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## WEB-BASED RESOURCES AND SERVICES OF IITS LIBRARY: A SPONSOR'S VIEW

**Dr. Shiv Kumar**

**Assistant Professor:** Department of Library and Information Science,  
Dr. Rammanohar Lohia Avadh University Ayodhya,

**Abstract:** - The purpose of this paper addresses the web-based library services and resources provided through the library website in IITs and suggest new ways to satisfy young technocrats in the digital era. But digital technologies tender additional pathways to learning and content subscription which affect the form of libraries also like today's learning community require a place that supports participatory learning and allows for co-construction of thoughtful from a multiplicity of sources. The entire study indicates that IITs with outstanding web-based resources and services, good number of IITs are having dynamic website All. Present study also analyzes the patron's opinions and dynamics that allow them to be able to learn better. general library information on their respective library webpage

**Keywords:** - Web-based Resources (WBR), Indian Institute of Technology (IITs), Web-based Services (WBS), Web 2.0, Social Networking, Library Services, ICT, User Satisfaction, India

### Introduction

In traditional libraries printed resources are used to create library services by the library professionals. But now a day's digital web-based digital library resources are used with web based interfaces. These services are WEBOPAC, e DDS, E CAS, Remote Access, e index, e reserve, Short Messages, e-journals and online databases, Federated Search, Discovery, Library twitter, Library Virtual Tour, Institutional Repository (IR), Library blog, Mobile apps etc. are phenomenal practices implemented to attract users with high technology. The prime web-based services for IITs are Institutional Repository (IR), e DDS, e CAS, e SDI, Remote Access, List of new arrivals, e index, FEDERATED Search Services etc.

## Traditional Library Services to Web-based Library Service

Libraries and knowledge centers have subsisted since ancient time as an archive of recorded knowledge. From tablets and scrolls to bound books, they have cataloged resources and served as a locus of knowledge. In the present age, with the digitization of content and the advent of the internet, information is not only confined to printed objects and available only in a single, corporal location so all the libraries of world are reformulating themselves as collection of information resources to information provider and more about connecting learners and constructing knowledge and rather than maintain a quiet location for individual study, the libraries focuses to create an innovative environment for learners.

In the advancement of IT and ICT various assortment of formats appears to provide digital access to information. New digital formats are rapidly expanding the ways in which information is presented. Information available on Internet comprise electronic resources obtained with the help of World Wide Web (WWW), Gopher, FTP and email, as well as electronic conferences, bulletin boards, newsgroups, and subject specific databases.

Libraries tries to integrate these new formats and technologies into their traditional collections in direction to provide available information quickly and conveniently as possible to meet maximum learners need in "collaboration and knowledge co-construction." Manner.

### Aim of the study

The purpose of this study is to know the opinion of patrons (student, faculty, administrative staff etc.) about the collection, services and environment provided by learning centres of two Indian institute of technology e.g. Gandhi Nagar and Bhubaneswar.

### Tools and Techniques

Pre-designed questionnaire were used to collect data related with study. Thus, we have collected and collated the data in order to find out information with an aim to the following:

### Need for the Study

Library is service oriented organisation and supportive role in academic institute. If an institute is doing academically well, there is no doubt about it having a good library resources and services to support it. IITs libraries are expected to identify, acquire, organize, store, retrieve and disseminate information not only on the specific subject covered by the curriculum, but also on the current directions of technological advancement.

### Category of sponsor

- Age wise distribution of patrons
- Frequency of visit to learning centre
- Purposes to visit learning centre
- Sponsor view about digital collection
- Sponsor view about infrastructure facilities
- Sponsor view on innovative collection
- Sponsor view about organization of information resources
- Sponsor view about attitude of library staff
- Sponsor view about library services

### Result and Discussion

After all the data were collated and the tabulated we have found the status to be as follows:

**Table No.1**  
**IIT wise Response of Questionnaire**

Name of IIT	Distribution of Questionnaires	Response
IIT Gandhinagar	100	84
IIT Bhubaneswar	100	73
<b>Total</b>	<b>200</b>	<b>157</b>

The above table shows that total 200 questionnaires were distributed and 157 received back.

**Table No. 2**  
**Category of sponsor**

Category	IITGN	IITBBS	Total
UG Student	5	13	18
PG Student	19	28	47
Research Scholar	41	26	67
Scientist	-	-	
Faculty Member	3		3
Non Teaching Staff	12	2	14
Other Staff	4	4	8
<b>Total</b>	<b>84</b>	<b>73</b>	<b>157</b>

The above table 2 represents the categories of patrons in regard with UG, PG and faculty etc. the table shows that large number 67 were research scholars followed by 47 PG students, 18 UG Students, 14 Non-teaching staff and any 3 were faculty members.

**Table No. 3**  
**Age group of sponsor**

Age	IITGN	IITBBS	Total
Up to20	51	36	87
21-30	30	31	61
31- 40	3	4	7
41-50	0	2	2
51 -60	0	-	-
Above 60	0	-	-
<b>Total</b>	<b>84</b>	<b>73</b>	<b>157</b>

The above table 3 reveals the age wise distribution of patron. As in total respondent's maximum number 87 were between Up to 20 ages followed by 61 to 21 to 30 age group 7 between 31 to 40 and only 2 belongs to 41-50 age.

**Table No. 4**  
**Frequency of Visit to Library**

Frequency	IITGN	IITBBS	Total
Daily	15	19	34
weekly	38	37	75
Occasionally	30	14	44
Never	1	3	4
<b>Total</b>	<b>84</b>	<b>73</b>	<b>157</b>

The data presented in table 4 indicates the frequency of patrons to visit the learning centre. Which conclude that out of 157 patrons, frequency of users visits to the library on weekly 75 followed by 44 occasionally, 34 daily etc.

Table 3

## WBS (Reference) all IITs libraries in India

Web-based library Services	Number of IIT(n=15)
e DDS	80%
e CAS	80%
e SDI	80%
Remote Access	80%
Ask A Librarian	91%

The above table 5 indicates that the main purpose of visit to the library was focused for academic/ research purpose followed by finding specific information in this field of interest and to read news paper. Other reasons were to gain current knowledge for competitive exams, to access e- resources.

Table No. 6

## Sponsor view about Digital Collection

view	IITGN	IITBBS	Total
Highly useful	53	51	104
Moderately useful	25	12	37
Slightly useful	6	10	16
Not at all useful	-	-	-
<b>Total</b>	<b>84</b>	<b>73</b>	<b>157</b>

Table 6 shows the institute wise patrons opinion about digital collection available in IITs library. This reveals that 104 patrons said highly useful to available digital collection followed by 37 moderately useful, and 16 said slightly useful to digital collection provided by IITs library

**Table No. 7****Sponsor view about Infrastructure Facility**

<b>Opinion</b>	<b>IITGN</b>	<b>IITBBS</b>	<b>Total</b>
Excellent	44	31	75
Very Good	14	17	31
Good	9	11	20
Average	17	14	31
Poor	0	0	0
<b>Total</b>	<b>84</b>	<b>73</b>	<b>157</b>

All the learning centres differ in their infrastructure facility and this is a reflection of the degree to which they are committed to provide platform for providing resources and services. The data present in above table 7 shows maximum 75 patrons rate excellent to infrastructure followed by 31 very good and average and 20 rate good to infrastructure facilities provided by learning centre of IITs.

**Table No. 8****Sponsor view on Innovative Collection**

<b>Opinion</b>	<b>IITGN</b>	<b>IITBBS</b>	<b>Total</b>
Excellent	16	12	28
Very Good	19	16	35
Good	22	20	42
Average	24	19	43
Poor	3	6	9
<b>Total</b>	<b>84</b>	<b>73</b>	<b>157</b>

All the learning centres had a special collection section and the above table shows the patrons opinion about it. According to data presented in above table 8 majority 43 patrons said average to special collection followed by 42 good, 35 Very good, 28 excellent and 9 rate poor to special collection available in IIT Libraries

**Table No. 9****Sponsor view about Organization of Information Resources**

<b>Opinion</b>	<b>IITGN</b>	<b>IITBBS</b>	<b>Total</b>
Excellent	9	11	20
Very Good	14	17	31
Good	44	31	75
Average	17	14	31
Poor	0	0	0
<b>Total</b>	<b>84</b>	<b>73</b>	<b>157</b>

Systematic organization of information resources save the time of information seekers. In overall response received 75 said good, followed by 31 very good, and 20 Average to the organization of resources in IITs Learning centre.

**Table No.10****Sponsor view about Attitude of Library Staff**

	<b>IITGN</b>	<b>IITBBS</b>	<b>Total</b>
Excellent	16	12	28
Very Good	19	16	35
Good	22	20	42
Average	24	19	43
Poor	3	6	9
<b>Total</b>	<b>84</b>	<b>73</b>	<b>157</b>

The Attitude of library staff helps the patrons to feel comfortable in learning environment and search the needed information from the collection. In regard with this questions were asked to users and the response received presented in above table 10 reveals that 43 said average, followed by 42 good, 35 very good, 28 excellent and 9 poor to library staff attitude.

**Table No. 11**  
**Sponsor view about Library Services**

<b>Opinion</b>	<b>IITGN</b>	<b>IITBBS</b>	<b>Total</b>
Excellent	16	12	28
Very Good	19	16	35
Good	22	20	42
Average	24	19	43
Poor	3	6	9
<b>Total</b>	<b>84</b>	<b>73</b>	<b>157</b>

Library services play a crucial role in information seekers life. In overall response received 43 averages, followed by 42 good, 35 very good, 28 excellent and 9 poor rate to services provides by IIT learning centre

### **Conclusion**

The entire study indicates that IITs Web-based resources and effectively provide web-based services to their users. Study shows that prime web-based resources in the libraries of the IITs are e-thesis, photographs, Print Journals, Back Volume, Cd/DVDs, FAQ, e books, Institutional Repository, NPTEL, Online Databases and Online e journals web-based resources, whereas Text Books and Newspaper Clippings a web-based resources are prime for IITs Web based sources.

Today every information learner has the potential to carry a universal library on the gadget in his or her pouch, the role of traditional libraries may become even more significant not just a place to collect resources, but one in which to make connotation from them. The learning centers of the 21st century offer a welcoming familiar space that promotes exploration, formation, and association between the learning communities. They bring collectively the best of the traditional and digital to generate learning hubs for construction of new knowledge and meaning from the world around them.

The prime web-based services for IITs are Institutional Repository (IR), e DDS, e CAS, e SDI, Remote Access, List of new arrivals, e index, FEDERATED Search, WEBOPAC, status account of user/s, Library news, e mail based services, Library tour, Library map and Ask A Librarian. Regarding Web based services like Android application; Library blog; Library twitter and Library wiki are found in very low percentage in libraries.



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