

DETERMINING FACTORS OF INFORMATION NEEDS: A STUDY OF POSTGRADUATE COLLEGES OF JALANDHAR

Jagjit Singh

The paper deals with the various determining factors of information needs of the faculty of four different Postgraduate Colleges of Jalandhar with special reference to information seeking behavior of the faculty. The study reveals that information needs of the faculty depend upon various factors such as Designation of faculty, Gender, Qualification, Teaching and Research Experience. Majority of respondents are Male, Postgraduate Assistant Professors with 1-5 Years of teaching experience; and more than 16 years of research experience. The study reveals that majority of respondents visit the library twice a week, using the library facilities for 6 hours per week.

Keywords: Determining Factors; Information Needs; Faculty; Library; Postgraduate Colleges; Jalandhar.

INTRODUCTION

Information is an imperative resource for public progress. It is an essential raw material for exact decision making from governmental to personal level. Information is one of the necessary resources that is required and utilized by human being for their growth and success. It is an active, enormous and extensive resource that affects all areas of knowledge. Information is recognized as vital components of all human activities [1]. Libraries, particularly the college libraries are subscribing limited resources by which they have to fulfil the information needs of their users. Consequently, college libraries have to subscribe resources and services as per their users' information needs. Users are an imperative component of any college library. So, users information needs can be assessed with the help of user studies or user survey [2].

LITERATURE REVIEW

Related literature pertaining to the present study is hereby reviewed as follows:

Kamble and Kunthgal [3] surveyed Information needs and behaviour of students and faculty of Colleges affiliated to Mysore University. The survey finds that 71% of the total sample of the students and faculty visit the library to borrow books, 70.5% for preparing their class notes and 69.1% to update their knowledge, 56.1% use for consulting reference sources, 37.4% for research work, 19.7% for use of Internet and 18.5% for writing research papers.

Das and Patra [4] surveyed Information needs and expectations of faculty in management studies. The study reveals that 95.01% Majority of respondents mostly prefer EBSCO databases, 44.11% Emerald, 65.68% ABI Inform, 58.16% CMIE. (57.18%) respondents use online database, 46.40% print sources, 27.77% audio/video and 23.52% web resources. 213(69.60%) respondents use library services once in a week, 68(22.22%) once in a month and 25(8.16%) 2 to 3 times per a year.

Jagjit Singh
Doaba College,
Tanda Road,
Jalandhar City 144004,
Punjab
jagjit020@rediffmail.com

Jayaraman, Subramanian and Krishnaswamy [5] conducted survey on information needs and information seeking behaviour of students in Karpagam University. The survey reveals that 62 (51.67%) respondents visit the library daily, 38 (31.67%) 2-3 times in a week. 94 (78.33%) respondents visit the library for study purpose and 36 (30%) for the use of reference materials only. 78.33% respondents visit the library to study, 71.66% to borrow books, 65% to browse the internet, 30% to use reference materials, 36.66% to read journals and 85% to read newspapers and magazines.

Alabi, Nduka and Olatise [6] surveyed Information Service Delivery (ISD) in academic libraries: discovering new ways of satisfying the information needs of library users. The survey finds that 18 (38%) respondents use library for orientation, 15 (31%) for library instruction, 11 (23%) indicate that they provide hands on training for the use of electronic resources, 3 (6%) use library outreach programs and 1 (2%) did not provide answer to the item. 13 (65%) respondents use Booklets or Guides to deliver information services to their patrons, 60% use face-to-face delivery method and regular hands on training for library patrons, 1 (5%) use workshop as a strategy for information services delivery on a regular basis, 11 (55%) of respondents not use social networking sites such as the Face book, blog, twitter etc for information service delivery.

Nwagwu1 and Kolapo [7] surveyed Information needs, information sources and information search strategies of International Air Travellers in Nigeria. 61.7% respondents use Internet, 37.9% of them consult one more source, 7.3% radio, 7.14% television, 2.3% handbills. Most of the 67.8% respondents use a source for easy accessible, while 59.6% use as availability. 59.6% used a source.

Singh and Sharma [8] studied on assessing the information needs of faculty members of Hindi language and literature in various colleges of University of Delhi. The study reveals that 87(90.62%) of faculty members visit the library for preparing their lectures, 81(84.37%) for seminar/workshop presentation, 66(68.75%) for writing books/articles, and 63(65.62%) for gaining general awareness/knowledge. 93(96.87) respondents use text books for increasing their information seeking activities, 75 (78.12%) use Internet, 72(75%) use

Newspapers/magazines. The study finds that respondents use Hindi journals to update their knowledge.

Journals/periodicals, Thesis/Dissertations are also very popular among respondents in comparison to other resources.

Partap [9] studied information needs and Information seeking behaviour of Research Fraternity of Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar. The study reveals that 28% faculty members visit the library daily, 20% faculty members 2–3 times in a week, 16% weekly and fortnightly, 12% monthly and 08% occasionally. 84% faculty members use the library for writing research papers, 88% for e-resources, 72% for preparing the seminars and conferences and 48% for reading purpose only. 12% faculty members also make use of the library facilities for their projects and 44% for indulging in writing a book.

OBJECTIVES OF THE STUDY

The specific objectives of the study are:

- To identify the determining factors of information needs of faculty of four Postgraduate Colleges of Jalandhar.
- To know the qualifications, age, designation, teaching experience, research experience of the faculty.
- To know the frequency of visiting and usage of college library by the faculty.

SCOPE

The study is limited to the faculty members of the four Postgraduate Colleges of Jalandhar, namely:

- Apeejay College of Fine Arts, Jalandhar
- Doaba College, Jalandhar
- GNDU College, Jalandhar
- Lyallpur Khalsa College, Jalandhar

METHODOLOGY

In the present study, questionnaire method was used for collecting the data. A well structured questionnaire was prepared consisting 15 questions for knowing various determining factors of information needs of the faculty. A total of 290 questionnaires were administered personally among

the faculty, out of which 280 questionnaires were received back (Table 1) [10].

Table 1: Questionnaire Response

Name of the College	Questionnaires Distributed	Response (%)
	Faculty	Faculty
Apeejay College of Fine Arts, Jalandhar	60	56(93.34%)
Doaba College, Jalandhar	90	88 (97.78%)
GNDU College, Jalandhar	60	58(96.67%)
Lyallpur Khalsa College, Jalandhar	80	78(96.67%)
Total	290	280(96.56%)

ANALYSIS AND FINDINGS

Table 2: Status of Faculty

Name of the College	Designation		Total number of Respondents (%)
	Number of Associate Professors (%)	Number of Assistant Professors (%)	
Apeejay College of Fine Arts, Jalandhar	12 (21.43)	44 (78.54)	56 (100.00)
Doaba College, Jalandhar	33 (37.50)	55 (62.50)	88 (100.00)
GNDU College, Jalandhar	16 (27.59)	42 (72.42)	58 (100.00)
Lyallpur Khalsa College, Jalandhar	28 (35.90)	50 (64.11)	78 (100.00)
Total	89 (31.79)	191 (68.22)	280 (100.00)

Table 2 shows that 89 (31.79%) faculty (68.22%) working as an Assistant Professors. It is included in the study are working as an Associate clear that Assistant Professors are in great number Professors in the different colleges and 191 than the Associate Professors in the present study.

Table 3: Gender Wise Distribution of Faculty

Name of the College	Gender		Total number of Respondents (%)
	Male (%)	Female (%)	
Apeejay College of Fine Arts, Jalandhar	26 (46.43)	30 (53.58)	56(100.00)
Doaba College, Jalandhar	46 (52.28)	42 (47.73)	88(100.00)
GNDU College, Jalandhar	30 (51.43)	28 (48.28)	58(100.00)
Lyallpur Khalsa College, Jalandhar	46 (58.98)	32 (41.03)	78(100.00)
Total	148 (52.86)	132 (47.15)	280 (100.00)

Table 3 shows that 148 (52.86%) respondents belong to male category and 132 (47.15%) were from female category.

Table 4: Qualification of Faculty

Name of the College	Qualification			Total number of Respondents (%)
	Post-Graduate (%)	M. Phil (%)	Ph.D. (%)	
Apeejay College of Fine Arts, Jalandhar	37 (66.08)	08 (14.29)	11 (19.65)	56(100.00)
Doaba College, Jalandhar	49 (55.69)	17 (19.32)	22 (25.00)	88(100.00)
GNDU College, Jalandhar	37 (63.80)	12 (20.69)	9 (15.52)	58(100.00)
Lyallpur Khalsa College, Jalandhar	42 (53.85)	08 (10.26)	28 (35.90)	78(100.00)
Total	165 (58.93)	45 (16.08)	70 (25.00)	280(100.00)

Table 4 shows that majority of respondents 165 (58.93%) included in the study are post-graduate, 70 (25%) Ph.D. and 45 (16.08%) M. Phil.

Table 5: Teaching Experience of Faculty

Name of the College	Teaching Experience					Total number of Respondents (%)
	1 -5 Year (%)	6-10 Years (%)	11-15 Years (%)	16-20 Years (%)	21 Years and above (%)	
Apeejay College of Fine Arts, Jalandhar	18 (32.15)	8 (14.29)	12 (21.43)	7 (12.50)	11 (19.65)	56 (100.00)
Doaba College, Jalandhar	25 (28.41)	13 (14.78)	15 (17.05)	20 (22.73)	15 (17.05)	88 (100.00)
GNDU College, Jalandhar	24 (41.38)	5 (8.62)	9 (15.52)	11 (18.97)	9 (15.52)	58 (100.00)
Lyallpur Khalsa College, Jalandhar	36 (46.16)	8 (10.26)	12 (15.39)	8 (10.26)	14 (17.95)	78 (100.00)
Total	103 (36.79)	34 (12.15)	48 (17.15)	46 (16.43)	49 (17.50)	280 (100.00)

Table 5 shows that majority of respondents than 21 years, 48 (17.15) possess 11-15 years, 46 (16.43%) possess 11-15 years, and 34 (12.15%) possess 6-10 years. 103 (36.79%) have 1 to 5 year teaching experiences in their respective field, 49 (17.50%) possess more

Table 6: Research Experience of Faculty

Name of the College	Research Experience				Total number of Respondents (%)
	1 -5 Year (%)	6-10 Years (%)	11-15 Years (%)	More than 16 Years (%)	
Apeejay College of fine Arts, Jalandhar	12 (21.43)	9 (16.08)	18 (32.15)	17 (30.36)	56 (100.00)
Doaba College, Jalandhar	22 (25.00)	16 (18.19)	15 (17.05)	35 (39.78)	88 (100.00)
GNDU College, Jalandhar	14 (24.14)	12 (20.69)	18 (31.04)	14 (24.14)	58 (100.00)

SINGH: Determining Factors of Information Needs

Lyallpur Khalsa College, Jalandhar	22 (28.21)	12 (15.39)	20 (25.65)	24 (30.77)	78 (100.00)
Total	70 (25.00)	49 (17.50)	71 (25.36)	90 (32.15)	280 (100.00)

Table 6 shows that majority of respondents (25%) having 1-5 year and 49 (17.50) having 6-10 years. 90 (32.15%) is having research experience more than 16 years, 71 (25.36%) having 11-15 years, 70

Table 7: Frequency of Library Visit by the Faculty as per their Designation

Frequency		Faculty				Total (Ave %)
		Apeejay College of Fine Arts Jalandhar	Doaba College, Jalandhar	GNDU College, Jalandhar	Lyallpur Khalsa College for Boys, Jalandhar	
Daily	Associate Professors (%)	03 (3.37)	08 (8.99)	02 (2.25)	04 (4.50)	17 (19.11)
	Assistant Professors (%)	08 (4.19)	12 (6.29)	06 (3.15)	16 (8.38)	42 (21.99)
Twice a week	Associate Professors (%)	06 (6.75)	16 (17.98)	09 (10.12)	14 (15.73)	45 (50.57)
	Assistant Professors (%)	16 (8.38)	34 (17.81)	20 (10.48)	26 (13.62)	96 (50.27)
Once a week	Associate Professors (%)	02 (2.25)	06 (6.75)	03 (3.37)	04 (4.50)	15 (16.86)
	Assistant Professors (%)	12 (6.29)	08 (4.19)	12 (6.29)	06 (3.15)	38 (19.90)
Monthly	Associate Professors (%)	01 (1.13)	03 (3.37)	02 (2.25)	06 (6.75)	12 (13.49)
	Assistant Professors (%)	08 (4.19)	01 (0.53)	04 (2.10)	02 (1.05)	15 (7.86)

Table 7 reveals that majority of Associate professors 45 (50.57%) visit the library twice a week, 17 (19.11%) daily, 15 (16.86%) once in a week and 12 (13.49%) monthly. On the other side majority of Assistant Professors 96 (50.27%) also visit the library twice a week, 42 (21.99%) daily, 38 (19.90%) once in a week and 15 (7.86%) monthly.

Table 8: Frequency of Library Visit by the Faculty as per Gender-Wise

Frequency		Faculty				Total (Ave %)
		Apeejay College of Fine Arts Jalandhar	Doaba College, Jalandhar	GNDU College, Jalandhar	Lyallpur Khalsa College for Boys, Jalandhar	
Daily	Male (%)	06(4.06)	11(7.44)	08(5.41)	08(5.41)	33(22.30)
	Female (%)	08(6.06)	12(9.09)	02(1.52)	06(4.55)	28(21.22)
Twice a week	Male (%)	14(9.46)	23(15.54)	12(8.11)	25(16.90)	74(50.00)
	Female (%)	09(6.82)	24(18.19)	14(10.61)	16(12.13)	63(47.73)
Once a week	Male (%)	04(2.71)	09(6.09)	08(5.41)	08(5.41)	29(19.60)
	Female (%)	07(5.31)	04(3.03)	09(6.82)	06(4.55)	26(19.70)
Monthly	Male (%)	02(1.36)	03(2.03)	02(1.36)	05(3.38)	12(9.09)
	Female (%)	06(4.55)	02(1.52)	03(2.28)	04(1.52)	15(11.37)

Table 8 reveals that majority of male members 74 (50%) visit the library twice a week, 33 (22.30%) daily, 29 (19.60%) once in a week and 12 (9.09%) monthly. On the other side majority of female members 63 (47.73%) also visit the library twice a week, 28 (21.22%) daily, 26 (19.70%) once in a week and 15 (11.37%) monthly.

Table 9: Frequency of Library Visit by the Faculty as per their Qualifications

Frequency		Faculty				Total (Ave %)
		Apeejay College of Fine Arts Jalandhar	Doaba College, Jalandhar	GNDU College, Jalandhar	Lyallpur Khalsa College for Boys, Jalandhar	
	Qualification					
Daily	PG (%)	05 (3.03)	09 (5.46)	08 (4.85)	06 (3.64)	28 (16.97)
	M. Phil (%)	02 (4.45)	03 (6.67)	03 (6.67)	02 (4.45)	10 (22.23)
	Ph.D. (%)	02 (2.86)	16(22.86)	01 (1.43)	11 (15.72)	30 (42.86)
Twice a week	PG (%)	19 (11.52)	12(7.28)	22 (13.34)	28 (16.97)	81 (49.09)
	M. Phil (%)	05 (11.12)	11 (24.45)	06 (13.34)	04 (8.89)	26 (57.78)
	Ph.D. (%)	06 (8.58)	23(32.86)	05 (7.15)	09 (12.86)	43 (61.43)
Once a week	PG (%)	08 (4.85)	01 (0.61)	06 (3.64)	05 (3.03)	20 (12.13)
	M. Phil (%)	01 (2.23)	01 (2.23)	02 (4.45)	02 (4.45)	06 (13.34)
	Ph.D. (%)	02 (2.86)	08(11.43)	02 (2.86)	03 (4.29)	15 (21.43)
Monthly	PG (%)	05 (3.03)	-	01 (0.61)	03 (1.82)	09 (5.46)
	M. Phil (%)	-	02(4.45)	01 (2.23)	-	03 (6.67)
	Ph.D. (%)	01 (1.43)	02 (2.86)	01 (1.43)	05 (7.15)	09 (12.86)

Table 9 find that majority of Post-Graduate faculty 81 (49.09%) visit the library twice a week, 28 (16.97%) daily, 20 (12.13%) once in week, and 09 (5.46%) monthly. Majority of M. Phil faculty 26 (57.78%) visit the library twice a week, 10 (22.23%)

daily, 06 (13.34%) once a week and 03 (6.67%) monthly. Majority of Ph.D. faculty 43 (61.43%) visit the library twice a week, 30 (42.46%) daily, 15 (21.43%) once a week and 09 (12.86%) monthly.

Table 10: Frequency of Library Visit by the Faculty as per their Teaching

Frequency		Faculty				Total (Ave %)
		Apeejay College of Fine Arts Jalandhar	Doaba College, Jalandhar	GNDU College, Jalandhar	Lyallpur Khalsa College for Boys, Jalandhar	
	Teaching Experience					
Daily	1-5 Year (%)	04(3.89)	04(3.89)	05(4.86)	09(8.74)	22(21.36)
	6-10 Years (%)	02(5.89)	01(2.95)	01(2.95)	02(5.89)	06(17.65)
	11-15 Years (%)	03(6.25)	02(4.17)	02(4.17)	03(6.25)	10(20.84)
	16-20 Years (%)	02(4.35)	06(12.25)	03(6.53)	02(4.35)	13(28.26)
	21 Years and above (%)	04 (8.17)	04 (8.17)	02 (4.09)	05 (10.21)	15 (30.62)
Twice a week	1-5 Year (%)	08(7.77)	18(17.48)	14(13.60)	20(19.42)	60(58.26)
	6-10 Years (%)	04(11.77)	08(23.53)	03(8.83)	05(14.71)	20(58.83)
	11-15 Years (%)	05(10.42)	09(18.75)	05(10.42)	05(10.42)	24(50.00)
	16-20 Years (%)	04(8.17)	12(24.49)	06(12.25)	04(8.17)	26(53.07)
	21 Years and above (%)	04 (8.17)	07 (14.29)	04 (8.17)	08 (16.33)	23 (46.94)
Once a week	1-5 Year (%)	04(3.89)	03(2.92)	04(3.89)	05(4.86)	16(15.54)
	6-10 Years (%)	01(2.95)	03(8.83)	-	01(2.95)	05(14.71)
	11-15 Years (%)	03(6.25)	03(6.25)	01(2.09)	01(2.09)	08(16.67)
	16-20 Years (%)	01(2.18)	01(2.18)	01(2.18)	02(4.35)	05(10.87)
	21 Years and above (%)	02 (4.09)	03 (6.13)	01 (2.04)	01 (2.04)	07 (14.29)
Monthly	1-5 Year (%)	02(1.95)	-	01(0.97)	02(1.95)	05(4.86)
	6-10 Years (%)	01(2.95)	01(2.95)	01(2.95)	-	03(8.83)
	11-15 Years (%)	01(2.09)	01(2.09)	01(2.09)	03(6.25)	06(12.50)
	16-20 Years (%)	-	01(2.18)	01(2.18)	-	02(4.35)
	21 Years and above (%)	01 (2.04)	01 (2.04)	02 (4.09)	-	04 (8.17)

Table 10 shows that majority 60 (58.26%) of 1-5 year teaching experience faculty visit the library twice a week, 22 (21.36%) daily, 16 (15.54%) once in a week, and 05 (4.86%) monthly. Majority 20 (58.83%) of 6-10 year faculty visit the library

twice a week, 06 (17.65%) daily, 05 (14.71%) once a week, and 03 (8.83%) monthly. Majority 24 (50%) of 11-15 year faculty visit the library twice a week, 10 (20.84%) daily, 08 (16.67%) once a week, and 06 (12.50%) monthly. Majority of 26 (53.07%) of

16-20 year faculty visit the library twice a week, 13 (28.26%) daily, 05 (10.87%) once in a week and 02 (4.35%) monthly. Majority of 23 (46.94%) having more than 21 years teaching experienced faculty visit the library twice a week, 15 (30.62%) daily, 07 (14.29%) once a week and 04 (8.17%) monthly.

Table 11: Frequency of Library Visit by the Faculty as per their Research Experience

Frequency		Faculty				Total (Ave %)
		Apeejay College of Fine Arts Jalandhar	Doaba College, Jalandhar	GNDU College, Jalandhar	Lyallpur Khalsa College for Boys, Jalandhar	
	Research Experience					
Daily	1-5 Year (%)	04(5.72)	01(1.43)	03(4.29)	06(8.58)	14(20.00)
	6-10 Years (%)	02(4.09)	02(4.09)	01(2.04)	03(6.13)	08(16.33)
	11-15 Years (%)	04(5.64)	01(6.67)	05(7.05)	06(8.45)	16(22.54)
	More than 16 Years (%)	02 (2.23)	09 (10.00)	02 (2.23)	08 (8.89)	21 (23.34)
Twice a week	1-5 Year (%)	07(10.00)	19(27.15)	08(11.43)	10(14.29)	44(62.86)
	6-10 Years (%)	05(10.21)	08(16.33)	06(12.25)	06(12.25)	25(51.02)
	11-15 Years (%)	09(12.68)	10(14.09)	09(12.68)	08(11.27)	36(50.71)
	More than 16 Years (%)	09 (10.00)	21 (23.34)	10 (11.12)	12 (13.34)	52 (57.78)
Once a week	1-5 Year (%)	01(1.43)	02(2.86)	02(2.86)	04(5.72)	09(12.86)
	6-10 Years (%)	02(4.09)	05(10.21)	03(6.13)	02(4.09)	12(24.49)
	11-15 Years (%)	03(4.23)	03(4.23)	03(4.23)	04(5.64)	13(18.31)
	More than 16 Years (%)	04 (4.45)	03 (3.34)	01 (1.12)	03 (3.34)	11 (12.23)
Monthly	1-5 Year (%)	-	-	01(1.43)	02(2.86)	03(4.29)
	6-10 Years (%)	01(2.04)	01(2.04)	02(4.09)	01(2.04)	05(10.21)
	11-15 Years (%)	02(2.82)	01(1.41)	01(1.41)	02(2.82)	05(7.05)
	More than 16 Years (%)	02 (2.23)	02 (2.23)	01 (1.12)	01 (1.12)	06 (6.67)

Table 11 shows that majority 44 (62.86%) of 1-5 year research experience faculty visit the library twice a week, 14 (20%) daily, 09 (12.86%) once a week and 03 (4.29%) monthly. Majority 25 (51.02%) of 6-10 years faculty visit the library twice a week, 12 (24.49%) once a week, 08 (16.33%) daily and 05 (10.21%) monthly. Majority 36 (50.71%) of

11-15 years faculty visit the library twice a week, 16 (22.54%) daily, 13(18.31%) once a week, and 05 (7.05%) monthly. Majority of 52 (57.78%) having more than 16 year research experience faculty visit the library twice a week, 21 (23.34%) daily, 11 (12.23%) once a week and 06 (6.67%) monthly.

Table 12: Use of Library by the Faculty as per their Designation

Usage of Library per hours in a Week		Faculty				Total (Ave %)
		Apeejay College of Fine Arts Jalandhar	Doaba College, Jalandhar	GNDU College, Jalandhar	Lyallpur Khalsa College for Boys, Jalandhar	
Up to 6 Hours	Associate Professors (%)	08(8.99)	27(30.34)	09(10.12)	18(20.23)	62(69.67)
	Assistant Professors (%)	26(13.62)	40(20.95)	28(14.66)	32(16.76)	126(65.97)
6-12 Hours	Associate Professors (%)	04(4.50)	06(6.75)	07(7.87)	08(8.99)	25(28.09)
	Assistant Professors (%)	12(6.21)	13(6.81)	12(6.29)	15(7.86)	52(27.23)
12-18 hours	Associate Professors (%)	-	-	-	02(2.25)	02(2.25)
	Assistant Professors (%)	06(3.15)	02(1.05)	02(1.05)	03(1.57)	13(6.81)
Above 18 Hours	Associate Professors (%)	-	-	-	-	-
	Assistant Professors (%)	-	-	-	-	-

Table 12 shows that majority of Associate professors 62 (69.67%) use the library up to 6 hours in a week, 25 (28.09%) use 6 -12 hours, and 02 (2.25%) use 12-18 hours . On the other side majority of Assistant Professors 126 (65.97%) use the library up to 6 hours in a week, 52 (27.23%) use 6-12 hours, and 13 (6.81%) use 12-18 hours.

Table 13: Use of Library by the Faculty as per Gender-Wise

Usage of Library per Hours in a week		Faculty				Total (Ave %)
		Apeejay College of Fine Arts Jalandhar	Doaba College, Jalandhar	GNDU College, Jalandhar	Lyallpur Khalsa College for Boys, Jalandhar	
Up to 6 Hours	Male (%)	09 (6.09)	36 (24.33)	12 (8.11)	32 (21.63)	89 (60.14)
	Female (%)	25 (18.94)	31 (23.49)	25 (18.94)	18 (13.64)	99 (75.00)
6-12 Hours	Male (%)	11 (7.44)	08 (5.41)	15 (10.14)	10 (6.76)	44 (29.73)
	Female (%)	05(3.79)	11(8.34)	04(3.03)	13(9.85)	33(25.00)
12-18 hours	Male (%)	06(4.06)	02(1.36)	02(1.36)	04(2.71)	14(9.46)
	Female (%)	-	-	-	01(0.76)	01(0.76)
Above 18 Hours	Male (%)	-	-	-	-	-
	Female (%)	-	-	-	-	-

Table 13 finds that majority of male members 89 (60.14%) use the library up to 6 hours in a week, 44 (29.73%) use 6-12 hour, and 06 (4.06) use 12-18 hours. From the female group majority 99 (75%) use the library up to 6 hours in a week, 33 (25%) use 6-12 hours, and 01 (0.76) use 12-18 hours.

Table 14: Use of Library by the Faculty as per their Qualifications

Usage of Library per Hours in a week		Faculty				Total (Ave %)
		Apeejay College of Fine Arts Jalandhar	Doaba College, Jalandhar	GNDU College, Jalandhar	Lyallpur Khalsa College for Boys, Jalandhar	
	Qualification					
Up to 6 Hours	PG (%)	25(15.16)	45(27.26)	30(18.19)	30(18.19)	130(78.79)
	M. Phil (%)	01(2.23)	04(8.89)	03(6.67)	04(8.89)	12(24.49)
	Ph.D. (%)	08(11.43)	18(25.72)	04(5.72)	16(22.86)	46(65.72)
6-12 Hours	PG (%)	08(4.85)	02(1.22)	05(3.03)	07(4.25)	22(13.34)
	M. Phil (%)	06(13.34)	13(28.89)	09(18.37)	04(8.17)	32(65.31)
	Ph.D. (%)	02(2.86)	04(5.72)	05(7.15)	12(17.15)	23(32.86)
12-18 hours	PG (%)	04(2.43)	02(1.22)	02(1.22)	05(3.03)	13(7.88)
	M. Phil (%)	01(2.04)	-	-	-	01(2.04)
	Ph.D. (%)	01(1.43)	-	-	-	01(1.45)
Above 18 Hours	PG (%)	-	-	-	-	-
	M. Phil (%)	-	-	-	-	-
	Ph.D. (%)	-	-	-	-	-

Table 14 reveals that majority of Post-Graduate faculty 130 (78.79%) use the library up to 6 hours in a week, 22 (13.34%) use 6-12 hours, and 13 (7.88) use 12-18 hours. Majority of M. Phil faculty 32 (65.31%) use the library 6-12 hours in a week, 12 (24.49%) use upto 6 hours, and 1 (2.04%) use 12-18 hours. Majority of Ph.D. faculty 46 (65.72%) use the library up to 6 hours in a week, 23(32.86%) use 6-12 hours, and 01 (1.45%) use 12-18 hours.

Table 15: Use of Library by the Faculty as per their Teaching Experience

Usage of Library per Hours in a week		Faculty				Total (Ave %)
		Apeejay College of Fine Arts Jalandhar	Doaba College, Jalandhar	GNDU College, Jalandhar	Lyallpur Khalsa College for Boys, Jalandhar	
	Teaching Experience					
Up to 6 Hours	1-5 Year (%)	12 (11.65)	14 (13.60)	18 (17.48)	28 (27.19)	72 (69.91)
	6-10 Years (%)	02 (5.89)	11 (32.36)	04 (11.77)	05 (14.71)	22 (64.71)
	11-15 Years (%)	08 (16.67)	12 (25.00)	01 (2.09)	08 (16.67)	29 (60.42)
	16 -20 Years (%)	06 (13.05)	18 (39.13)	08 (17.40)	07 (15.22)	39 (84.79)
	21 Years and above (%)	06 (12.25)	12 (24.49)	06 (12.25)	02 (4.09)	26 (53.07)

SINGH: Determining Factors of Information Needs

6-12 Hours	1-5 Year (%)	02 (1.95)	09 (8.74)	04 (3.89)	05 (4.86)	20 (19.42)
	6-10 Years (%)	04 (11.77)	02 (5.89)	01 (2.95)	02 (5.89)	09 (26.47)
	11-15 Years (%)	04 (8.34)	03 (6.25)	08 (16.67)	03 (6.25)	18 (37.50)
	16 -20 Years (%)	01 (2.18)	02 (4.35)	03 (6.53)	01 (2.18)	07 (15.22)
	21 Years and above (%)	05 (10.21)	03 (6.13)	03 (6.13)	12 (24.49)	23 (46.94)
12-18 Hours	1-5 Year (%)	04(3.89)	02(1.95)	02(1.95)	03(2.92)	11(22.45)
	6-10 Years (%)	02(5.89)	-	-	01(2.95)	03(3.83)
	11-15 Years (%)	-	-	-	01(2.09)	01(2.09)
	16 -20 Years (%)	-	-	-	-	-
	21 Years and above (%)	-	-	-	-	-
Above 18 Hours	1-5 Year (%)	-	-	-	-	-
	6-10 Years (%)	-	-	-	-	-
	11-15 Years (%)	-	-	-	-	-
	16 -20 Years (%)	-	-	-	-	-
	21 Years and above (%)	-	-	-	-	-

Table 15 reveals that majority 72 (69.91%) of 1-5 year teaching experience faculty use the library up to 6 hours in a week, 20 (19.42%) use 6-12 hours, and 11 (22.45%) use 12-18 hours. Majority 22 (64.71%) of 6-10 years experience faculty use the library upto 6 hours in a week, 09 (26.47%) use 6-12 hours, and 03 (8.83%) use 12-18 hours. Majority 29 (60.42%) of 11-15 years faculty use the library up to 6 hours in a week, 18 (37.50%) use 6-12 hours and 01 (2.09%) use 12-18 hours. Majority of 39 (84.79%) of 16-20 years faculty use the library up to 6 hours in a week, and 07 (15.22%) use 16-20 hours. Majority of 26 (53.07%) having more than 21 years teaching experienced faculty use the library up to 6 hours in a week and 23 (46.94%) use 6-12 hours.

Table 16: Use of Library by the Faculty as per their Research Experience

Usage of Library per Hours in a Week		Faculty				Total (Ave %)
		Apeejay College of Fine Arts Jalandhar	Doaba College, Jalandhar	GNDU College, Jalandhar	Lyallpur Khalsa College for Boys, Jalandhar	
	Research Experience					
Up to 6 Hours	1-5 Year (%)	07(10.00)	12(17.15)	08(11.43)	16(22.86)	43(61.43)
	6-10 Years (%)	06(12.25)	12(24.49)	07(14.29)	08(16.33)	33(67.35)
	11-15 Years (%)	16(22.54)	13(18.31)	16(22.54)	16(22.54)	61(85.92)
	More than 16 Years (%)	05 (5.66)	30 (33.34)	06 (6.67)	10 (11.12)	51 (56.67)

6-12 Hours	1-5 Year (%)	01(1.43)	08(11.43)	04(5.72)	02(2.86)	15(21.43)
	6-10 Years (%)	01(2.04)	04(8.17)	05(10.21)	03(6.13)	13(26.53)
	11-15 Years (%)	02(2.82)	02(2.82)	02(2.82)	04(5.64)	10(14.09)
	More than 16 Years (%)	12 (13.34)	05 (5.56)	08 (8.89)	14 (15.56)	39 (43.34)
12-18 Hours	1-5 Year (%)	04(5.72)	02(2.86)	02(2.86)	04(5.72)	12(17.15)
	6-10 Years (%)	02(4.09)	-	-	01(2.04)	03(6.13)
	11-15 Years (%)	-	-	-	-	-
	More than 16 Years (%)	-	-	-	-	-
Above 18 Hours	1-5 Year (%)	-	-	-	-	-
	6-10 Years (%)	-	-	-	-	-
	11-15 Years (%)	-	-	-	-	-
	More than 16 Years (%)	-	-	-	-	-

Table 16 reveals that majority 43 (61.43%) of 1-5 year research experience faculty use the library up to 6 hours in a week, 15 (21.43) use 6-12 hours, and 12 (17.15%) use 12-18 hours. Majority 33 (67.35%) of 6-10 years faculty use the library up to 6 hours in a week, 13 (26.53%) use 6-12 hours, and 03 (6.13%) use 12-18 hours. Majority 61 (85.92%) of 11-15 years faculty use the library up to 6 hours in a week and 10 (14.09%) use 6-12 hours. Majority of 51 (56.67%) having more than 16 years research experience faculty use the library up to 6 hours in a week and 39 (43.34%) use 6-12 hours.

FINDINGS OF THE STUDY

- Majority of respondents 191 (68.22%) are Assistant professors and 148 (52.86%) respondents belong to male group.
- Majority 165 (58.93%) of respondents are having Postgraduate qualifications.
- A great number 103 (36.79%) of respondents possess 1-5 years of teaching experience.
- Majority 90 (32.15%) of respondents are having more than 16 years research experience in their respective fields.
- 45 (50.57%) Associate Professors and 96 (50.27%) Assistant Professors visit the library twice in a week.
- 74 (50.00%) Male and 63 (47.73%) female faculty visit the library twice a week.
- 81 (49.09%) Postgraduate, 26 (57.78%) M. Phil, and 43 (61.43%) Ph.D. faculty visits the library twice a week.
- Majority of the faculty, 60 (58.26%) with 1-5 years of experience, 20 (58.26%) with 6-10 years of experience, 24 (50%) with 11-15 years of experience, 26 (53.07%) with 16-20 years of experience, and 23 (46.94%) who are having more than 21 years of teaching experience visit the library twice a week.
- 44 (62.86%) of 1-5 year, 25 (51.02%) of 6-10 years, 36 (50.71%) of 11-15 years, 52 (57.78%) having more than 16 years research experience faculty visit the library twice a week.
- Majority of 62 (69.67%) Associate Professors and 126 (65.97%) of Assistant Professors use the library up to 6 hours per week.

- Majority of 89 (60.14%) male faculty and 99 (75%) female faculty use the library up to 6 hours per week.
- Majority of 130 (78.79%) Post-Graduate, and 46 (65.72%) Ph.D. faculty use the library up to 6 hours per week and 32 (65.31%) use the library 6-12 hours per week.
- Majority 72 (69.91%) of 1-5 year, 22 (64.71%) of 6-10 years, 29 (60.42%) of 11-15 years, 39 (84.79%) of 16-20 years, and 26 (53.07%) having more than 21 years teaching experience faculty use the library up to 6 hours a week.
- Majority of the faculty members, i.e. 43 (61.43%) with 1-5 years of experience, 33 (67.35%) with 6-10 years of experience, 61 (85.92%) with 11-15 years of experience, and 51 (56.67%) having more than 16 years of research experience, use the library up to 6 hours per week.

CONCLUSION

Faculty of Four Postgraduate Colleges of Jalandhar is very active to access their information needs from their college library. A number of determining factors regulate their information needs. The present study reveals that faculty members visit the library twice in week mostly and use the library normally up to 6 hours in a week and that the faculty is fully satisfied from their college library resources and services.

REFERENCES

- [1] Yadav, Akhilesh K.S. & Singh, Pradeep Kumar. Information needs and information-seeking behaviour of post-graduate and doctoral students. *Library Progress (International)*, 36(2), 2016, 153-165.
- [2] Singh, Gurdev & Arora, Taruna. Information Seeking Needs of Political Science Teachers of Colleges of University of Delhi: A Case Study. *Library Herald*, 51(1), 2013, 66-77.
- [3] Kamble, V.T. & Kunthgal, Arjun Hasan. Information needs and behaviour of students and faculty: a case study of colleges affiliated to Mysore University. *Pearl*, 3(2), 2009, 38-41.
- [4] Das, K.C. & Patra, Partha Sarathi. Information needs and expectations of faculty in Management Studies: problems and solutions. *PEARL- A Journal of Library and Information Science*, 5(2), 2011, 8-16.
- [5] Jayaraman, S., Subramanian, B. & Krishnaswamy, N. Information needs and information seeking behaviour of students in Karpagam University: a survey. *Library Progress (International)*, 31(2), 2011, 181-186.
- [6] Alabi, Adefunke Olanike; Nduka, Stella Chinnaya & Olatise, Olubukola Motunrayo. Information Service Delivery (ISD) in academic libraries: discovering new ways of satisfying the information needs of library users. *Library Progress (International)*, 32(2), 2012, 109-121.
- [7] Nwagwu, Williams & Kolapo, Ayodeji. Information needs, information sources and information search strategies of International Air Travellers in Nigeria. *PEARL- A Journal of Library and Information Science*, 6(4), 2012, 216-234.
- [8] Singh, Gurdev & Sharma, Monika. Assessing the information needs of faculty members of Hindi in various colleges of University of Delhi: a case study. *Library Herald*, 52(2), 2014, 121-133.
- [9] Partap, Bhanu. A study of information needs and seeking behaviour of research fraternity of Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar (India). *PEARL- A Journal of Library and Information Science*, 10(2), 2016, 102-116.
- [10] Behera, Sangita & Satpathy, Sunil Kumar. Factors affecting information needs of faculty members of Teachers Training Institutions of Odisha. *Desidoc Journal of Information Technology*, 34(5), 2014, 407-411.