## Assessment of Library Services Delivery in Textile Engineering Institute Libraries of Haryana

### Chetan Sharma\*, Rajender Kumar\*\*

### Abstract

Textile engineering is one of the least popular branches of engineering in compare to other such as computer science, information technology, electronic science engineering etc. Haryana an agriculture based state of India has only two textile engineering institutes. The aim of the study was for users to estimate the performance of textile engineering institute libraries of Haryana, and find out the user preferences for library services. A survey of users from the Technological Institute of Textile and Sciences (TITS) and Panipat Institute of Textile & Engineering (PITE) libraries is conducted. The results show that majority of the respondents rate good to the library services (inter library loan, photocopy & reference) in both Institute Libraries.

Keywords: Information services; Library users; Service delivery; User studies; Textile engineering.

### Introduction

Libraries and information centres are the knowledge house and platforms of research in any academic and research organization. Quality service offering is the only way, which means a library worthy. It is widely recognized that service quality and consumer satisfaction is essential for retaining present consumers and attracting new ones (Banwet and Dutta, 1999). The evaluation of library service is an important aspect of library administration for establishing library goals and policies (Bamigboye et al., 2007). Understanding the information needs and make it available to the appropriate user is very important. Timely delivery of service to user (such as responding to requests for information or help desk enquiries), meets their needs, is easy to understand and use, and that is delivered by courteous and knowledgeable staff (Fabunmi, 2004). Library staff must take each request seriously, to avoid denigration abilities, to create a sense of ease and to conserve confidentiality. The translation of libraries is

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to prop up the teaching-learning behavior and research needs of teachers and students. "Universal and equitable access to information" as one of the core library values (Jiang and Shuyong, 2007). Olanlokun and Salisu (1995) described the library as "the nerve-center of educational institutions, especially in universities" also saying that libraries play vital roles in the educational development of man at any level, and more particularly so in any academic pursuit. Time is invaluable in any research, and hence it is pertinent for one to know how to find out what one wants in the library quickly and easily.

### Background

Haryana is among the smallest states of the republic India. There are only two Textile Engineering Institute are existed in Haryana i.e. Technological Institute of Textile and Sciences (TITS) and Panipat Institute of Textile and Engineering (PITE).

Padma Vibhushan Dr. G D Birla established the Technological Institute of Textile and Sciences (TITS) Bhiwani in the year 1943 under the auspices of the Birla Education Trust. It was the first textile institute of the Haryana state. With a modest beginning the institute has grown into a premier technical institute

Author's Affilation: \*Assistant Librarian, Guru Gobind Singh Indraprastha University, Delhi, \*\*Librarian, Panipat Institute of Textile & Engineering, Panipat Haryana.

**Reprint's request: Dr Chetan Sharma,** Assistant Librarian, Guru Gobind Singh Indraprastha University, Delhi.

of the country drawing to its portal students from all over India and abroad. The Institute has attached to it a Textile Factory for training the students under actual mill working conditions. In 1943 institute started functioning with Diploma in Textile Manufacturing (DTM). In 1952 it has introduced B. Tech in Textile Technology (TT) (www.titsbhiwani.org)

Panipat Institute of Textile and Engineering (PITE) is run by Vidhyapeeth Education Trust founded in 2005. It is the 2nd engineering college in Haryana and 17th in India to have textile engineering as a trade. It was established in 2006 and is situated in NCR region at Samalkha, Panipat. All the courses in the institution are approved by the Kurukshetra University and All India Council for Technical Education (AICTE). (www.pite.in)

## Review of related studies

Considerable studies have been conducted on the evaluation and use of libraries by students, research scholars, and faculty members. Mahajan (2009) in her study on Information-Seeking Behavior in Panjab University libraries observed that librarians must understand information- seeking behavior of users to re-engineer their services and provide information efficiently. The results of this study reveal users who are more or less satisfied with library collections and services, but want training in the use of online information. Sharma (2008) conducted a study on universities of North Western India and found that respondents of all the universities are frequent library visitors, with the exception of a few. Respondents between age group of 25-30 visit the library more often than other groups. Agriculturists are the most frequent library visitors, followed by those from humanities and social sciences. Chai (2007) survey the behavior of the undergraduates on information gathering at the Tel-Hai Academic College in Israel. Major findings of the survey that three reasons show for the undergraduates' visiting the library were found: information needs in general, circulation procedures, and study needs. Majority of the respondents (64.4%) use the library to find specific information in their fields of interest, followed by 48.3% for current awareness and to keep up to date (Kaur and Rani, 2007). Bamigboye et al. (2007) in their study on library services in Olabisi Onabanjo University observed that while the current library service is highly patronized and records strong levels of satisfaction by users, this satisfaction generally relates to the nature and level of services delivered by library staff, existing user familiarization and comfort. Barooah and Sarmah (2007) evaluated the information services in technical library and found that 23% students are not satisfied fully as they are allowed to borrow only two books at a time. Verma et al. (2007) found that 96.50% respondents seek information to keep themselves up to date, 87.80% for generating new ideas where as 85.20% respondents seek information to solve practical problems relating to research. 80% seek the information to write their report and paper. A similar study conducted by Kaur and Verma (2006) and explored purpose of using library vary from person to person, majority of users 72.7%, visit library for issue/return of books, 51.5% users visit library for consulting periodical/journals, and 40.9% for photocopying work etc. Participants use the library primarily to do research for class assignment (Chavez et al., 2005). Fang (2005) opined that document use rate of the libraries in China is below 40 per cent; readers frequently complain that they cannot find the books or documents they want. Hayden (2005) expressed that 84 % respondents feel satisfaction with the book collection. In relation to actually borrowing library materials, just under 70 % of students and 74 % of staff surveyed borrow at least once a month. 64% and 36% respondents are not satisfied with journals and newspapers respectively, 48% respondents never face the problem in using library catalogue (Bouazza and Mufaraji 2005). Similarly Fong (2005) in his study found that 80% of respondents rated the quality of the book collection above adequate where as 66% of respondents rated

adequate for the currentness of the book collection in their subject area. 96.76% research scholars have received books from library as per their research requirements (Ramesha and Kumbar 2004).

## Methodology

Present study is the very first study conducted on textile engineering institute libraries of Haryana state of India to find the assessment of library services delivery. As present study is a users' survey a well structured questionnaire was designed and randomly distributed to the population selected for the study. Out of 200 questionnaires distributed 100 among the users of each institute, 180 returned (TITS-80 and PITE-100). Data were analyzed using percentages method.

Table 1: Frequency of Library Visit

FREQUENCY	TITS	PITE
Daily	33 (41.25%)	59 (59%
2-4 Times a week	34 (42.5%)	35 (35%
Weekly	13 (16.25%)	5 (5%)
Fortnightly		
Monthly		
Rarely		1 (1%)
Never		
Total	80	100

# Table 2: Assistance in informationSearching

ASSISTANCE	TITS	PITE
A Teachers	51 (63.75%	20 (20%)
A Library student worke	t	18 (18%)
A Librarian	16 (20%)	48 (48%)
Any other	13 (16.25%	14 (14%)
Total	80	100

## Discussion

Table 1 shows the frequency of library visits at TITS and PITE Libraries. 59 (59%) respondents of PITE and 33 (41.25%) respondents of TITS visit library daily. Whereas 34 (42.5%) and 35 (35%) respondents of TITS and PITE respectively visit the Library 2-4 times in a week. Only 13 (16.25%) and 5 (5%) respondents of TITS and PITE prefer to visit library on weekly bases. Similar study conducted by Sharma (2008) on universities of North Western India and found that respondents of all the universities are frequent library visitors.

Table 2 highlights that 51 (63.75%) respondents of TITS and 20 (20%) respondents of PITE get help from the teachers in information searching whereas 16 (20%) and 48 (48%) respondents of TITS and PITE take

Demanding Service	T.	ITS	PITE	
	Low	High	Low	High
Electronic resources	53	27	64	36
	(66.25%	(33.75%	(64%)	(36%
Information resource (Books, Prin	50	30	43	57
Journal)	(62.5%)	(37.5%)	(43%)	(57%
The Library clearly described the services on offer?	41	39	32	63
	(51.25%	(48.75%	(32%)	(63%
Library staff acknowledges and handle problem in a professional manner	45 (56.25%	35 (43.75%	19 (19%)	81 (81%
The Library keeps me informed about new services and collection	20	60	45	55
	(25%)	(75%)	(45%)	(55%
Information guides (printed and electronics) provided by the Library are clear and useful.	38 (47.5%)	62 (77.5%)	38 (38%)	62 (62%

**Table 3: Communication Services** 

the help of the librarian in information searching. Users want assistance in the use of online information (Mahajan 2009).

Table 3 indicates the demanding services. 53 (66.25%) users of TITS and 64 (64%) users of PITE give low response to electronic resources. 57 (57%) and 30 (37.5%) respondents of PITE and TITS rate high to information resource i.e. books and journals etc. 39 (48.75%) and 63 (63%) respondents of TITS and PITE respectively rate high to clearly described of library services. 35 (43.75%) and 81 (81%) respondents are good with the high

Performance	Institute	Library Services				
		Inter Library Loan	Photocopying	Reference		
Poor	TITS	15 (18.75%)				
	PITE	29(29%)	23 (23%)	12 (12%)		
Good	TITS	45 (56.25%)	30 (37.5%)	40 (50%)		
	PITE	42 (42%)	41 (41%)	61 (61 %)		
Very Good	TITS	20 (25%)	35 (43.75%)	27 (33.75%)		
	PITE	14 (14%)	23 (23%)	20 (20%)		
Excellent	TITS		15 (18.75%)	13 (16.25%)		
	PITE	15 (15%)	13 (13%)	17 (17%)		
Total	TITS	80				
	PITE		100			

**Table 4: Library Services** 

Table 5: Rating to Library Collection

Collection	Performance							
	Ро	or	Go	od	Very	Good	Exce	llent
	TITS	PITI	TITS	PITI	TITS	PITI	TITS	PITI
Books	21	34	19	40	32	17	8	9
	(26.25%	(34%	(23.75 %	(40%	(40 %)	(17%	(10%)	(9%)
Journal	30	17	25	56	16	18	9	8
	(37.5%)	(17%	(31.5%)	(56%	(20%)	(18%	(11.25%	(8%)
Patents and standards	27		32		14		7	
	(33.75%		(40%)		(17.5%)		(8.7%)	
Newspaper	13		29	41	25	39	13	20
	(16.25%		(36.25%	(41%	(31.25%	(39%	(16.25%	(20%
Microfilm/								
Microfiche								
CD's/Cassettes/Video	19	60	15	29	25	7	21	4
	(23.75%	(60%	(18.75%	(29%	(31.25%	(7%)	(26.25%	(4%)

rating with the method of problem solution of Library. 60 (75%) and 55 (55%) respondents of TITS and PITE give high rate to the method of introducing of new services. 62 (77.5%) respondents of TITS and 62 (62%) respondents of PITE rate high to the Information guides provided by the respective libraries. Fong (2005) in his study found that 80% of respondents rated the quality of the book collection above adequate where as 66% of respondents rated adequate for the currentness of the book collection in their subject area. Table 4 highlights that 45(56.25%) respondents of TITS and 42(42%) respondents of PITE rate good to inter library loan service. 30(37.5%) respondents of TITS and 41(41%) respondents of PITE rate good to photocopy service. The reference service was rated good by 40(50%) respondents of TITS and 61(61%) respondents of PITE. Only few respondents of both Institutes rate excellent to the inter library loan, Photocopying and Reference services.

Table 5 reveals the rating to library collection of both libraries. In TITS 32(40%) respondents rate book collection very good and in PITE 17(17%) respondents are of same view. Hayden (2005) expressed that 84 % respondents feel satisfaction with the book collection. 25(31.25%) respondents of TITS think that journal collection is good whereas in PITE library 56(56%) respondents are of the same view. Newspaper collection of TITS and PITE is good as per 29(36.25%) and 41(41%)

respondents respectively. 60(60%) respondents of PITE and 19(23.75%) respondents of TITS says that CD's collection is poor. Mahajan (2009) revealed that users who are more or less satisfied with library collections and services.

Table 6 shows that 53(53%) respondents of PITE observe that book bank collection is good whereas 20(20%) rate it very good. 43(43%) respondent of PITE rate working hours of book bank good where as 27(27%) rate it very good.

	Performance							
Book Bank	Р	oor	G	ood	Ver	y Good	Exc	ellent
	TITS	PITE	TITS	PITE	TITS	PITE	TITS	PITE
Collection		17		53		20		10
		(17%)		(53%)		(20%)		(10%)
Working Hours		10		47		27		16
		(10%)		(47%)		(27%)		(16%)
Arrangement		16		48		20		16
_		(16%)		(48%)		(20%)		(16%)

Table 6: Book Bank Collection

<b>Table 7: Physical Facilities</b>
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Facility		Performance						
	V	ery	So	me	S	ome	Very di	ssatisfied
	Sati	sfied	Satis	sfied	dissa	atisfied		
	TITS	PITE	TITS	PITE	TITS	PITE	TITS	PITE
Space	23	33	6	47	5	8	1	8
	(28.75%)	(33%)	(7.5%)	(47%)	(6.25%)	(8%)	(1.25%)	(8%)
Furniture	25	42	7	43	8	9	2	3
	(31.25%)	(42%)	(8.75%)	(43%)	(10%)	(9%)	(2.5%)	(3%)
Restroom	5	15	4	17	9	16	8	29
	(6.25%)	(15%)	(5%)	(17%)	(11.25%)	(16%)	(10%)	(29%)
Temperature	40	18	3	41	3	20	9	9
	(50%)	(18%)	(3.75%)	(41%)	(3.75%)	(20%)	(11.25%)	(9%)
Noise Level	50	32	7	34	8	13	4	16
	(62.5%)	(32%)	(8.75%)	(34%)	(10%)	(13%)	(5%)	(16%)
Directional	46	23	8	38	8	15	4	5
signage	(57.5%)	(23%)	(10%)	(38%)	(10%)	(15%)	(5%)	(5%)
Availability of	23	35	3	29	10	15	9	16
Computer	(28.75%)	(35%)	(3.75%)	(29%)	(12.51%)	(15%)	(11.25%)	(16%)
Computer	25	24	5	27	3	12	11	28
Printer	(31.25%)	(24%)	(6.25%)	(27%)	(3.75%)	(12%)	(13.75%)	(28%)
Lighting	30	35	7	30	6	12	5	16
	(37.25%)	(35%)	(8.75%)	(30%)	(7.5%)	(12%)	(6.25%)	(16%)
Drinking water	25	10	6	17	6	29	6	28
	(31.25%)	(10%)	(7.5%)	(17%)	(7.5%)	(29%)	(7.5%)	(28%)
Behavior of	28	50	5	28	11	9	3	6
staff	(35%)	(50%)	(6.25%)	(28%)	(13.75%)	(9%)	(3.75%)	(6%)

Purpose	TITS	PITE
Education	45 (56.25%)	71 (71%)
Entertainment	10 (12.5%)	17 (17%)
News	13 (16.25%)	2 (2%)
Communication/e- mail	10 (8%)	8 (8%)
Sports	2 (2.5%)	2 (2%)
Total	80	100

Table 8: Purpose of Internet Use

### **Table 9: Frequency of Internet Use**

Frequency	TITS	PITE
Daily	45 (56.25%)	19 (19%)
Once a week	2 (2.5%)	16 (16%)
2-3 time in week	12 (15%)	25 (25%)
Once a fortnight	2 (2.5%)	1 (1%)
Once a Month	8 (10%)	6 (6%)
Rarely	11 (13.75%)	33 (33%)
Total	80	100

## Table 10: Availability of Desired Information Material in the Library

Frequency	TITS	PITE
Always	40 (50%)	28 (28%)
Sometime	30 (37.5%)	30 (30%)
Rarely	7 (8.75%)	36 (36%)
Never	3 (3.75%)	6 (6%)
Total	80	100

48 (48%) respondents says that arrangement of book bank is good. Table shows that TITS Library does not offer Book bank services to its students.

Table 7 reveals that the respondents of TITS are very satisfied with the noise level, directional sign and lighting facility of the library i.e. 50(62.5%), 46(57.5%) and 30(37.5%) whereas the PITE respondent are very satisfied with the furniture, availability of computer and behavior of staff i.e. 42(42%), 35(35%) and 50 (50%) respectively. 40 (50%) respondents of TITS library are very satisfied with the temperature inside the library

Table 11: Use of Electronic Primary Resources

Electronic Resource	TITS	PITE
E-journals	30 (37.5%)	45 (45%)
E-Data archives		7 (7%)
E-Manuscripts	22 (27.5%)	1 (1%)
E-Maps	10 (12.5%)	13 (13%)
E- Magazines	6 (7.5%)	37 (37%)
E-Books	9 (11.25%)	36 (36%)
E-Thesis	1 (1.25%)	3 (3%)
E-Research Report	2 (2.5%)	12 (12%)
E-Newspaper	30 (37.5%)	65 (65%)
E-mail	50 (62.5%)	64 (64%)

Table 12: Most like the Library

Reason	TITS	PITE
Staff Behavior	10 (12.5%)	30 (30%)
Good Service	15 (18.75%)	21 (21%)
Good Collection	20 (25%)	17 (17%)
Environment	19 (23.75%)	16 (16%)
No Option	16 (20%)	16 (16%)
Total	80	100

because maximum area of the library is air conditioned, where as only 18(18%) respondents are of same view in PITE library. Majority of the respondents of PITE is dissatisfied with facility of drinking water 57(57%).

Table 8 reveals the purpose of the Internet use. 45(56.25%) respondents of TITS and 71% respondents of PITE make the use of Internet only for educational purpose. 17% respondents of PITE use Internet for entertainment whereas 16.25% respondents of TITS make the use of Internet for news. In the similar study Swain and Panda (2009) found that 54% respondents focus their Internet search primarily on accessing open access e-journals, where as 45% respondents on accessing online databases. Nearly half of respondents use the Internet for research, an almost equal number for education and about one-third for communication with colleagues and editors of scholarly journals, only 15% use it for entertainment (Parameshwar and Patil, 2009)

Table 9 indicates the frequency of Internet use in TITS and PITE Library. In the TITS quite large numbers i.e. 45(56.25%) respondents use Internet daily, 12(15%) respondents use the Internet 2-3 times in a week, 8(10%) once a month and 11(13.75%) rarely. On the other hand in PITE 19% users use Internet daily, 16% users use it once in a week, 25% respondents use the Internet 2-3 times in a week and majority of respondents i.e. 33% use Internet rarely. In the similar study Parameshwar and Patil, 2009 found that about one-third respondents use Internet 2-3 times in a week and nearly another third use it daily. 45.24% and 25.39% respondents use Internet often and very often respectively (Kumar and Singh, 2009).

Table 10 shows availability of desired information in both libraries. In TITS and PITE 40(50%) and 28(28%) respondents able to get desired information always whereas 30(37.5%) users of TITS and 30(30%) of PITE get desire information sometimes. 12.5% respondents of TITS and 42% of PITE say that they rarely or never found the desired information.

Table 11 shows that mostly 50(62.5%) and 64(64%) respondents of TITS and PITE respectively use e-mail. 30(37.5%) and 65(65%) respondents of TITS and PITE access e-newspaper. 30(37.5%) and 45(45%) respondents of TITS and PITE respectively prefer to use e-journal, e-magazine is also popular among more than 40% respondent of both the libraries. Use of e-books is made by 36 (36%) respondent of PITE. In the similar study Monash library users are increasingly dependent on electronic resources, majority of the respondents love databases, e-journals and e-books, Wilson (2005).

Table 12 shows the features most like the library by the users. Majority of the respondents in PITE i.e. 30 (30%) like the library due to its staff's behavior followed by

21% for its good services. In TITS 20 (25%) respondents like the library for its good collection and 19 (23.75%) prefer due to its good environment.

## Conclusion

On the basis of the survey conducted on the users of both the textile Institute libraries some conclusions may be derived. TITS is a well reputed and renowned textile institution of India, PITE is new and comparatively less popular. But libraries of both the institutes are in the effort of doing well for their users. PITE library users seem more satisfied with the demanding services provided to them in compare to the users of TITS library. Library services (inter library loan, photocopy and reference) are rated good by the majority of the respondents in both the libraries. Plus point of PITE library is its book bank service for the students. Maximum students use internet for educational purpose, e-mail, e-journal and enewspaper in both the institute libraries but users of TITS library make more use of Internet than PITE. Respondents of PITE are fond of the library due to cooperative behavior of staff and good services where as TITS users like the library for its good collection and environment.

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