. It's located at Kolkata, West Bengal. It was founded in 2016 by Brainware Group of Institutions. It is recognized by the University Grants Commission (UGC).

**2.4 JIS University:** JIS University is a state private university located in Agarpara, West Bengal. It was established in 2015 by the JIS group. It is recognized by the University Grants Commission (UGC).

**2.5 Seacom Skills University:** Seacom Skills University is a state private university located in Bolpur, West Bengal. It was established in 2014. It is recognized by the University Grants Commission (UGC).

**2.6 Sister Nivedita University:** Sister Nivedita University is a state private university located in Kolkata, West Bengal. It was established in 2018. It is recognized by the University Grants Commission (UGC).

**2.7 St. Xavier's University:** St. Xavier's University is a state private university located in Kolkata, West Bengal. It was established in 2017. It is recognized by the University Grants Commission (UGC).

**2.8 Swami Vivekananda University:** Swami Vivekananda University is a state private university located in Kolkata, West Bengal. It was established in 2019 by Swami Vivekananda Group of Institutions. It is recognized by the University Grants Commission (UGC).

**2.9 Techno India University:** Techno India University is a semi-private university located in Kolkata, West Bengal. It was established in 2012. It is recognized by the University Grants Commission (UGC).

**2.10 The Neotia University:** The Neotia University University is a state private university located in Kolkata, West Bengal. It was established in 2015 by Ambuja Neotia Group. It is recognized by the University Grants Commission (UGC).

**2.11 University of Engineering and Management:** University of Engineering and Management is a state private university located in Kolkata, West Bengal. It was established in 2015 Institute of Engineering and Management (IEM) Group. It is recognized by the University Grants Commission (UGC).

### 3. Literature Review:

**Mustafa & Khan (2023)** in their article evaluated ten selected library websites from colleges affiliated to JNTU, Hyderabad for their usability, accuracy and accessibility. Additionally, it discusses the features and services offered by the websites <sup>[12]</sup>.

**Tunga (2021)** in this paper concerned with web based content analysis of library websites of Institute of National Importance in West Bengal. The main objective of this paper is to guide library and information science professionals to improve their existing institute library websites <sup>[22]</sup>.

**Das & Gurey (2021)** in their article showed that, the purpose of this paper is to analyze and evaluate the web content of websites of 26 selected state universities of West Bengal as per UGC, under the Ministry of Education, Government of India and its contribution to global academic knowledge base <sup>[4]</sup>.

**Mumtaz, Shahzad (2021)** in their paper summarized the web-based content of university library websites in Pakistan. The study population consisted of 177 HEC recognized public and private sector university library websites. Case study research method based on observation was used to evaluate web-based content of HEC recognized public and private sector university library websites <sup>[11]</sup>.

**Rahman & Batcha (2020)** in their article examined the accessibility, accuracy, currency and user-friendliness of websites of ten selected libraries of affiliated colleges of Delhi University. It further discusses the services and facilities offered by the Websites <sup>[15]</sup>.

**Pandey (2020)** in this article analyzed the content of library related information offered on the websites of central and state universities of Bihar to meet and satisfy users' information needs <sup>[13]</sup>.

**Das and Das (2018)** evaluated the web content of 07 IISER library websites and investigated the usability of 07 IISER library websites with identified criteria to verify validity, reliability and usefulness <sup>[5]</sup>.

**Kumar and Verma (2018)** in their article examined the content of library websites of NAAC accredited "A" grade 06 universities in the Central Zone of India <sup>[8]</sup>.

**Verma and Devi (2016)** analyzed and evaluated the web content of 12 IIM library websites in India by enumerating 112 criteria under 10 headings <sup>[25]</sup>.

**Manjunatha (2016)** in this article analyzed content analysis of eight special library websites placed in Bengaluru i.e. Central Power Research Library (CPRI), Indian Institute of Astrophysics (IIA), Indian Institute of Horticultural Research (IIHR), Indian Plywood Industries Research and Training Institute (IPIRTI), Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), National Aerospace Laboratories (NAL), National Centre for Biological Science (NCBS), Raman Research Institute (RRI) Library<sup>[10]</sup>.

**Verma & Devi (2015)** in their article examined the contents available in the library webpage of the 07 Central Universities of the North Eastern States in India<sup>[24]</sup>.

**Lamani & Keshava (2015)** shows in their article, evaluation of university library homepages of 27 universities, out of 96 universities in the south Indian states like Karnataka, Tamil Nadu, Andhra Pradesh and Kerala<sup>[9]</sup>.

**Krishnakumar & Nirmala (2014)** have shown in their article that the aim of this paper is to analyze library content in terms of collections, departments, services and website tools of deemed universities in Tamil Nadu<sup>[7]</sup>.

**Pareek & Gupta (2013)** shows in their article, this paper investigates library websites in Rajasthan, analyzes their content and navigational strengths and weaknesses and provides recommendations for developing better web sites and quality assessment studies<sup>[14]</sup>.

#### 4. Objectives:

The main objectives for this research are mentioned below:

- i. To know the number of state private university working in West Bengal;
- ii. To examine the basic information available in these state private university library websites;
- iii. To know the library collection, library services and links to other resources available in state private university library websites;
- iv. To organize the comparative checklist of state private university library websites;
- v. To find out the rank list of state private university library websites.

#### 5. Scope and Coverage:

There are 11 state private universities in West Bengal, India recognized by the University Grants Commission (UGC). The present study has been confined to examine the basic information available in these state private university library websites.

#### 6. Methodology:

The present study, a web based survey and observation method, was conducted to position and assess the content of library websites of state private university located in West Bengal, India during March to May, 2024. The eleven state private universities library websites in West Bengal are analyzed for the study purpose. The library websites of studied state private university were identified

from Google. The researcher has a working assessment tactic for studying the content analysis on library websites of state private universities in West Bengal. So, the collected data was tabulated, diagrams and analyzed for the purpose of explanation and discussion.

## 7. Data Collection and Analysis:

### 7.1 List of State Private University in West Bengal

The list of eleven state private universities in West Bengal, India with status, establishment year and website address in West Bengal, India.

Sl. No.	Name of the university and location	Abbreviation	Type	Establishment year	University website
1	Adamas University, Barasat	AU	State Private University	11.04.2014	<a href="http://www.adamasuniversity.ac.in">www.adamasuniversity.ac.in</a>
2	Amity University, Kolkata	AMITY	State Private University	21.01.2015	<a href="http://www.amity.edu/kolkata">www.amity.edu/kolkata</a>
3	Brainware University, Barasat	BWU	State Private University	24.02.2016	<a href="https://brainwareuniversity.ac.in/">https://brainwareuniversity.ac.in/</a>
4	JIS University, Agarpara	JISU	State Private University	03.02.2015	<a href="https://www.jisuniversity.ac.in/">https://www.jisuniversity.ac.in/</a>
5	Seacom Skills University, Bolpur	SSU	State Private University	11.04.2014	<a href="https://seacomskillsuniversity.org/">https://seacomskillsuniversity.org/</a>
6	Sister Nivedita University, Kolkata	SNU	State Private University	22.02.2018	<a href="http://snuniv.ac.in/">http://snuniv.ac.in/</a>
7	St. Xavier's University, Kolkata	SXUK	State Private University	16.01.2017	<a href="https://www.sxuk.edu.in/">https://www.sxuk.edu.in/</a>
8	Swami Vivekananda	SVU	State Private University	05.12.2019	<a href="http://www.swamivivekanandauiversity.ac.in/">http://www.swamivivekanandauiversity.ac.in/</a>

	University, Kolkata		sity		
9	Techno India University, Kolkata	TIU	State Private University	16.08. 2012	<a href="https://technoindiauniversity.ac.in/">https://technoindiauniversity.ac.in/</a>
10	The Neotia University, Kolkata	TNU	State Private University	01.02.201 5	<a href="https://www.tnu.in/">https://www.tnu.in/</a>
11	University of Engineering and Management, Kolkata	UEM	State Private University	03.02.201 5	<a href="https://uem.edu.in/uem-kolkata/">https://uem.edu.in/uem-kolkata/</a>

**Table- 1:** List of State Private University in West Bengal

## 7.2 Library Website Profile of State Private University in West Bengal

The library website profile of state private university importance in West Bengal, India.

Sl. No.	Name of the University	Name of the University Library and Library Website Address	Library Webpage
1	Adamas University	Granthalaya <a href="https://aulibrary.adamasuniversity.ac.in/">https://aulibrary.adamasuniversity.ac.in/</a>	Yes
2	Amity University	<a href="http://136.233.42.17/cgi-bin/koha/opac-main.pl">http://136.233.42.17/cgi-bin/koha/opac-main.pl</a>	No
3	Brainware University	<a href="https://www.brainwareuniversity.ac.in/library-info/">https://www.brainwareuniversity.ac.in/library-info/</a>	Yes
4	JIS University	<a href="https://www.jisuniversity.ac.in/library.php">https://www.jisuniversity.ac.in/library.php</a>	Yes
5	Seacom Skills University	<a href="https://www.seacomskillsuniversity.org/academics/library">https://www.seacomskillsuniversity.org/academics/library</a>	Yes
6	Sister Nivedita University	<a href="https://www.snuniv.ac.in/page.aspx?page_id=46">https://www.snuniv.ac.in/page.aspx?page_id=46</a>	No
7	St. Xavier's University	<a href="https://sxuk.edu.in/sxuk_Library">https://sxuk.edu.in/sxuk_Library</a>	Yes
8	Swami Vivekananda	<a href="https://www.swamivivekanandauniversity.ac.in/infrastucture">https://www.swamivivekanandauniversity.ac.in/infrastucture</a>	Yes

	da University		
9	Techno India University	<a href="https://www.technoindiauniversity.ac.in/index3.php?id=31">https://www.technoindiauniversity.ac.in/index3.php?id=31</a>	No
10	The Neotia University	<a href="https://www.tnu.in/library/about-us/">https://www.tnu.in/library/about-us/</a>	Yes
11	University of Engineering and Management	T. C. Dutt Memorial Library <a href="https://uemk-opac.l2c2.co.in/">https://uemk-opac.l2c2.co.in/</a>	Yes

**Table- 2:** Library Website Profile of State Private University in West Bengal

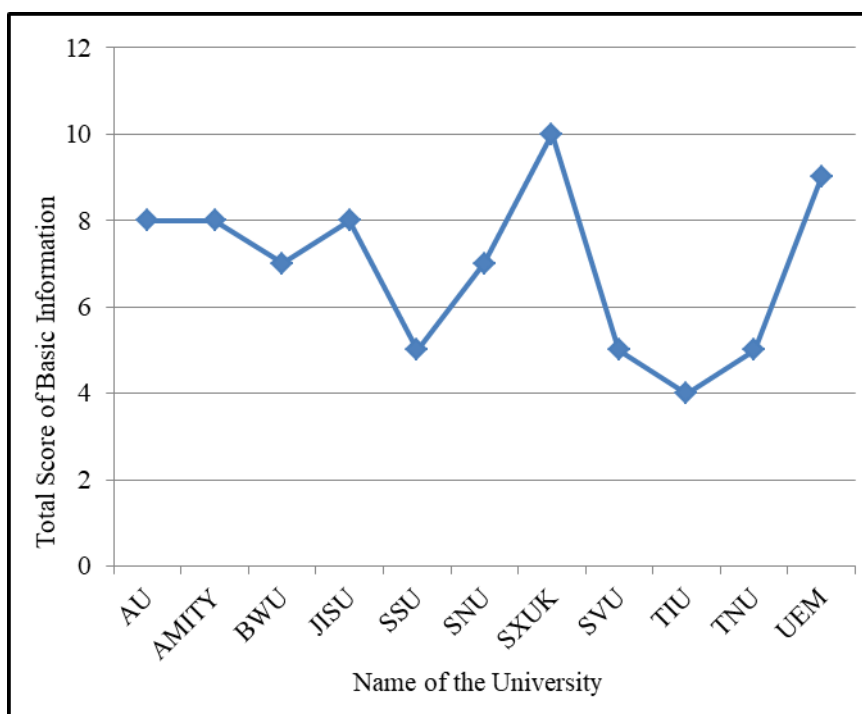
Only eight state private university libraries of Adamas University, Brainware University, JIS University, Seacom Skills University, St. Xavier's University, Swami Vivekananda University, The Neotia University, University of Engineering and Management have separate library homepage. Remaining other three state private university library websites are not available.

### 7.3 Basic Information of State Private University Libraries:

The basic information of eleven state private university importance libraries in West Bengal state.

Sl. No.	Website content	AU	AMITY	BWU	JISU	SSU	SNU	SXUK	SUVU	TIU	TNU	UEM	Total (11)
1	About Library	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	11
2	Contact Us	Y	Y	Y	Y	-	Y	Y	-	-	Y	Y	8
3	Library Hours	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	11
4	Library Rules	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	11
5	Library Staff	-	Y	Y	Y	-	-	Y	-	-	-	Y	5
6	Library Committee	Y	Y	-	-	-	-	Y	-	-	-	-	3
7	Membership	Y	Y	Y	Y	-	Y	Y	-	-	-	Y	7
8	Photo	Y	-	-	-	Y	Y	Y	Y	-	-	Y	6

	Galler y												
9	Public ation	-	-	-	Y	-	-	Y	-	-	-	Y	3
1 0	Librar y Servic es	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	11
Total Score (Max.10)		8	8	7	8	5	7	10	5	4	5	9	
Percentage (%)		80	80	70	80	50	70	100	50	40	50	90	

**Table- 3:** Basic Information of State Private University Libraries**Fig- 1:** Total score of Basic Information of State Private University Libraries

Above table shows that Library websites of eleven universities were provided basic information on About Library, Library Hours, Library Rules and Library Services. Eight universities library websites were provided Contact Us. Seven university library websites were provided with Membership. Six university libraries were provided with a Photo Gallery. Five university libraries were provided by Library Staff. Three university libraries were provided by the Library Committee and Publication.



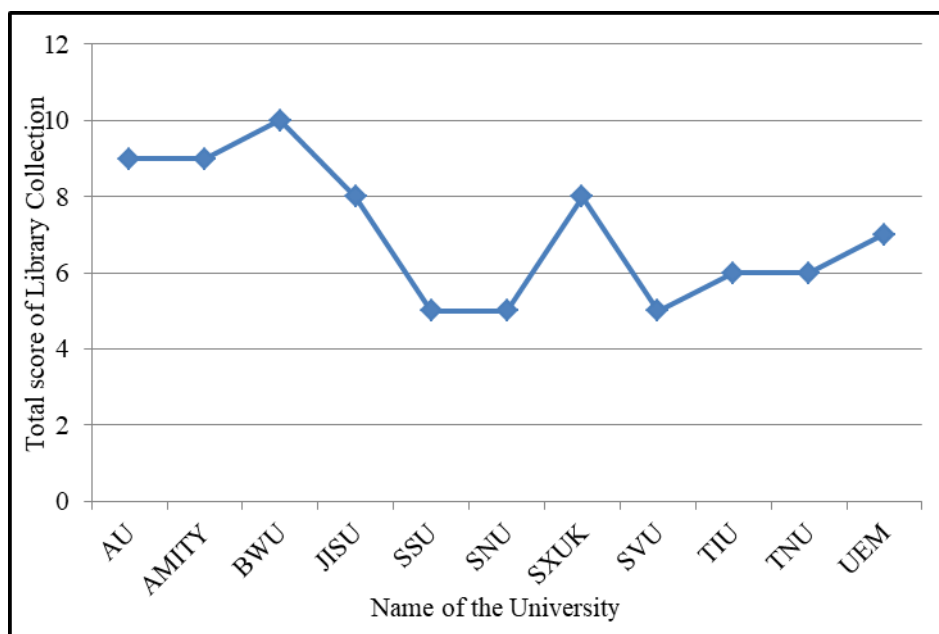
While the SXUK library website provided 100% of the basic information, the UEM library websites provided 90% of the basic information. TIU library provided very less 40% information on their library websites.

#### 7.4 Library Collection

The library collection of library websites of state private university importance in West Bengal state.

Sl. No.	Website content on collection	AU	AMITY	BWU	JISU	SSU	SNU	SXUK	SVU	TIU	TNU	UEM	Total (11)
1	CD/DVD	-	Y	Y	Y	-	-	Y	-	-	-	Y	5
2	Digital repository	Y	Y	Y	Y	-	-	Y	-	-	-	-	5
3	E-Resources	Y	Y	Y	Y	-	Y	Y	Y	Y	Y	Y	10
4	Institutional repository	Y	Y	Y	-	-	-	-	-	-	-	-	3
5	Library collection	Y	Y	Y	Y	Y	-	Y	Y	Y	Y	Y	10
6	New arrivals	Y	Y	Y	Y	Y	Y	Y	-	Y	Y	Y	10
7	Printed books	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	11
8	Printed journal	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	11
9	Printed Magazine	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	11
10	Question papers	Y	-	Y-	-	-	-	-	-	-	-	-	2
Total Score (Max. 10)		9	9	10	8	5	5	8	5	6	6	7	
Percentage (%)		90	90	100	80	50	50	80	50	60	60	70	

**Table- 4:** Library Collection



**Fig- 2:** Total score of library collection

From the above table three state private university library websites provided Printed books, Printed journal, Printed Magazine information. Ten universities library websites provided E-Resources, Library collection, New arrivals. Five universities library websites were provided CD/DVD, Digital repository. Three universities library websites were Institutional repositories. Only two universities library websites provided information on Question Papers.

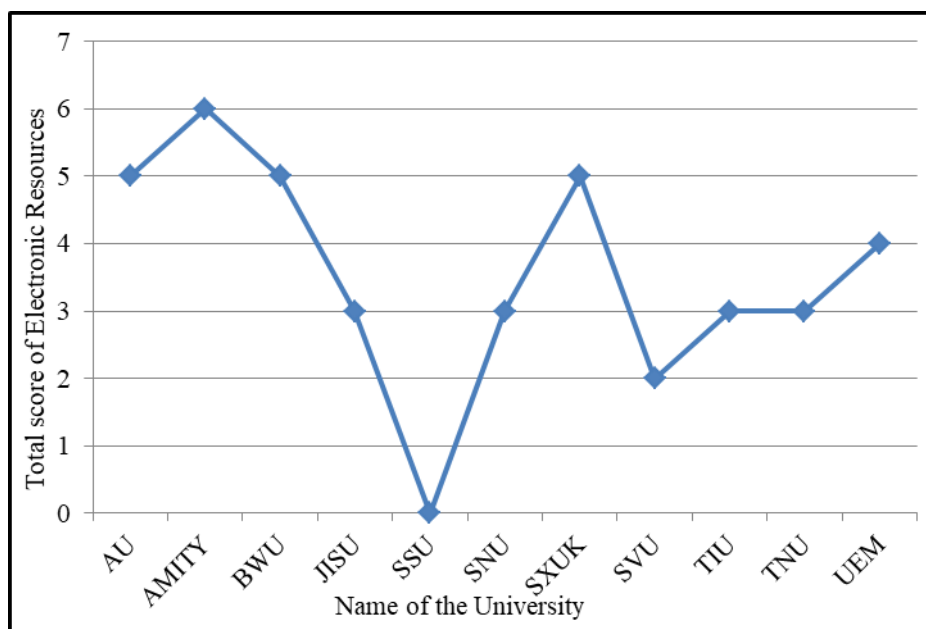
BWU provided 100% information of the library collection, whereas AU and AMITY provided 90% information on library collection, followed by both JISU and SXUK with 80% information availability on different types of library collection in their library websites. SSU, SNU and SVU provided very less 50% information on library collections.

### **7.5 Electronic Resources:**

The library collection in their library websites of state private university importance in West Bengal.

Sl . N o.	Webs ite conte nt on electr onic resou rces	A U	AMI TY	B W U	JI SU	SS U	S N U	SX UK	S V U	TI U	T N U	UE M	To tal (11 )
1	Digita l Archi ve	-	Y	-	-	-	-	-	-	-	-	Y	2
2	E- Books	Y	Y	Y	Y	-	Y	Y	-	Y	Y	Y	9
3	E- Datab ases	Y	Y	Y	Y	-	Y	Y	Y	Y	Y	Y	10
4	E- Journ als	Y	Y	Y	Y	-	Y	Y	Y	Y	Y	Y	10
5	E- These s	Y	Y	Y	-	-	-	Y	-	-	-	-	4
6	Links to other refere nce websi tes	Y	Y	Y	-	-	-	Y	-	-	-	-	4
Total Score (Max. 6)		5	6	5	3	0	3	5	2	3	3	4	
Percentage (%)		83 .3	100	83. 3	50	0	50	83. 3	33. 3	50	50	66. 6	

**Table- 5:** Electronic Resources



**Fig- 3:** Total score of electronic resources

From the above table ten university library websites were provided E-databases and E-Journals. Nine university library websites were provided E-Books and four university library websites were provided E-Theses and Links to other reference websites. Two university library websites were provided by the Digital Archive.

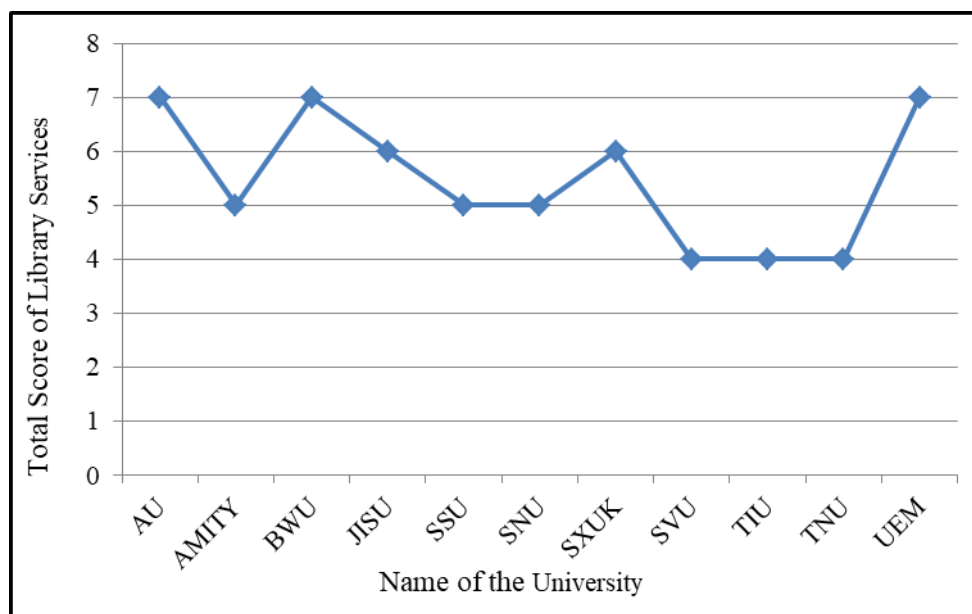
AMITY university library website provided 100% information on electronic resources. Followed by AU, SXUK library websites provided 83.3% information and UEM university library with 66.6% information on electronic resources. SSU has not provided any information about the content of electronic resources.

### **7.6 Library Services:**

This table provides information about the availability of library services in library websites of state private universities in West Bengal state.

Sl . N o.	Websit e conten t on library service s	A U	AMI TY	B W U	JI SU	S S U	S N U	SX UK	S V U	TI U	T N U	UE M	To tal (11 )
1	Circula tion	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	11
2	ILL	Y	-	Y	-	-	-	-	-	-	-	-	2
3	Library service s	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	11
4	Online book renewa l	-	-	-	-	-	-	-	-	-	-	Y	1
5	Online library service s	Y	-	Y	Y	-	-	Y	-	-	-	Y	5
6	OPAC	Y	Y	Y	Y	Y	Y	Y	-	-	-	Y	8
7	Refere nce service s	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	11
8	Reprog raphy service s	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	11
Total score (Max.8)		7	5	7	6	5	5	6	4	4	4	7	
Percentage (%)		87 .5	62.5	87. 5	75	62 .5	62 .5	75	50	50	50	87. 5	

**Table- 6:** Library Services



**Fig- 4:** Total score of library services

This table shows eleven state private university library websites providing information on Circulation, Library services, Reference services, Reprography services. Eight university library websites provided information on OPAC. Five library websites provided information on online library services. Two library websites provided information on ILL. One library website provided information on online book renewal.

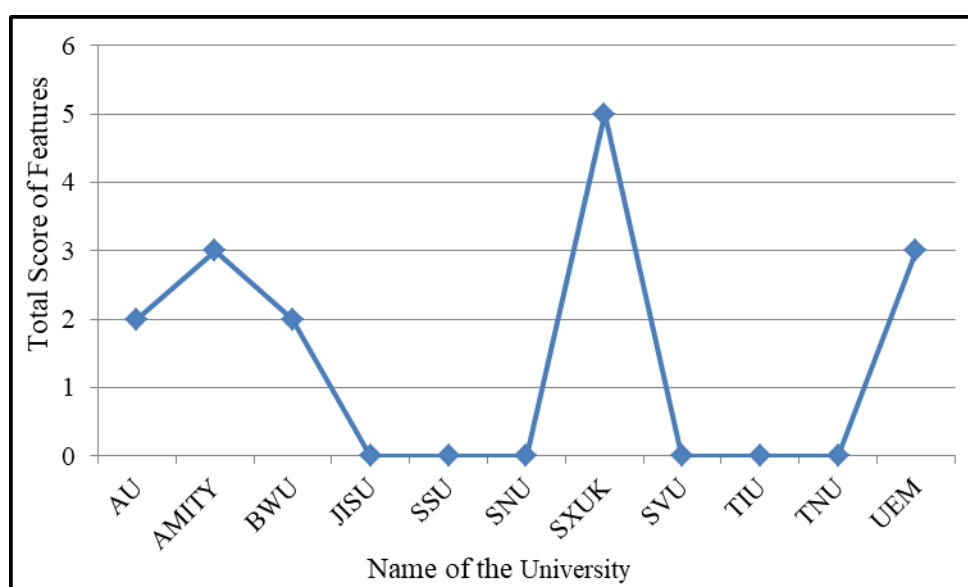
AU, BWU and UEM library provided 87.5% information on library services followed by JIU and SXUK library provided 75% information on library services. AMITY, SSU and SNU library provided 62.5% information on library services.

### 7.7 Features of State Private University Library Websites:

The features of library websites of state private university importance in West Bengal state.

Sl . No.	Website content on feature of library website	A U	AM ITY	B W U	JI S U	S S U	S N U	SX UK	S V U	T I U	T N U	U E M	To tal (1 1)
1	Ask a Librarian	-	Y	-	-	-	-	Y	-	-	-	-	2
2	Direct	Y	-	Y	-	-	-	Y	-	-	-	Y	4

	Link												
3	Download Forms	-	-	-	-	-	-	-	-	-	-	-	0
4	Registration/Login	-	Y	-	-	-	-	Y	-	-	-	Y	3
5	Remote access to e-resources	Y	Y	Y	-	-	-	Y	-	-	-	Y	5
6	Single Widow Search	-	-	-	-	-	-	Y	-	-	-	-	1
Total Score (Max. 6)		2	3	2	0	0	0	5	0	0	0	3	
Percentage (%)		33.33	100	33.33	0	0	0	83.33	0	0	0	100	

**Table- 7:** Features of State Private University Library Websites**Fig- 5:** Total score of features of state private university library websites

From the above table it is found that five university libraries have remote access to e-resources. Four university libraries provided the direct link. Three university libraries provided information on Registration/Login. Two university libraries provided information on Ask a Librarian. One university library provided information on Single Widow Search.

AMITY and UEM library provided 100% information on features of library websites, followed by SXUK with 83.3% information and AU, BWU with

33.3% information on features of library websites. JIS, SSU, SNU, SVU, TIU and TNU libraries have not provided any information regarding the features of library websites.

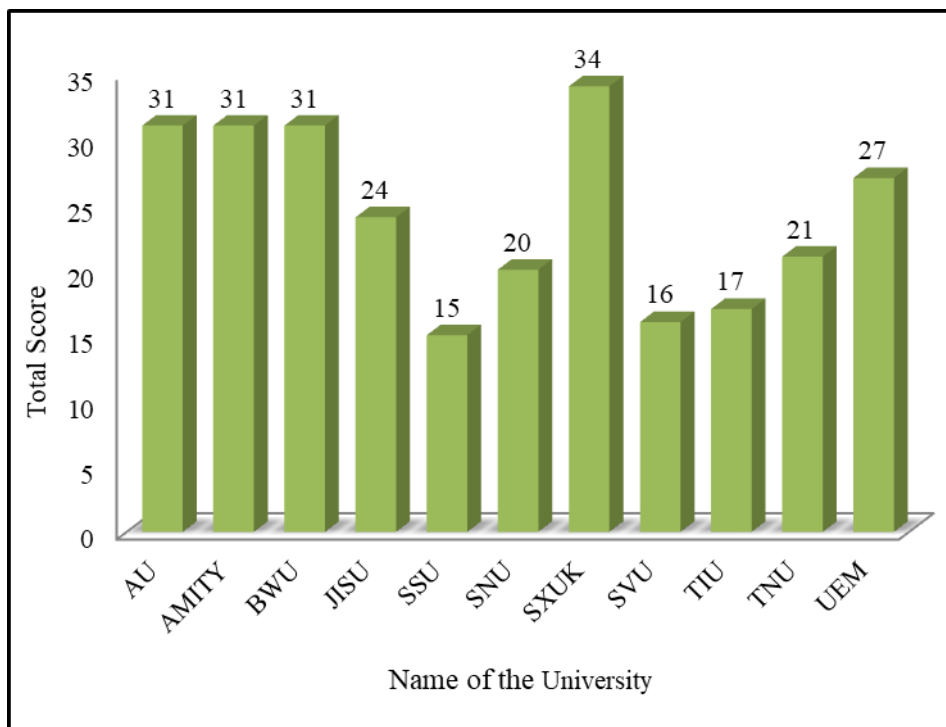
### 7.8 Comparative Study of State Private University Library Websites in West Bengal:

This table shows information about the overall ranking of the library websites of state private university importance during study period.

Name of the university	Basic information (Out of 10)	Library collection (Out of 10)	Electronic resources (Out of 6)	Library services (Out of 8)	Features (Out of 6)	Total score (Out of 40)
Adamas University	8	9	5	7	2	31
Amity University	8	9	6	5	3	31
Brainware University	7	10	5	7	2	31
JIS University	7	8	3	6	-	24
Seacom Skills University	5	5	-	5	-	15
Sister Nivedita University	7	5	3	5	-	20
St. Xavier's University	10	8	5	6	5	34
Swami Vivekananda University <sup>4</sup>	5	5	2	4	-	16
Techno India University	4	6	3	4	-	17
The Neotia University	5	6	3	4	3	21
University of Engineering and Management	9	7	4	7	-	27

**Table- 8:** Comparative Study of State Private University Library Websites in West Bengal





**Fig- 6:** Comparative study of state private university library websites in West Bengal

This table shows it is found that St. Xavier's University provided maximum information in their library website with 34 points score which is the highest points among the eleven state private universities in West Bengal, followed by Adamas University, Amity University, Brainware University with 31 points and University of Engineering and Management with 27 points.

### 7.9 Ranking of State Private University Library Websites:

The range for the rating scale is as follows

Range of Points	Results
01 - 08	Very Poor
09 - 16	Poor
17 - 24	Good
25 - 32	Very Good
33 - 40	Excellent

This table describes that out of eleven state private university libraries, one of the university library websites obtained an 'Excellent' rank of content analysis on library websites. All the university library websites were ranked with 'Good', 'Very good' and 'Need Improvement'.

Sl. No.	Name of the university	Total score (Out of 40)	Rank	Rating Scale	Results
1	St. Xavier's University	34	1	33 - 40	Excellent
2	Adamas University	31	2	25 - 32	Very Good
3	Amity University	31	2	25 - 32	Very Good
4	Brainware University	31	2	25 - 32	Very Good
5	University of Engineering and Management	27	3	25 - 32	Very Good
6	JIS University	24	4	17 - 24	Good
7	The Neotia University	21	5	17 - 24	Good
8	Sister Nivedita University	20	6	17 - 24	Good
9	Techno India University	17	7	17 - 24	Good
10	Swami Vivekananda University	16	8	09 - 16	Poor
11	Seacom Skills University	15	9	09 - 16	Poor
<b>Total</b>		<b>267</b>	-	-	-

**Table- 9:** Ranking of State Private University Library Websites

St. Xavier's University library got highest total score of 34 out of 40 points ranked with 'Excellent', followed by Adamas University, Amity University, Brainware University library with 31 points ranked with 'Very Good'; University of Engineering and Management Libraries with 27 points ranked with 'Very Good' and JIS University Library with 24 points ranked as 'Good'. Three university libraries of The Neotia University, Sister Nivedita University and Techno India University are ranked with 'Below Average'. Two university libraries of Swami Vivekananda University, Seacom Skills University are ranked with 'Poor'.

## 8. Findings:

The most important findings of the study are as follows-

- ✓ Only eight state private university libraries of Adamas University, Brainware University, JIS University, Seacom Skills University, St. Xavier's University, Swami Vivekananda University, The Neotia University, University of Engineering and Management have separate library homepage. Remaining other three state private university library websites are not available.
- ✓ Library websites of eleven universities provided basic information on About Library, Library Hours, Library Rules and Library Services. Eight universities library websites were provided Contact Us. Seven university library websites were provided Membership. Six university libraries were provided with a Photo Gallery. Five university libraries were provided by Library Staff. Three university libraries were provided by the Library Committee and Publication.

- ✓ SXUK library website provided 100% of the basic information, whereas, UEM library websites provided 90% of the basic information. TIU library provided very less 40% information on their library websites.
- ✓ Three state private university library websites provided Printed books, Printed journal, Printed Magazine information. Ten universities library websites provided E-Resources, Library collection, New arrivals. Five universities library websites were provided CD/DVD, Digital repository. Three universities library websites were Institutional repositories. Only two universities library websites provided information on Question Papers.
- ✓ BWU provided 100% information on the library collection, whereas AU and AMITY provided 90% information on library collection, followed by both JISU and SXUK with 80% information availability on different types of library collection in their library websites. SSU, SNU and SVU provided very less 50% information on library collections.
- ✓ Ten university library websites provided E-databases and E-Journals. Nine university library websites were provided E-Books and four university library websites were provided E-Theses and Links to other reference websites. Two university library websites were provided by the Digital Archive.
- ✓ AMITY university library website provided 100% information on electronic resources. Followed by AU, SXUK library websites provided 83.3% information and UEM university library with 66.6% information on electronic resources. SSU has not provided any information about the content of electronic resources.
- ✓ Eleven state private university library websites provided information on Circulation, Library services, Reference services, Reprography services. Eight university library websites provided information on OPAC. Five library websites provided information on online library services. Two library websites provided information on ILL. One library website provided information on online book renewal.
- ✓ AU, BWU and UEM library provided 87.5% information on library services followed by JIU and SXUK library provided 75% information on library services. AMITY, SSU and SNU library provided 62.5% information on library services.
- ✓ Five university libraries have accessed remote access to e-resources. Four university libraries provided the direct link. Three university libraries provided information on Registration/Login. Two university libraries provided information on Ask a Librarian. One university library provided information on Single Window Search.
- ✓ AMITY and UEM library provided 100% information on features of library websites, followed by SXUK with 83.3% information and AU, BWU with 33.3% information on features of library websites. JIS,

SSU, SNU, SVU, TIU and TNU libraries have not provided any information regarding the features of library websites.

- ✓ St. Xavier's University provided maximum information in their library website with a score of 34 points which is the highest points among the eleven state private universities in West Bengal, followed by Adamas University, Amity University, Brainware University with 31 points and University of Engineering and Management with 27 points.
- ✓ Out of eleven state private university libraries, one of the university library websites obtained an 'Excellent' ranking of content analysis on library websites. All the university library websites were ranked with 'Good', 'Very good' and 'Need Improvement'.
- ✓ St. Xavier's University library got highest total score of 34 out of 40 points ranked with 'Excellent', followed by Adamas University, Amity University, Brainware University library with 31 points ranked with 'Very Good'; University of Engineering and Management Libraries with 27 points ranked with 'Very Good' and JIS University Library with 24 points ranked as 'Good'. Three university libraries of The Neotia University, Sister Nivedita University and Techno India University are ranked with 'Below Average'. Two university libraries of Swami Vivekananda University, Seacom Skills University are ranked with 'Poor'.

## 9. Conclusion:

In higher education, government universities as well as private universities have flourished. I have written this article to know the good quality of education in this private university and what is the condition of their library and how are the services provided to the users. The main purpose of this research paper is to guide state private university librarians and library and information science professionals to improve their library websites. It is very necessary to update the library website to provide correct and accurate information to the library users and save their time.

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