

## Status of Services in Agricultural Libraries: Special Reference to Maharashtra State

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### **Abstract**

*This study attempt to examine the Library Services provided to the users in Agricultural College libraries affiliated to Mahatma Phule Krishi Vidyapeeth, Rahuri. In Library services it is focus on Manual Library Services, Computerized Library Services, ICT Based Library Services and ad on services. For the present study there were 40 colleges selected. Out forty 6 are Government Colleges and 34 Self financed Colleges. From this study it was found that majority of the libraries don't have necessary infrastructure facilities to provide ICT Based Services for their users.*

**Keywords:** *Library Services, Manual Services, ICT Based Services, ad on Services*

### **Introduction**

User satisfaction of library services has become an imperative concern in recent times. There is no doubt that satisfaction of library services influences the degree in which the services are used and it has been found to be an important factor that affects the use or non-use of library services . The dawn of 21st century witnessed the digital revolution and gained an extraordinary significance as an indispensable tool in pursuit of knowledge and information. The Internet has remarkably come up as the most powerful medium of storage and retrieval of information needed for various purposes. In the changing scenario, the academic institutions have been adopting many novel technologies for fulfilling their commitments and needs. The concept of 'digital library' or an 'electronic library' has got sudden importance not only in the academic scenario but also in the private sectors and government organizations. In today's rapid changing world, information needs of learners and knowledge seekers are met through a plethora of sources. The digital resources available in a library play a prominent role in facilitating access to required information to the users in an easy and expeditious manner by using various types of library services i.e Manual Services, Computerized Services as well as ICT Based Services. (Kalbande, 2015)

### **Objectives of the Study**

- To identify the ICT based Services Provide to users in Agriculture College Libraries.
- To analyze the Manual services Services Provide to users in Agriculture College Libraries.
- To assess the Comprised Services Services Provide to users.

### **Hypothesis**

- There is a significant difference in manual library services among the libraries of 'constituents ', and 'self-financing' institutions.
- That there is a significant difference in computerized library services among the libraries of 'constituents ', and 'self-financing' institutions.
- That there is a significant difference in ICT Based library services among the libraries of 'constituents ', and 'self-financing' institutions.
- That there is a significant difference in Ad-On-library services among the libraries of 'constituents ', and 'self-financing' institutions.

### **Scope And Limitations**

The population of the study mainly comprised 40 Affiliated and Constituents Agricultural Colleges of Mahatma Phule Krishi Vidyapeeth, Rahuri, which have responded to the questionnaire sent.

**"Constituent Agriculture College"** means a college which is under the direct management of an university, whether located at headquarter or elsewhere in the university jurisdiction of MPKV, Rahuri. (MCAER, 2011).

**"Affiliated Agricultural College on permanently non-grant basis "**means, a college sanctioned by the state council and affiliated to an university which shall not be entitled for any kind of grant in aid from the State Government (hereinafter) to referred as the affiliated college (NG).(MCAER, 2011).

Hence Affiliated Agricultural College on permanently non-grant basis referred as a Self Financed Colleges for the Present study.

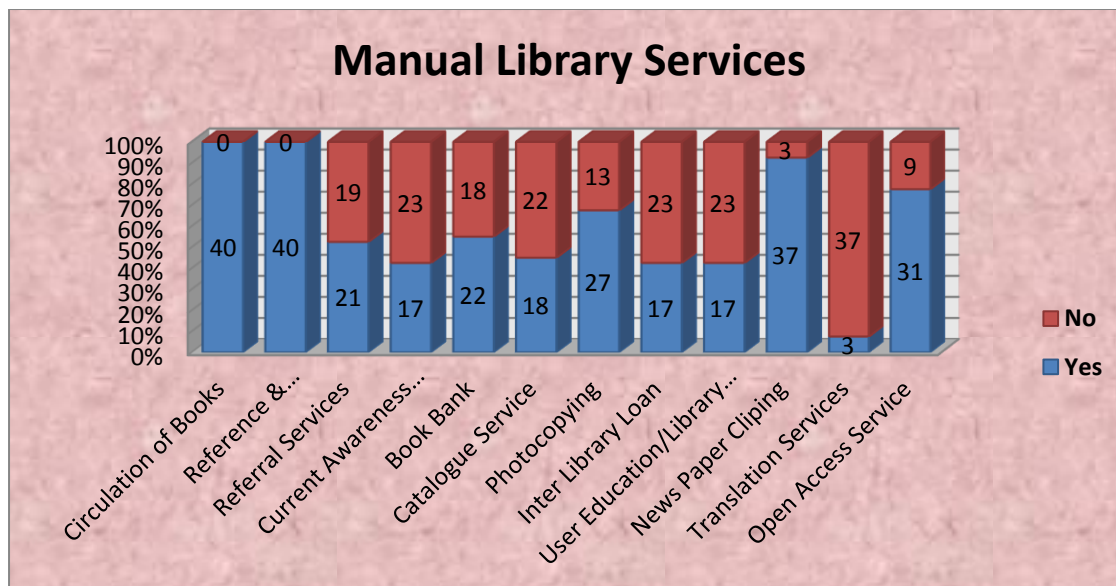
### **Research Methodology**

Present study was done with the help of survey method. "The survey method is one of the most effective and sensitive instruments of research ...survey research can produce much needed knowledge." (Kasyap, 1969).

### **Data Analysis**

**Table No. 6.1 Manual Library Services**

Sr. No.	Manual Services	Yes	No
1	Circulation of Books	40 (100)	0(0.0)
2	Reference & Information Services	40 (100)	0(0.0)
3	Referral Services	21 (52.5)	19 (47.5)
4	Current Awareness Services	17 (42.5)	23(57.5)
5	Book Bank	22 (55)	18(45)
6	Catalogue Service	18(45)	22(55)
7	Photocopying	27(67.5)	13(32.5)
8	Inter Library Loan	17(42.5)	23(57.5)
9	User Education/Library Orientation/ Library Literacy	17(42.5)	23(57.5)
10	News Paper Clipping	37(92.5)	3(7.5)
11	Translation Services	3(7.5)	37(92.5)
12	Open Access Service	31(77.5)	9(22.5)



**Fig. No. 1 Manual Library Services**

The table 6.1 and Fig. 1 shows the Manual Library Services provide by the libraries to the users and It is reveals that out of the total 40 libraries all 40 (100%) libraries have provided circulation of books and reference and information service, followed by 27 (67.5%) provide the Photocopy Service, 21 (52.5%) libraries have provided Referral services and 19 (47.5%) libraries have not

provided the referral service to the users, However only 3 (7.5%) libraries have provided Translation service and 37 (92.5%) libraries have not provided.

**Table 6.1.1 Manual Library Services Vs Categories of the Colleges**

Sr. No	Manual Services	Constituents Colleges (n=6)		Self-Financed Colleges (n=34)		Chi. Sq.	P-Value
		Yes	No	Yes	No		
1	Circulation of Books	6(100.00)	0(0.00)	34(100.00)	0(0.00)	11.144	0.001
2	Reference & Information Services	6(100.00)	0(0.00)	34(100.00)	0(0.00)		
3	Referral Services	5(83.33)	1(16.67)	16(47.06)	18(52.94)		
4	Current Awareness Services	5(83.33)	1(16.67)	12(35.29)	22(64.71)		
5	Book Bank	4(66.67)	2(33.33)	18(52.94)	16(47.06)		
6	Catalogue Service	5(83.33)	1(16.67)	13(38.24)	21(61.76)		
7	Photocopying	6(100.00)	0(0.00)	21(61.76)	13(38.24)		
8	Inter Library Loan	4(66.67)	2(33.33)	13(38.24)	21(61.76)		
9	User Education/Library Orientation/ Library Literacy	5(83.33)	1(16.67)	12(35.29)	22(64.71)		
10	News Paper Clipping	6(100.00)	0(0.00)	31(91.18)	3(8.82)		
11	Translation Services	1(16.67)	5(83.33)	2(5.88)	32(94.12)		
12	Open Access Service	4(66.67)	2(33.33)	27(79.41)	7(20.59)		

**Note:-Chi-Sq = 11.144, DF = 1, P-Value = 0.001**

The table 6.1.1 shows the Library Services Vs Categories of the Colleges. It is observed that out of the total 6 Constituents college libraries All 6 (100%) libraries have provided circulation of books, reference and information service and Newspaper Clipping service, followed by 5 (83.33%) libraries have provided Referral services, Catalogue Service and User Education/Library Orientation/ Library Literacy, 4 (66.67%) libraries provide the Book bank, Interlibrary Loan and Open Access services to the users only 1 (16.67%) library provide the Translation service and 5 (83.33%) libraries don't provide the manual translation service to the users.

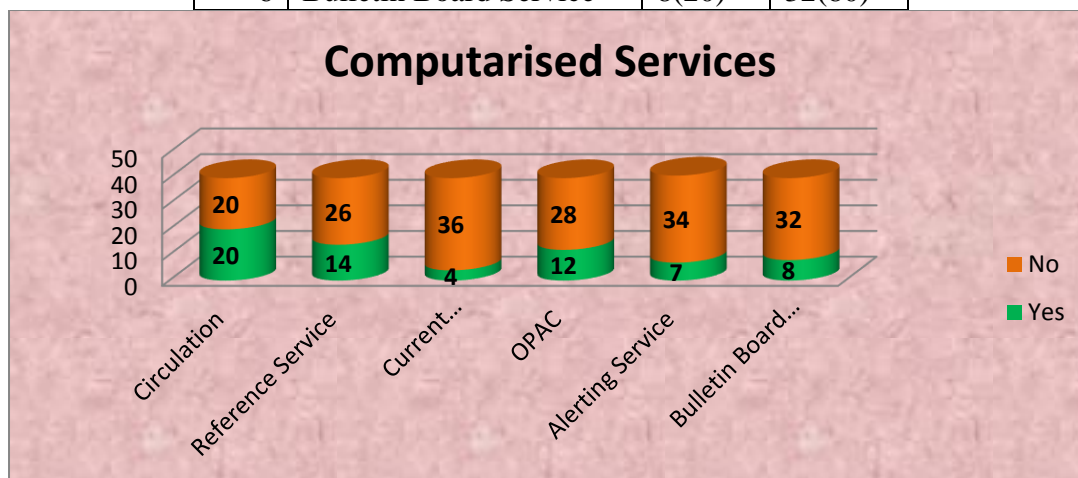
It is also observed that the out of the total 34 Self financed libraries all 34 (100%) libraries have provided circulation of books, reference and information service, However only 2 (5.88%)

libraries have provided Translation service and 32 (94.11%) libraries have not provided, 16 (47.06%) libraries provide the Referral Service, and only 12 (35.29%) Libraries provide CAS and User Education/Information Literary services.

The chi-square test is also administered to test the **hypothesis No.1 that there is a significant difference in manual library services among the libraries of ‘constituents’, and ‘self-financing’ institutions.** Level of significance ( $\alpha$ ) = 0.05, P-Value = 0.001 is less than level of significance. Hence the hypothesis is Valid.

**Table No. 6.2 Computerized Services**

Sr. No	Computerized Services	Yes	No
1	Circulation	20 (50)	20 (50)
2	Reference Service	14(35)	26(65)
3	Current Awareness Service	4(10)	36(90)
4	OPAC	12(30)	28(70)
5	Alerting Service	7(17.5)	33(82.5)
6	Bulletin Board Service	8(20)	32(80)



**Fig. No. 2 Computerized Services**

The table 6.2 and graph 2 shows the computerized services. It reveals that out of the total 40 libraries 20(50%) libraries have provided circulation through computerized and 20 (50%) libraries are not provided this service through computer, followed by 14 (35%) libraries have provided Referral services and 26 (65%) libraries are not provided this service, However only 7 (17.5%) libraries have provided Alerting service and 33 (82.5%) libraries have not provided this service to the users through computerization.

**Table No. 6.2.1 Computerized Services VS Categories of the Colleges**

Sr. No	Computerized Services	Constituents Colleges (n=6)		Self-Financed Colleges (n=34)		Chi-Sq.	P-Value
		Yes	No	Yes	No		
1	Circulation	6(100)	0(0)	14(41.18)	20(58.82)	52.339	0.000
2	Reference Service	3(50)	3(50)	11(32.35)	23(67.65)		
3	Current Awareness Service	4(66.67)	2(33.33)	0(0)	34(100)		
4	OPAC	6(100)	0(0)	6(17.65)	28(82.35)		
5	Alerting Service	4(66.67)	2(33.33)	3(8.82)	31(91.18)		
6	Bulletin Board Service	5(83.33)	1(16.67)	3(8.82)	31(91.18)		

**Note:-Chi-Sq = 52.339, DF = 1, P-Value = 0.000**

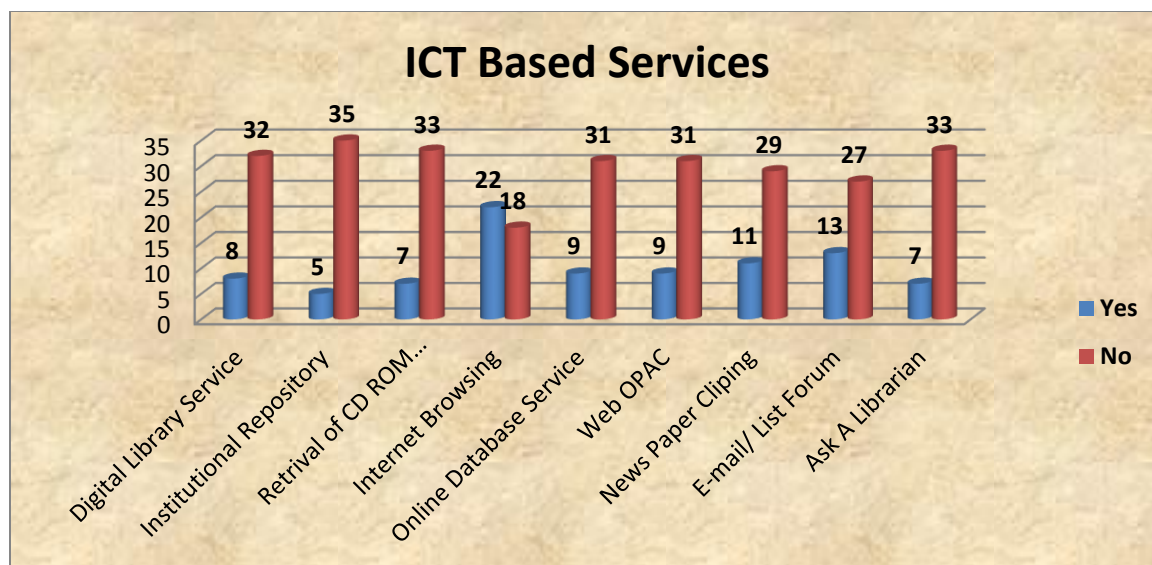
The table 6.2.1 shows the Computerized Services VS Categories of the Colleges. It is found that out of the total 6 Constituents college libraries all 6 (100%) libraries have provided circulation and OPAC service through computers, followed by 5 (83.33%) libraries have provided Bulletin Board Service and 4 (66.67%) provide Current Awareness Service and alerting service to the users.

It is also observed that the out of 34 libraries 14 (41.18%) libraries have provided circulation of books and 20 (58.82%) libraries have not provided, However only 3 (8.82%) libraries have provided Alerting Service and Bulletin Board service and 31 (91.18%) libraries have not provided.

The chi-square test is also administered to test the **hypothesis No. 2 that there is a significant difference in computerized library services among the libraries of ‘constituents’, and ‘self-financing’ institutions. Level of significance ( $\alpha$ ) = 0.05, P-Value = 0.000 is less than level of significance. Hence the hypothesis is Valid.**

**Table No. 6.3 ICT Based Services**

Sr. No	ICT Based Services	Yes	No
1	Digital Library Service	8(20)	32(80)
2	Institutional Repository	5(12.5)	35(87.5)
3	Retrieval of CD ROM Databases	7(17.5)	33(82.5)
4	Internet Browsing	22(55)	18(45)
5	Online Database Service	9(22.5)	31(77.5)
6	Web OPAC	9(22.5)	31(77.5)
7	News Paper Clipping	11(27.5)	29(72.5)
8	E-mail/ List Forum	13(32.5)	27(67.5)
9	Ask A Librarian	7(17.5)	33(82.5)



**Fig. No. 3 ICT Based Services**

The table 6.3 and graph 3 shows the ICT Based services. It reveals that out of the total 40 libraries 22 (55%) libraries have provided Internet Browsing service and 18 (45%) libraries have not provided this service to the users, followed by 11 (27.5%) libraries have provided Newspaper Clipping service. It also shows that 13 (32.5%) libraries have provided E-mail/ List Forum and 27 (67.5%) libraries are not provided this service, however only 7 (17.5%) libraries have provided Retrieval of CD ROM Databases service and 33 (82.5%) libraries have not provided this service to the users.

**Table No. 6.3.1 ICT Based Services VS Categories of the Colleges**

Sr. No	ICT Based Services	Constituents Colleges (n=6)		Self-Financed Colleges (n=34)		Chi-Sq.	P-Value
		Yes	No	Yes	No		
1	Digital Library Service	6(100)	0(0)	2(5.88)	32(94.12)	92.705	0.000
2	Institutional Repository	4(66.67)	2(33.33)	1(2.94)	33(97.06)		
3	Retrieval of CD ROM Databases	4(66.67)	2(33.33)	3(8.82)	31(91.18)		
4	Internet Browsing	6(100)	0(0)	16(47.06)	18(52.94)		
5	Online Database Service	4(66.67)	2(33.33)	5(14.71)	29(85.29)		
6	Web OPAC	5(83.33)	1(16.67)	4(11.76)	30(88.24)		
7	News Paper Clipping	4(66.67)	2(33.33)	7(20.59)	27(79.41)		
8	E-mail/ List Forum	5(83.33)	1(16.67)	8(23.53)	26(76.47)		
9	Ask A Librarian	4(66.67)	2(33.33)	3(8.82)	31(91.18)		

**Note:-Chi-Sq = 92.705, DF = 1, P-Value = 0.000**

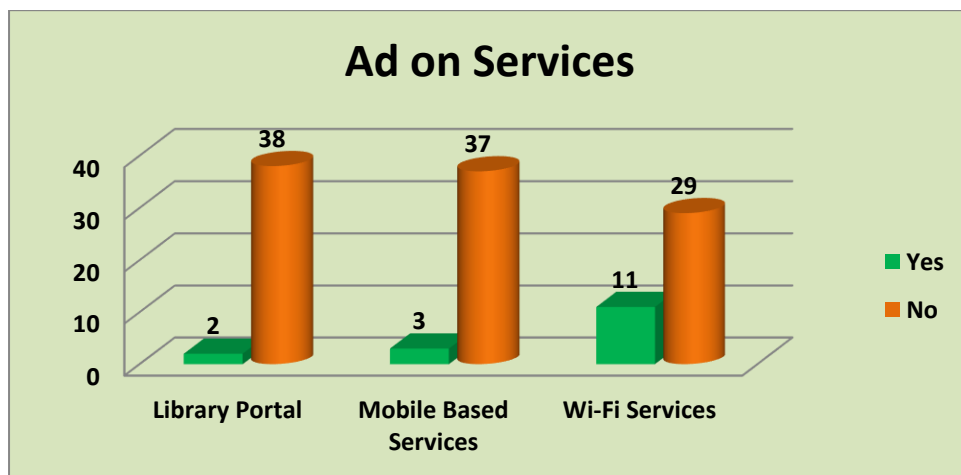
The table 6.3.1 shows the ICT Based Services VS Categories of the Colleges. It is found that out of all 6 constituents college libraries 6 (100%) libraries have provided Digital Library service and Internet Browsing Service, followed by 5 (83.33%) libraries have provided Web OPAC and E-mail/ List Forum, 4 (66.67%) libraries provide IR, Retrieval of CD ROM Database, News Paper Clipping and Ask A Librarian Service to the Users.

It is also observed that the out of the total 34 self Financed college libraries 2 (5.88%) libraries provide Digital Library Services, Only 1 (2.94%) library provide IR Service, 3 (8.82%) libraries provide Retrieval of CD ROM Database as well Ask A librarian Service , 16 (47.06%) libraries have provided Internet Browsing and 18 (52.94%) libraries have not provided this service,

The chi-square test is also administered to test the **hypothesis No. 3 that there is a significant difference in ICT Based library services among the libraries of ‘constituents’, and ‘self-financing’ institutions. Level of significance ( $\alpha$ ) = 0.05, P-Value = 0.000 is less than level of significance. Hence the hypothesis is Valid.**

**Table No. 6.4 Ad on Services**

Sr. No	Ad On Services	Yes	No
1	Library Portal	2(5)	38(95)
2	Mobile Based Services	3(7.5)	37(92.5)
3	Wi-Fi Services	11(27.5)	29(72.5)



**Fig. No. 4 Ad on Services**

In the table 6.4 and graph 4 seen the Ad on services provide to the users. Out of the total 40 libraries 11 (27.5%) libraries have provided Wi-Fi Services and 29 (72.5%) libraries have not provided this service, followed by 3 (7.5%) libraries have provided Mobile Based service and 37 (92.5%) libraries have not provided this service, however only 2 (5%) libraries have Library Portal service and 38(95%) libraries don't provided mobile based services to the users.

**Table No. 6.4.1 Ad on Services VS Categories of the Colleges**

Sr. No	Ad On Services	Constituents Colleges (n=6)		Self-Financed Colleges (n=34)		Chi-Sq.	P-Value
		Yes	No	Yes	No		
1	Library Portal	2(33.33)	4(66.67)	0(0)	34(100)	22.362	0.000
2	Mobile Based Services	3(50.00)	3(50.00)	0(0)	34(100)		
3	Wi-Fi Services	4(66.67)	2(33.33)	8(23.53)	26(76.46)		

**Note:-Chi-Sq = 22.362, DF = 1, P-Value = 0.000**

The table 6.4.1 found that the Ad -On-Services VS Categories of the Colleges. Out of 6 Constituents college libraries 4 (66.67%) libraries have provided Wi-Fi services and 2 (33.33%) libraries have not provided this service, followed by 3 (50.00%) libraries have provided Mobile Based Service, while only 2 (33.33%) libraries have provided Library Portal service and 4 (66.67%) libraries have not provided this service to the users.

It is also observed that the out of the total 34 Private College libraries 0 (0%) libraries not provide Library portal as well as Mobile based services, However only 8 (23.33%) libraries have provided Wi-Fi Service to the users.

The chi-square test is also administered to test the **hypothesis No. 4 that there is a significant difference in Ad-On-library services among the libraries of 'constituents ', and 'self-financing' institutions. Level of significance ( $\alpha$ ) = 0.05, P-Value = 0.000 is less than level of significance. Hence the hypothesis is Valid.**

### Conclusion

Manual Library Services Vs Catagories of the Colleges. It is observed that out of the total 6 Constituents college libraries All 6 (100%) libraries have provided circulation of books, reference and information service and Newspaper Clipping service, followed by 5 (83.33%)

libraries have provided Referral services, Catalogue Service and User Education/Library Orientation/ Library Literacy, It is also observed that the out of the total 34 Self financed libraries all 34 (100%) libraries have provided circulation of books, reference and information service, However only 2 (5.88%) libraries have provided Translation service. As per the chi-square test hypothesis No. 1 that there is a significant difference in manual library services among the libraries of 'constituents', and 'self-financing' institutions. Level of significance ( $\alpha$ ) = 0.05, P-Value = 0.001 is less than level of significance. Hence the hypothesis is Valid. (Table 6.1.1)

Computerized Services VS Categories of the Colleges. It is found that out of the total 6 Constituents college libraries all 6 (100%) libraries have provided circulation and OPAC service through computers, followed by 5 (83.33%) libraries have provided Bulletin Board Service and 4 (66.67%) provide Current Awareness Service and alerting service to the users. It is also observed that the out of 34 libraries 14 (41.18%) libraries have provided circulation of books and 20 (58.82%) libraries have not provided, However only 3 (8.82%) libraries have provided Alerting Service and Bulletin Board service and 31 (91.18%) libraries have not provided. As per the chi-square test hypothesis No.2 that there is a significant difference in computerized library services among the libraries of 'constituents', and 'self-financing' institutions. Level of significance ( $\alpha$ ) = 0.05, P-Value = 0.000 is less than level of significance. Hence the hypothesis is Valid. (Table 6.2.1)

ICT Based Services VS Categories of the Colleges. It is found that out of all 6 constituents college libraries 6 (100%) libraries have provided Digital Library service and Internet Browsing Service, followed by 5 (83.33%) libraries have provided Web OPAC and E-mail/ List Forum, 4 (66.67%) libraries provide IR, Retrieval of CD ROM Database, News Paper Clipping and Ask A Librarian Service to the Users. It is also observed that the out of the total 34 self Financed college libraries 2 (5.88%) libraries provide Digital Library Services, Only 1 (2.94%) library provide IR Service, 3 (8.82%) libraries provide Retrieval of CD ROM Database as well Ask A librarian Service, 16 (47.06%) libraries have provided Internet Browsing and 18 (52.94%) libraries have not provided this service, The chi-square test is also administered to test the hypothesis No.3 that there is a significant difference in ICT

Based library services among the libraries of 'constituents', and 'self-financing' institutions. Level of significance ( $\alpha$ ) = 0.05, P-Value = 0.000 is less than level of significance. Hence the hypothesis is Valid. (Table 6.3.1)

Out of the total 40 libraries 11 (27.5%) libraries have provided Wi-Fi Services and 29 (72.5%) libraries have not provided this service, followed by 3 (7.5%) libraries have provided Mobile Based service and 37 (92.5%) libraries have not provided this service, however only 2 (5%) libraries have Library Portal service and 38(95%) libraries don't provided mobile based services to the users. As per the chi-square test is also administered that the hypothesis No. 4 that there is a significant difference in Ad-On-library services among the libraries of 'constituents', and 'self-financing' institutions. Level of significance ( $\alpha$ ) = 0.05, P-Value = 0.000 is less than level of significance. Hence the hypothesis is Valid.

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