

University of Nebraska - Lincoln

DigitalCommons@University of Nebraska - Lincoln

Library Philosophy and Practice (e-journal)

Libraries at University of Nebraska-Lincoln

4-1-2012

User Education in Agricultural Science University Libraries in India with Special reference to South India

B. U. Kannappanavar

Kuvempu University, kannappanavar@gmail.com

H.M. Chidananda Swamy

JNN College of Engineering Shimoga, India

Follow this and additional works at: <http://digitalcommons.unl.edu/libphilprac>



Part of the [Library and Information Science Commons](#)

Kannappanavar, B. U. and Chidananda Swamy, H.M., "User Education in Agricultural Science University Libraries in India with Special reference to South India" (2012). *Library Philosophy and Practice (e-journal)*. Paper 720.

<http://digitalcommons.unl.edu/libphilprac/720>

<http://unllib.unl.edu/LPP/>

Library Philosophy and Practice 2012

ISSN 1522-0222

User Education in Agricultural Science University Libraries in India with Special reference to South India

[Dr. B.U. Kannappanavar](#)

Librarian

Sahyadri Arts College

Vidyanagar, Shimoga-577203, India. E-mail:

Dr. H.M. Chidananda Swamy

Librarian

JNN College of Engineering

Shimoga, India

Introduction

Agriculture university libraries play an important role in providing the right direction to the agriculture, scientific and technological development of a nation. The agriculture university is to develop the personality of the human being as a whole. Every library exists, to serve the needs of its own community of users. It follows the overall evaluation of library thought to base mainly on how well it serves these needs. The organized information and dissemination function to suit the needs of the users necessitate a study of library and information service needs of users.

With the strides in the area of Science and Technology, any information centre has to initiate and sustain a variety of library and information services to provide the right type of information to the users. To achieve this, it is necessary to have a continuous feed back from the users. One of the ways by which, this can be achieved is by observing and analyzing the requests received for further information on any of the items already included in the library and information services. By this it is possible to know which are the areas of interest and orient the contents of the library and information services according to those requirements. This will form a quick and continuous way of evaluating the various library and information services. This type of evaluation will also help to facilitate the information centre to collect and keep the right type of information, which is sought most by the users.

Objectives of the Study

A major objective of the present study is to know the user perception and opinion and evaluate the '*User Education in Agricultural University Libraries in India: With Special Reference to South India*'. Following are the other objectives of the study.

1.1. To know the frequency of conducting the user education programmes in the Agricultural University libraries

1.2. To assess the different methods used for conducting the user education in Agricultural University libraries

2. Hypothesis

Any scientific investigation starts with the statement of a problem followed by a tentative generalization in the form of a proposition i.e. hypothesis. Keeping in view the objectives of the study attempts have been made to test the following hypothesis

There is a significant relationship among the opinion of the Post Graduate Students, Research Scholars and Faculty Members towards overall satisfaction of user education service.

Methodology

There have been many methods and techniques are available for data collection. Among them questionnaire survey is found to be very useful techniques for collecting data relating to the users and their information needs. So the survey method is adapted for the present study, which can be applied for collecting data

Analysis and Interpretation of Data: Users Point View

Here an attempt has been made to analyze and interpret the data collected on users opinion of "User Education in Agriculture University Libraries in India: with Special Reference to South India." After collecting data, suitable tables have been formulated for each aspect with the aid of computer and the percentages of their performance are analyzed. In some important aspects cross comparisons are also made. Further, to trace out the variations between Post Graduate Students, Research Scholars and Faculty Members, Chi-Square Test has been conducted and the calculated values are displayed. The analysis of the evaluative study reveals that some of the findings are really startling. Results of the evaluative study are analyzed and displayed here under:

Users General Information in Agricultural University Libraries in South India

Population of this study consists of three categories of users i.e. Post Graduate Students, Research Scholars and Faculty Members (at different level). Since the population size of south Indian agricultural universities is very large, random sampling technique has been applied. Post Graduate Students sample size being larger has been limited to 25% of their total population, whereas for the Research Scholars and Faculty Members the sample size is 20% of the Research Scholars and Faculty Members strength. The sample size is inclusive of all south Indian agricultural universities. The details of population size and sample selected i.e., questionnaires administered along with the response has been provided in the following Table 1

Population, Sample Size in Agricultural University Libraries in South India

Table 1. Population, Sample Size of the Distributed Questionnaires

	Total	Questionnaires	Questionnaires	Total	Total
--	-------	----------------	----------------	-------	-------

	Population	Distributed	Distributed (%)	Respondents	Respondents (%)
	895	200	22.34	163	81.50
	802	200	24.93	146	73.00
	1164	200	17.18	154	77.00
	836	200	23.92	147	73.50
	699	200	28.61	155	77.50
	4396	1000	20.25	765	76.50
Note:	UASB = University of Agricultural Sciences Bangalore.				
	ANGRAUH = Acharya N.G. Ranga Agricultural University Hyderabad.				
	TNAUC = Tamil Nadu Agricultural University Coimbatore.				
	KAUT = Kerala Agricultural University Thrissur				
	UASD = University of Agricultural Sciences Dharwad.				

Table 1 shows clearly the entire population and the sample size of the respondents under the study. It is observed from the study that there were totally 4396 users, out of which 1000 users have been chosen as sample and distributed the questionnaires to them. Out of 1000 respondents 765 were returned the filled in questionnaire and which amount to 76.50%. In case of university librarians, the response is 100% since the researcher has paid a visit to each university and has personally distributed the questionnaires and collected the duly completed questionnaires.

The details of the various responses on users parameters are presented in table numbers 1 to 5. The highest percentage of response has come from University of Agricultural Sciences Library, Bangalore 81.50 (163), next is University of Agricultural Sciences Library, Dharwad with 77.50 (155), followed by Tamil Nadu Agricultural University Library, Coimbatore 77.00 (154), Kerala Agricultural University Library, Thrissur 73.50 (147) and the least response is form Acharya N.G. Ranga Agricultural University Library, Hyderabad 73.00 (146).

Gender Wise Questionnaires Distribution in Agricultural University Libraries in South India

Table 2. Gender wise Distribution of Respondents

Name of the University	Questionnaires Distributed	Male Respondents	Female Respondents	Total Respondents
UASB	200	120	43	163

		(15.68)	(5.62)	(21.30)
ANGRAUH	200	109 (14.24)	37 (4.83)	146 (19.08)
TNAUC	200	115 (15.03)	39 (5.09)	154 (20.13)
KAUT	200	110 (14.37)	37 (4.83)	147 (19.21)
UASD	200	116 (15.16)	39 (5.09)	155 (20.26)
Total	1000	570 (74.50)	195 (25.49)	765 (100.00)

(Figures in Parenthesis indicate percentage)

The data on the gender details of the respondents are presented in the Table 2. The completed data in the table indicate that out of 765 respondents 570 (74.50%) are male and remaining 195 (25.49%) are females. This table shows that male is dominant over female categories.

Language Wise Respondents

Table 3. Language Wise Distribution of Respondents

Languages	UASB	ANGRAUH	TNAUC	KAUT	UASD	Total
English	163 (100.00)	146 (100.00)	154 (100.00)	147 (100.00)	155 (100.00)	765 (100.00)
Hindi	118 (72.39)	109 (74.66)	117 (75.97)	79 (53.74)	117 (75.48)	540 (70.59)
Kannada	83 (50.92)	23 (15.75)	13 (8.44)	27 (18.37)	99 (63.87)	245 (32.03)
Telugu	34 (20.86)	84 (57.53)	43 (27.92)	15 (10.20)	44 (28.39)	220 (28.76)
Tamil	10 (6.13)	22 (15.07)	83 (53.90)	16 (10.88)	3 (1.94)	134 (17.52)
Malayalam	15	20	29	85	16	165

	(9.20)	(13.70)	(18.83)	(57.82)	(10.32)	(21.57)
--	--------	---------	---------	---------	---------	---------

Note: Because of the multiple choices the percentages are not rounded of to 100 percent.

The data of language wise distribution of respondents are presented in Table 3. The data in the table shows that all the respondents under the study are proficiency in English language. 70% of the respondents have proficiency in the national language i.e., Hindi. Since the study is confined to south Indian agricultural universities, the regional languages have also played a dominant role. However the data shows that Kannada language occupies 32% followed by Telugu 28.76%, Tamil 17.52% and Malayalam 21.57% respectively.

Age Wise of Distribution of Library Users in Agricultural University Libraries in South India

Table 4. Age wise Distribution of Respondents

Users Age	UASB	ANGRAUH	TNAUC	KAUT	UASD	Total
21-30	109 (66.87)	91 (62.33)	108 (70.13)	108 (73.47)	112 (72.26)	528 (69.02)
31-40	21 (12.88)	21 (14.38)	26 (16.88)	22 (14.97)	16 (10.32)	106 (13.86)
41-50	27 (16.56)	29 (19.86)	16 (10.39)	14 (9.52)	23 (14.84)	109 (14.25)
51-Above	6 (3.68)	5 (3.42)	4 (2.60)	3 (2.04)	4 (2.58)	22 (2.88)
Total	163 (100.00)	146 (100.00)	154 (100.00)	147 (100.00)	155 (100.00)	765 (100.00)

The library users are categorized into four types depends on their age, and so collected information was tabulated and presented in Table 4. It is observed from the table that most of the users 528 (69.02%) are between the age group of 21-30, naturally this group belongs to Post Graduate Students and Research Scholars. Further it is analyzed that 106 (13.86%) were under the age group of 31-40, followed by 109 (14.25) are in 41-50 age group and 22 (2.88%) are following in 51-above age group. This clearly shows that majority of the users are students.

User Education Programme

Books and other library materials play vital role in supporting teaching, research and extension activities of a university, which goes a long way in supplementing classroom learning. They widen and deepen the knowledge base and provide an

intellectual stimulation. Ability to locate, to have an access and use the library materials is considered as an important requisite both for the university and the life long learning process of students.

The aim of user education is to make the user aware of different types of information resources available in the library, and to educate them to develop skills to search for information on their own. It is important to take steps to improve the information consciousness of users and their ability to make the best use of library resources. User education may be defined as a process of making the library users conscious of the tremendous value of information and to develop an interest amongst the users to seek information as and when they require it. A user education helps in encouraging the users to learn and use techniques by which they can specify their needs and acquire, evaluate organize and communicate information. Information is now channeled through a variety of media and it is necessary for a librarian to prepare students and scholars for a continuing process of self-education to handle information and the various channels.

Opinion about the User Education Programme by Post Graduate Students

Table 5. Opinion about the User Education Programme by Post Graduate Students

User	Option	UASB	ANGRAUH	TNAUC	KAUT	UASD	Total
Education Programme		N=94	N=84	N=89	N=85	N=92	N=444
Library provides UEP	Yes	94 (100.00)	84 (100.00)	89 (100.00)	85 (100.00)	92 (100.00)	444 (100.00)
	No	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)
Helped to make best use of Library Facilities	Yes	89 (94.68)	72 (85.71)	82 (92.13)	75 (88.24)	78 (84.78)	396 (89.19)
	No	5 (5.32)	12 (14.29)	7 (7.87)	10 (11.76)	14 (15.22)	48 (10.81)

Opinion about User Education Programmes by the Post Graduate Students of agricultural university libraries under the study have presented in Table 5. It is observed from the table that all the Post Graduate Students under the study, have expressed that the library provides user education programmes in the library. Majority of the Post Graduate Students 396 (89.19%) have reported that user education helped them to make best use of library facilities and services.

Opinion about the User Education Programme by Research Scholars

Table 6. Opinion about the User Education Programme by Research Scholars

User	Option	UASB	ANGRAUH	TNAUC	KAUT	UASD	Total
------	--------	------	---------	-------	------	------	-------

Education Programme		N=34	N=30	N=33	N=32	N=32	N=161
Library provides UEP	Yes	34 (100.00)	30 (100.00)	33 (100.00)	32 (100.00)	32 (100.00)	161 (100.00)
	No	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)
Helped to make best use of Library Facilities	Yes	29 (85.29)	26 (86.67)	31 (93.94)	26 (81.25)	28 (87.50)	140 (86.96)
	No	5 (14.71)	4 (13.33)	2 (6.06)	6 (18.75)	4 (12.50)	21 (13.04)

Table 6 presents the data pertaining to the opinion about the user education by the Research Scholars of agricultural university libraries under the study. It is observed from the table that all the respondents 161 (100%) under the study have reported that library is providing user education programmes. Further it is observed from the table that most of the Research Scholars 140 (86.96%) have expressed that the user education is helping them to make best use of library resources and services.

Opinion about the User Education Programme by Faculty Members

Table 7. Opinion about the User Education Programme by Faculty Members

User Education Programme	Option	UASB	ANGRAUH	TNAUC	KAUT	UASD	Total
		N=35	N=32	N=32	N=30	N=31	N=160
Library provides UEP	Yes	35 (100.00)	32 (100.00)	32 (100.00)	30 (100.00)	31 (100.00)	160 (100.00)
	No	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)
Helped to make best use of Library Facilities	Yes	28 (80.00)	29 (90.63)	31 (96.88)	27 (90.00)	29 (93.55)	144 (90.00)
	No	7 (20.00)	3 (9.38)	1 (3.13)	3 (10.00)	2 (6.45)	16 (10.00)

The opinion about the user education by the Faculty Members of the agricultural university libraries under the study is presented in the Table 7. It is very clear from the table that again all the Faculty Members 160 (100%) have reported that the library is providing user education programmes. Further it is observed from the

table that most of the Faculty Members 144 (90.00%) have expressed that the user education is helping them to make best use of the library resources and services effectively and efficiently.

Frequency of Conducting User Education Programme

Table 8. Frequency of Conducting User Education Programme

User Education Programme	Users Category	UASB	ANGRAUH	TNAUC	KAUT	UASD	Total
Always	PGS	12 (12.77)	2 (2.38)	10 (11.24)	6 (7.06)	12 (13.04)	42 (9.46)
	RS	7 (20.59)	6 (20.00)	9 (27.27)	7 (21.88)	5 (15.63)	34 (21.12)
	FM	5 (14.29)	2 (6.25)	1 (3.13)	7 (23.33)	3 (9.68)	18 (11.25)
When Requested	PGS	11 (11.70)	3 (3.57)	39 (43.82)	4 (4.71)	17 (18.48)	74 (16.67)
	RS	2 (5.88)	4 (13.33)	6 (18.18)	4 (12.50)	7 (21.88)	23 (14.29)
	FM	11 (31.43)	4 (12.50)	1 (3.13)	10 (33.33)	9 (29.03)	35 (21.88)
Each Term	PGS	35 (37.23)	21 (25.00)	12 (13.48)	17 (20.00)	33 (35.87)	118 (26.58)
	RS	3 (8.82)	9 (30.00)	8 (24.24)	4 (12.50)	4 (12.50)	28 (17.39)
	FM	6 (17.14)	14 (43.75)	4 (12.50)	4 (13.33)	3 (9.68)	31 (19.38)
Annually	PGS	36 (38.30)	58 (69.05)	28 (31.46)	58 (68.24)	30 (32.61)	210 (47.30)
	RS	22 (64.71)	11 (36.67)	10 (30.30)	17 (53.13)	16 (50.00)	76 (47.20)
	FM	13	12	26	9	16	76

		(37.14)	(37.50)	(81.25)	(30.00)	(51.61)	(47.50)
--	--	---------	---------	---------	---------	---------	---------

Table 8 indicates that 42 (9.46%) Post Graduate Students, 34 (21.12%) Research Scholars and 18 (11.25%) Faculty Members have reported that always the library staff is educating the users to make use of library resources and services. 74 (16.67%) Post Graduate Students, 23 (14.29%) Research Scholars and 35 (21.58%), Faculty Members have expressed that library personal will educate the users on how to make use of library resources and services. 118 (26.58%) Post Graduate Students, 28 (17.39%) Research Scholars and 31 (19.38%) Faculty Members have reported that the user education is conducted in the beginning of each term. Majority of the Post Graduate Students 210 (47.30%) Research Scholars 76 (47.20%) and Faculty Members 76 (47.50) have expressed that annually that is beginning of the academic year library is offering the user education to the users.

Conducting the User Education Programme

Table 9. Conducting the User Education Programme

User Education Programme	Users Category	UASB	ANGRAUH	TNAUC	KAUT	UASD	Total
Librarian	PGS	36 (38.30)	38 (45.24)	32 (35.96)	29 (34.12)	47 (51.09)	182 (40.99)
	RS	16 (47.06)	17 (56.67)	16 (48.48)	22 (68.75)	12 (37.50)	83 (51.55)
	FM	21 (60.00)	10 (31.25)	8 (25.00)	13 (43.33)	10 (32.26)	62 (38.75)
Deputy Librarian	PGS	31 (32.98)	24 (28.57)	25 (28.09)	31 (36.47)	20 (21.74)	131 (29.50)
	RS	7 (20.59)	7 (23.33)	10 (30.30)	4 (12.50)	12 (37.50)	40 (24.84)
	FM	8 (22.86)	11 (34.38)	14 (43.75)	9 (30.00)	9 (29.03)	51 (31.88)
Asst Librarian	PGS	27 (28.72)	22 (26.19)	32 (35.96)	25 (29.41)	25 (27.17)	131 (29.50)
	RS	11 (32.35)	6 (20.00)	7 (21.21)	6 (18.75)	8 (25.00)	38 (23.60)
	FM	6	11	10	8	12	47

Guided Tour	PGS	24 (25.53)	15 (17.86)	29 (32.58)	10 (11.76)	19 (20.65)	97 (21.85)
	RS	5 (14.71)	9 (30.00)	9 (27.27)	6 (18.75)	8 (25.00)	37 (22.98)
	FM	9 (25.71)	7 (21.88)	1 (3.13)	2 (6.67)	2 (6.45)	21 (13.13)
Printed Guides/ instruction	PGS	3 (3.19)	9 (10.71)	7 (7.87)	28 (32.94)	31 (33.70)	78 (17.57)
	RS	10 (29.41)	1 (3.33)	1 (3.03)	7 (21.88)	5 (15.63)	24 (14.91)
	FM	1 (2.86)	3 (9.38)	8 (25.00)	9 (30.00)	11 (35.48)	32 (20.00)
Computer Assisted Instruction	PGS	0 (0.00)	1 (1.19)	1 (1.12)	1 (1.18)	1 (1.09)	4 (0.90)
	RS	0 (0.00)	0 (0.00)	0 (0.00)	4 (12.50)	0 (0.00)	4 (2.48)
	FM	0 (0.00)	0 (0.00)	0 (0.00)	1 (3.33)	6 (19.35)	7 (4.38)

Opinion about the methods of user education programme by the users of the agricultural university libraries under the study is depicted in Table 10. It is observed from the table that most of the Post Graduate Students 107 (24.10), Research Scholars 39 (24.22) and Faculty Members 41 (25.63) have reported that lecture method is used to educate the users, 92(20.72) Post Graduate Students, 34 (21.12) Research Scholars and 28 (17.50) Faculty Members have expressed that seminar method is used, where as 66 (34.86) Post Graduate Students, 23(14.29) Research Scholars and 31(19.38) Faculty Members have opined that demonstration method is used for conducting the user education on the other hand 97 (21.85) Post Graduate Students, 37(22.98) Research Scholars and 21(13.13) Faculty Members expressed that guided tour method is used. Further it is observed from the table that 78 (17.57) Post Graduate Students 24 (14.91) Research Scholars and 32 (20.00) Faculty Members have reported that printed guides were used to educate the users. Finally a very few users expressed that computer assisted instruction method is used to educate the users.

Weekly Timings allotted for User Education Programme

Table 11. Timings allotted for User Education Programme

User Education	Users	UASB	ANGRAUH	TNAUC	KAUT	UASD	Total
----------------	-------	------	---------	-------	------	------	-------

Programme	Category						
One hour	PGS	27 (28.72)	2 (2.38)	22 (24.72)	24 (28.24)	27 (29.35)	102 (22.97)
	RS	10 (29.41)	10 (33.33)	11 (33.33)	11 (34.38)	8 (25.00)	50 (31.06)
	FM	10 (28.57)	5 (15.63)	7 (21.88)	9 (30.00)	8 (25.81)	39 (24.38)
Two hour	PGS	52 (55.32)	25 (29.76)	47 (52.81)	44 (51.76)	43 (46.74)	211 (47.52)
	RS	19 (55.88)	13 (43.33)	18 (54.55)	13 (40.63)	19 (59.38)	82 (50.93)
	FM	15 (42.86)	18 (56.25)	18 (56.25)	15 (50.00)	16 (51.61)	82 (51.25)
Three hour	PGS	9 (9.57)	42 (50.00)	11 (12.36)	10 (11.76)	13 (14.13)	85 (19.14)
	RS	3 (8.82)	5 (16.67)	2 (6.06)	5 (15.63)	3 (9.38)	18 (11.18)
	FM	7 (20.00)	6 (18.75)	6 (18.75)	3 (10.00)	4 (12.90)	26 (16.25)
One day	PGS	6 (6.38)	15 (17.86)	9 (10.11)	7 (8.24)	9 (9.78)	46 (10.36)
	RS	2 (5.88)	2 (6.67)	2 (6.06)	3 (9.38)	2 (6.25)	11 (6.83)
	FM	3 (8.57)	3 (9.38)	1 (3.13)	3 (10.00)	3 (9.68)	13 (8.13)

Table 11 clearly shows that most of the Post Graduate Students 211 (47.52), Research Scholars 82 (50.95) and Faculty Members 82 (51.25) have expressed that two hours taken to complete the user education programme followed by 102 (22.97), Post Graduate Students 50 (31.06) Research Scholars and 39 (24.38) Faculty Members have reported that one hour is taken for user education, 85 (19.11) Post Graduate Students 18 (11.18) Research scholars and 26 (16.25) Faculty Members have said that three hours were taken for the user education programme and 46 (10.10) Post Graduate Students, 11(6.83) Research Scholars

and 13 (8.13) Faculty Members have expressed that one day is taken to educate the users.

Overall Satisfaction of User Education Programme

Table 12. Overall Satisfaction of User Education Programme

Overall Satisfaction	Users Category	UASB	ANGRAUH	TNAUC	KAUT	UASD	Total
Strongly Satisfied	PGS	13 (13.83)	7 (8.33)	10 (11.24)	9 (10.59)	4 (4.35)	43 (9.68)
	RS	2 (5.88)	1 (3.33)	4 (12.12)	23 (71.88)	2 (6.25)	32 (19.88)
	FM	2 (5.71)	4 (12.50)	4 (12.50)	1 (3.33)	3 (9.68)	14 (8.75)
Satisfied	PGS	58 (61.70)	53 (63.10)	56 (62.92)	50 (58.82)	67 (72.83)	284 (63.96)
	RS	21 (61.76)	26 (86.67)	20 (60.61)	3 (9.38)	18 (56.25)	88 (54.66)
	FM	25 (71.43)	20 (62.50)	19 (59.38)	26 (86.67)	22 (70.97)	112 (70.00)
Partially Satisfied	PGS	13 (13.83)	12 (14.29)	10 (11.24)	13 (15.29)	8 (8.70)	56 (12.61)
	RS	4 (11.76)	1 (3.33)	5 (15.15)	2 (6.25)	5 (15.63)	17 (10.56)
	FM	3 (8.57)	3 (9.38)	6 (18.75)	2 (6.67)	4 (12.90)	18 (11.25)
Not Satisfied	PGS	4 (4.26)	4 (4.76)	8 (8.99)	9 (10.59)	5 (5.43)	30 (6.76)
	RS	3 (8.82)	2 (6.67)	2 (6.06)	3 (9.38)	4 (12.50)	14 (8.70)
	FM	1 (2.86)	1 (3.13)	1 (3.13)	1 (3.33)	1 (3.23)	5 (3.13)

Not at all Satisfied	PGS	6 (6.38)	8 (9.52)	5 (5.62)	4 (4.71)	8 (8.70)	31 (6.98)
	RS	4 (11.76)	0 (0.00)	2 (6.06)	1 (3.13)	3 (9.38)	10 (6.21)
	FM	4 (11.43)	4 (12.50)	2 (6.25)	0 (0.00)	1 (3.23)	11 (6.88)
Chi-Square Value	41.55				0.5% Level		

The opinion of the users on overall satisfaction of user education programme is collected, tabulated and presented in Table 12. It is observed from the table that majority of the Post Graduate Students 284 (63.96), Research Scholars 88 (54.66) and Faculty Members 112 (70.00) have reported that they are satisfied with the user education programme conducted by the library personnel's, around 11% of the users are partially satisfied and very few users have reported that they are not satisfied with the user education programmes.

Testing of Hypothesis

There is a significant relationship among the opinion of the Post Graduate Students, Research Scholars and Faculty Members towards overall satisfaction of user education service.

In addition to the above discussion statistical test has been conducted using Chi-Square technique. The calculated Chi-Square value is presented in Table 12. The Chi-Square value is significant at 0.5% level of significance. The Chi-Square value and the analysis of the data depict that there is significant relationship between the different users and their overall satisfaction with the User Education Programme. Hence the above Hypothesis is accepted

Conclusion

Agricultural university libraries under the study are in the initial stage of development. Modern technologies in the libraries are now being utilized to satisfy the information need of the users. The staffs working in these libraries need training and exposure to new technologies available at national and international levels. Since India is a land of farmers, here Socio-Economic developments depend on the education of the farmers and their information level. They need information to become enlightened and rational so as to take quick and correct decisions to improve the rural life. The nature and efficiency of the information services provided by the agricultural university libraries vary from one to another, owing to the whole range of interest of the user community. However with the emergence of the computer and revolutionary changes in communication technology, it has become possible for a agricultural university libraries to provide a variety of technology based information services to the users community with a wide range of interests, which was not possible earlier. As a matter of fact all these activities and services are interdependent, interrelated and direct towards maximization of the usefulness of the agricultural university library systems.

While disseminating the library and information services to the user community the agriculture university library is able to fulfill its aims and objectives with regards to

the promotion of advanced learning and research. Extending the active library services by the university libraries to the user's community is a very fundamental factor in attaining the quality in university library service systems. It is an important function of the university library is to collect and preserve the information and then make the some accessible to the users. For effective utilization of the existing resources and services the user's needs some sought of user education. Unless we educate our users it is very difficult to reach them to a full extent, so we have to conduct user deputation programmes in regular intervals. As for as the present study is concern the users are feels satisfied with the users education programmes conducted by their respective agricultural university libraries. In spite of that the concern university library authorities have to take necessary steps to strengthen the user education preogrammes, so that users are feels more satisfied in accessing the required information in their respective libraries.

References

Singh, Neena., & Dominic, J: LIS User Education Courses (Agricultural Universities: A Case Study, In Proceedings of Responding to Users Need in Changing Information Landscapes), Jhansi, 29th Dec. 2003 to 1st Jan. 2004, *Indian Library Association*, 2004, pp. 153-163

Jaiswal, Babita: User Education: A Way to Promote the Use of Library Services, (Proceedings of Responding to Users Need in Changing Information Landscapes), Jhansi, 29th Dec. 2003 to 1st Jan. 2004, *Indian Library Association*, 2004, pp. 321-332.

Singh, R. K: User Education in University Libraries, (Proceedings of Responding to Users Need in Changing Information Landscapes), Jhansi, 29th Dec. 2003 to 1st Jan. 2004, *Indian Library Association*, 2004, pp. 368-377.

Singh, Neena: LIS User Education Courses in Agricultural Universities: An Analysis into Objectives and Reality, *Annals of Library Science Documentation Studies*, Vol. 49, No. 2, 2002, pp. 37-44.

Tadasad, P. G. and Metesheela, D: Use Pattern of Information Sources by Postgraduate Students in a University Environment: A Case Study of Gulbarga University, Gulbarga, *SRELS Journal of Information Management*, Vol. 38, No. 3, 2001, pp. 231-54.

Jas, N. K: Design of User Education Programme for a University Library: A Proposal, *Library Science with a Slant to Documentation and Information Studies*, Vol. 36, No. 4, 1999, pp. 261-268.

Kumbar, Mallinath and Biradar, B. S: User Education in University Libraries, *CALIBER*, Bhubaneshwar, 1998, pp. 31-34.

Sivaprasad Y.V and Gaddigimath, R.B: User Education Programmers for Agricultural Scientists at the NARAM, *Indian Journal of Information Library and Society*, Vol. 9, Issue 3-4, 1996, pp. 218-222.

Neelameghan, A: 'User Orientation' in Library and Information Studies Curriculum: Some Aspects with Reference to Developing Countries, *Journal of Library and Information Science*, Vol.10, No. 1, 1985, pp. 53-65.

Kannappanavar, B. U. and Swamy, H. M. Chidananda: Library and Information Services in University of agricultural Sciences in Karnataka: A Users Survey, (Proceedings of Responding to Users Need in Changing Information Landscapes), Jhansi, 29th Dec. 2003 to 1st Jan. 2004, *Indian Library Association* 2004, pp. 210-225.

Chandel, A.S: Educating Library Users in College Libraries, *Lucknow Librarian*,

Vol. 12, No. 3, 1980, pp. 103-109.

Gupta, B.M: Users Orientation Programme, *Library Herald*, Vol. 17, No. 1-4, 1975, pp. 94-104.

Johnson, E: User Education in Special Libraries, *AALDI Bulletin*, Vol. 10, 1982, pp. 16-17.

Rajgopalan, T.S: Education and Training of Information Users: An Overview, *Library Science Slant to Documentation*, Vol. 15 , No. 4,1978, pp. 159-166.

Rama, T., User Education at Post-Graduate Level: What Students Need? *AALDI Bulletin*, Vol. 10, 1982, pp. 6-7.

Vishwanathan, C.G: Library Use Instruction with Special Reference to Medical Faculty and Students, *Lucknow Librarian*, Vol. 12, No. 2, 1980, pp. 45-52.

Wood, D. N: User Studies: A Review of the Literature from 1966-1970, *ASLIB Proceedings*, Vol. 23, No. 1, 1971, pp. 11-23.