

Full Length Research

Use of Information Resources and Services by the Students of First Grade Colleges Affiliated to Tumkur University, Tumkur: A Comparative Study

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The present study was carried out at First Grade Colleges affiliated Tumkur University, Tumkur. Such as Arts, Commerce and Science College, Tumkur. The studies aim to examine the Information resources and services, facilities, Use of Internet, factors affecting the optimum utilization of N-List services, place of access, purpose of use, types of services, level of satisfaction, training/ orientation program and preferred external storage medium for storing information resources downloaded via N-List Services. A stratified random sampling method was used. For this purpose the researchers prepared a well structured questionnaire, observation and interview schedule as a tool for data collection and same has been distributed, collected, analyzed and presented with useful percentage analysis and suitable table for presentation of data. Used SPSS software (Statistical Package for Social Sciences) data analysis and interpretation. The article summarizes the results highlighting the major findings and suggestions.

Keywords: Information Resources, Services, Use of Internet, N-LIST Services, First Grade Colleges, Tumkur University.

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INTRODUCTION

The quality of education is greatly linked with libraries and the information centers which decide the quality of teaching and learning process in an institution. Library is a location to collect, organizes, disseminate and preserve information. The sources of information i.e. books,

reports, proceedings, research reports, magazines, journals and non-book materials are the prime collection of academic library. In the words of (*Dongerkey, 1973*) "A well stocked and up-to-date library is a sinequa non for every modern educational institution". Every educational

work without libraries becomes meaningless and also every educational institution takes its prestige from the richness of its libraries.

A college is considered as an academic institution of higher learning and many offer Three-Year Degree courses namely B.A., B.Com. B.Sc., BBM, BCA etc. In colleges, library occupies a prominent position and it is an important and integral part of the teaching and research programmes. It is not merely a depository of books, but an active workshop instrument in the production of original thinking. The aims of college education and college libraries are inter-related. It extends opportunities for self-education to the deserving and enthusiastic users. These libraries develop in users a sense of responsibility in the pursuit of knowledge and stimulate the users to obtain, evaluate and recognize knowledge and to familiarize him with the trends of knowledge for further education and learning a new discipline.

Need for the study

The effective use of the available information resources and the services will ensure the growth of intelligence and professionalism in the information seekers. In order to serve the faculty and students for academic work efficiently and effectively it is necessary to ascertain their use of information resources and services in print and electronic environment. The study mainly focus on different aspects of libraries particularly information resources and services in First Grade College libraries, infrastructure facilities, users satisfaction, difficulties in accessing and utilizing information resources and this study required not only to identify the lacuna but also to find solutions to improve the quality of library resources and services in First Grade Colleges affiliated to Tumkur University, Tumkur.

OBJECTIVES OF THE STUDY

The main objectives of the study

1. To investigate the various types of information resources available in the libraries of First Grade Colleges affiliated to Tumkur University, Tumkur.
2. To evaluate the different type of services offered in the library for teaching and learning activities.
3. To investigate the availability of Internet facility in the library of First Grade Colleges

SCOPE AND LIMITATIONS OF THE STUDY

The present study attempts to know the present conditions of library facilities resources, and services and

status of library services, resources, etc. in First Grade Colleges affiliated to Tumkur University. The three colleges are namely, Arts, Commerce and Science College and Constituent colleges, Government Colleges, Aided-colleges and Un-aided colleges has been considered for the study. Further, while studying user requirements, the scope of the study is confined to students of First Grade Colleges, after completed the 10+2 educations majority of students get join the First Grade Colleges hence they are prime movers of an educational institution.

METHODOLOGY

The present study aims to examine the Use of Information Resources and services in First Grade College Students affiliated to Tumkur University. The questionnaire method was adopted for the present study to collect the necessary data, keeping in view the objectives of the study. Total 2018 questionnaires were distributed to the first Grade College students affiliated to Tumkur University and 1706 filled in questionnaires were collected back. The rate of response of 84.54 %. The collected data has been analyzed using appropriate statistical techniques with SPSS such as chi-square test, and corresponding analysis.

REVIEW OF LITERATURE

Belkin (1980), Dervin (1983), Borgmann and Meadow (1989), Borgmann and Meadow (1989), carried out a study in order to establish a pattern of information seeking behaviour among academic researchers. Use of electronic information resources. Renekar (1992), Tillman and Ladner (1993); Cromer and Johnson (1994); Adams and Bonk (1995); Bane and Milheim (1995); Abels et al. (1996) and Liebscher et al. (1997) have richly contributed to the subject. Kumbar (2000), Ajala (1997), Satyanarayana (1993), Kapoor (1984), Studied the method of stock verification for assessing the loss of books in 17 college libraries in Shimoga city of Karnataka, India. The study reports results of a questionnaires survey used to obtain necessary data for the study and suggest several measures which include: the percentage of books to be written off, availability of reprographic facilities; and vigilance by library staff compared with other norms by UGC. Kumar and Kumbar (2013, 2014, and 2015) investigated to the e-resources in autonomous engineering college faculty members.

DATA ANALYSIS AND INTERPRETATION

The data collected by using different methods were

Table 1. College wise distribution

| Category | Questionnaire Distributed | Questionnaire Received | Percentage |
|---------------------|---------------------------|------------------------|------------|
| University Colleges | 268 | 239 | 89.18 |
| Government Colleges | 514 | 446 | 86.77 |
| Aided Colleges | 689 | 543 | 78.81 |
| Unaided Colleges | 547 | 478 | 87.39 |
| Total | 2018 | 1706 | 84.54 |

Table 2. Discipline wise distribution

| Discipline | University Colleges N=239 | Government Colleges N=446 | Aided Colleges N=543 | Un-Aided Colleges N=478 | Total N=1706 |
|------------|------------------------------|------------------------------|-------------------------|----------------------------|-----------------|
| Arts | 102(42.68) | 184(41.26) | 223(41.07) | 189(39.54) | 698(40.91) |
| Science | 61(25.52) | 113(25.34) | 122(22.47) | 107(22.38) | 403(23.62) |
| Commerce | 76(31.80) | 149(33.41) | 198(36.46) | 182(38.08) | 605(35.46) |

Table 3. Gender wise distribution

| Gender | University Colleges N=239 | Government Colleges N=446 | Aided Colleges N=543 | Un-Aided Colleges N=478 | Total N=1706 |
|--------|------------------------------|------------------------------|-------------------------|----------------------------|-----------------|
| Male | 122(51.05) | 208(46.64) | 261(48.07) | 283(59.21) | 874(51.23) |
| Female | 117(48.95) | 238(53.36) | 282(51.93) | 195(40.79) | 832(48.77) |

analyzed, interpreted and presented in the following tables.

College wise distribution

College wise distribution of the students has been summarized in the Table-1.

A total of 2018 questionnaires were distributed among the students of First Grade Colleges affiliated to Tumkur University, Tumkur of which 1706 filled-up questionnaires were received back consisting of 84.54% responses. The highest number of questionnaires have been received from University colleges 239(89.18%), followed by Un aided colleges 478 (87.39%), about Government Colleges 446(86.77%), Aided-Colleges 543(78.81%) The college wise details of the questionnaire distributed, received and number of faculty using Information Resources and Services are indicated in Table-1.

Discipline wise distribution

Discipline wise distribution of the students has been summarized in the Table-2.

Table-2 also depicts that 102(42.68%) of university

college students followed by 184(41.26%) of government college students 223(41.07%) of aided college students and 189(39.54%) un-aided college students studying with Arts', followed by 61(25.52%) of university college students followed by 113(25.34%) of government college students, 122(22.47%) of aided college students, and 107(22.38%) of un-aided college students studying with Science hence 76(31.80%) of university college students followed by 149(33.41%) of government college students, 198(36.46%) of aided college students and 182(38.08%) un-aided college students studying with Commerce.

Gender wise distribution

The Gender-Wise Distribution of the students has been summarized in the Table-3

Table -3 also described that 122(51.05%) of university college students followed by 208(46.64%) government college students about 261(48.07%) aided college students and 283(59.21%) un aided college students are 'Male', students respondents where as 117(48.95%) of university college students followed by 238(53.36%) government college students about 282(51.93%) aided

Table 4. Visit library

| Opinion | University Colleges N=239 | Government Colleges N=446 | Aided Colleges N=543 | Un-Aided Colleges N=478 | Total N=1706 |
|---------|------------------------------|------------------------------|-------------------------|----------------------------|-----------------|
| Yes | 233(97.49) | 435(97.53) | 536(98.71) | 459(96.03) | 1663(97.48) |
| No | 06(02.51) | 11(02.47) | 07(01.29) | 19(03.97) | 43(02.52) |

Note: Figures in the parentheses indicate percentage

Table 5. Frequency of visits to Library by students

| Frequency of visit | University College (N=233) | Government Colleges (N=435) | Aided Colleges (N=536) | Un-Aided Colleges (N=459) | Total (N=1663) |
|--------------------|-------------------------------|--------------------------------|---------------------------|------------------------------|-------------------|
| Everyday | 67(28.76) | 98(22.53) | 127(23.69) | 74(16.12) | 366(22.01) |
| Once in two days | 62(26.61) | 74(17.01) | 109(20.34) | 89(19.39) | 334(20.08) |
| Weekly once | 53(22.75) | 80(18.39) | 156(29.10) | 66(14.38) | 355(21.35) |
| Occasionally | 39(16.74) | 116(26.67) | 99(18.47) | 133(28.98) | 387(23.27) |
| Monthly | 12(05.15) | 67(15.40) | 45(08.40) | 97(21.13) | 221(13.29) |

X² =109.589, df=12, P=.000

college students and 195(40.79%) un aided college students are Male students respondents 'Female' students respondents

Visiting library

First Grade College students such as Constituent colleges, Government Colleges Aided Colleges and Un-Aided Colleges students visit the library has been summarized in the Table-4

The Table-4 shows that of the 1706 total students, 1663(97.48%) are respondents visiting college library and the remaining 43(02.52%) are respondents do not visiting college library

Frequency of visits to Library by students

First Grade College students such as Constituent colleges, Government Colleges Aided Colleges and Un-Aided Colleges students visit the library has been summarized in the Table-5

It is seen from the above Table-5 also described that 67(28.76%) university college students Frequency of visits to Library 'Everyday', followed by 116(26.67%) government college students Frequency of visits to Library 'Occasionally', 127(23.69%) aided college

students frequency of visits to library 'Everyday', and 133(28.98%) un-aided college students frequency of visits to library 'Occasionally'.

The X²- test conducted for d.f.at the 5% level significance shows that there is a significant relationship between frequency of visit the library by students (X²= 109.589, d.f.=12, P=.000=<.005). Hence, the research Hypothesis-12 is supported. i.e., the frequency of visit the library by students is dependent upon library.

Purpose of visit library

First Grade College students such as Constituent colleges, Government Colleges Aided Colleges and Un-Aided Colleges students visit the library has been summarized in the Table-6

Table-6 also indicates that 231(99.14%) university college students who are use 'To reading materials in our subjects', followed by 411(94.48%) government college students purpose of visit the college library to 'To read news papers and popular magazines, about 532(99.25%) aided college students visit to college library for the purpose of To read news papers and popular magazines and 396(86.27%) un-aided college students purpose of visit the college library 'to borrow books', followed by 226(97.00%) university college students visit to to read news papers and popular magazines', about

Table 6. Purpose of visit library

| Purpose of visit | University College (N=233) | Government Colleges (N=435) | Aided Colleges (N=536) | Un-Aided Colleges (N=459) | Total (N=1663) |
|---|----------------------------|-----------------------------|------------------------|---------------------------|----------------|
| To borrow books | 204(87.55) | 402(92.41) | 488(91.04) | 396(86.27) | 1490(89.60) |
| To reading materials in our subjects | 231(99.14) | 369(84.83) | 322(60.07) | 360(78.43) | 1282(77.09) |
| To read news papers and popular magazines | 226(97.00) | 411(94.48) | 532(99.25) | 418(91.07) | 1587(95.43) |
| To know the latest arrivals in the library in our subject | 168(72.10) | 152(34.94) | 263(49.07) | 322(70.15) | 905(54.42) |
| To prepare a reading list considered to be important in their subject | 141(60.52) | 138(31.72) | 129(24.07) | 124(27.02) | 532(31.99) |
| To prepare competitive exams | 152(65.24) | 116(26.67) | 303(56.53) | 206(44.88) | 777(46.72) |
| To prepare for lecture/seminars | 128(54.94) | 121(27.82) | 142(26.49) | 112(24.40) | 503(30.25) |
| To gain current and general information | 172(73.82) | 143(32.87) | 201(37.50) | 196(42.70) | 712(42.81) |
| To read journal articles pertaining to our subjects | 36(15.45) | 18(04.14) | 33(06.16) | 24(05.23) | 111(06.67) |
| To consult reference books | 196(84.12) | 187(42.99) | 307(57.28) | 283(61.66) | 973(58.51) |
| To use question papers of previous years | 188(80.69) | 321(73.79) | 365(68.10) | 304(66.23) | 1178(70.84) |
| To meet friends | 77(33.05) | 54(12.41) | 88(16.42) | 102(22.22) | 321(19.30) |
| For getting photocopies | 53(22.75) | 32(07.36) | 169(31.53) | 116(25.27) | 370(22.25) |
| Use of Internet | 144(61.80) | 103(23.68) | 297(55.41) | 132(28.76) | 676(40.65) |

Table 7. Opinion about Library Hours satisfied with rules and regulations of the library

| Opinion | University College N=233 | Government Colleges N=435 | Aided Colleges N=536 | Un-Aided Colleges N=459 | Total N=1663 |
|----------------------|--------------------------|---------------------------|----------------------|-------------------------|--------------|
| Extremely Satisfied | 55(23.61) | 86(19.77) | 81(15.11) | 43(09.37) | 265(15.94) |
| Satisfied | 42(18.03) | 109(25.06) | 132(24.63) | 87(18.95) | 370(22.25) |
| Moderately Satisfied | 51(21.89) | 66(15.17) | 126(23.51) | 134(29.19) | 377(22.67) |
| Slightly Satisfied | 36(15.45) | 72(16.55) | 101(18.84) | 89(19.39) | 298(17.92) |
| Not at all Satisfied | 49(21.03) | 102(23.45) | 96(17.91) | 106(23.09) | 353(21.23) |

$\chi^2=58.513$, $df =12$, $P=.000$

402(92.41%) government college students visit to borrow books, 488(91.04%) aided college students visit to borrow books and 396(86.27%) un-aided college students purpose of visit to the college library to borrow books.

Opinion about Library Hours satisfied with rules and regulations of the library

Opinion about Library Hours satisfied with rules and regulations of the library table has been summarized in Table-7

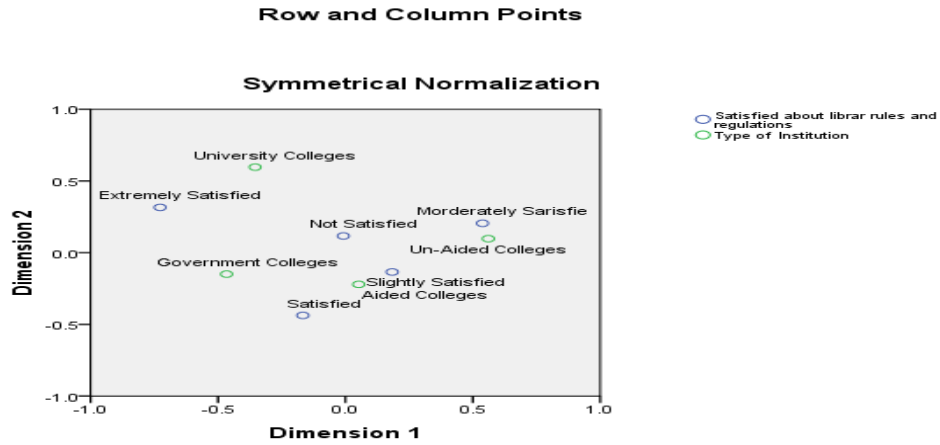


Figure 1.

Table 8. Opinion about Period of Loan Library

| Opinion | University College N=233 | Government Colleges N=435 | Aided Colleges N=536 | Un-Aided Colleges N=459 | Total N=1663 |
|--|-----------------------------|------------------------------|-------------------------|----------------------------|-----------------|
| Extremely Satisfied | 106(45.49) | 124(28.51) | 137(25.56) | 162(35.29) | 529(31.81) |
| Satisfied | 84(36.05) | 107(24.60) | 198(36.94) | 122(26.58) | 511(30.73) |
| Moderately Satisfied | 21(9.01) | 136(31.26) | 109(20.34) | 84(18.30) | 350(21.05) |
| Slightly Satisfied | 17(7.30) | 41(9.43) | 74(13.81) | 67(14.60) | 199(11.97) |
| Not at all Satisfied | 05(2.15) | 27(6.21) | 18(3.36) | 24(5.23) | 74(4.45) |
| X²=98.321, df=12, P=.000 | | | | | |

Table-7 also depicts that 55(23.61%) of University college students Library Hours satisfied with rules and regulations of the library opine that 'Extremely Satisfied', followed by 109(25.06%) government college students Library Hours satisfied with rules and regulations of the library opine that 'Satisfied', 132(24.63%) aided college students Library Hours satisfied with rules and regulations of the library opine 'Satisfied' 134(29.19%) un-aided college students Library Hours satisfied with rules and regulations of the library opine that 'Moderately Satisfied'.

The X²-test conducted for 12 d.f. at the 5% level of significance shows that there is a significant relationship between level of satisfaction regarding library hours and library rules and regulation (X²=58.513, d.f.=12, P=.000=<.005). It is clear that the level of satisfaction

regarding library hours and rules and regulation depend upon students. Figure 1

Opinion about Period of Loan Library

Opinion about Period of Loan Library satisfaction with first grade college students rating of Extremely Satisfied, Satisfied, Moderately Satisfied, Slightly Satisfied and Not at all Satisfied summarized has been Table-8

Table-8 also depicts that 106(45.49%) of University college students Opinion about Period of Loan Library opine that 'Extremely Satisfied', followed by 136(31.26%) government college students Opinion about Period of Loan Library opine that 'Moderately Satisfied', 198(36.94%) aided college students Opinion about

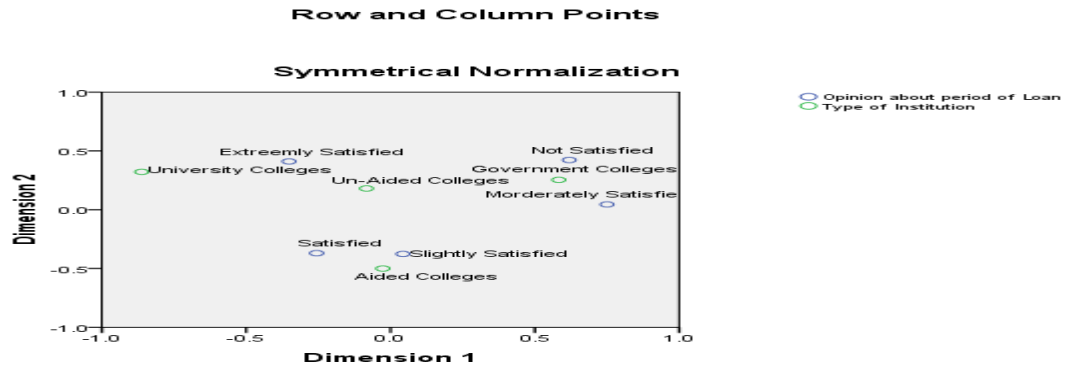


Figure 2

Table 9. Extent of satisfaction with library services

| Opinion about library services | Excellent | Very Good | Good | Average | Poor | Total |
|--|------------|------------|------------|------------|------------|-------|
| Circulation service | 355(38.55) | 228(24.76) | 202(21.93) | 96(10.42) | 40(04.34) | 921 |
| Reference service | 229(22.76) | 203(20.18) | 296(29.42) | 195(19.38) | 83(08.25) | 1006 |
| Interlibrary loan service | 45(16.92) | 91(34.21) | 63(23.68) | 18(06.77) | 49(18.42) | 266 |
| Internet Services | 197(22.64) | 347(39.89) | 161(18.51) | 93(10.69) | 72(08.28) | 870 |
| Referral services | 44(09.24) | 86(18.07) | 103(21.64) | 177(37.18) | 66(13.87) | 476 |
| Newspaper Clippings services | 388(35.69) | 354(32.57) | 201(18.49) | 91(08.37) | 53(04.88) | 1087 |
| Reservation of book services | 122(22.22) | 86(15.66) | 145(26.41) | 108(19.67) | 88(16.03) | 549 |
| Photo copy services | 296(40.60) | 153(20.99) | 106(14.54) | 95(13.03) | 79(10.84) | 729 |
| Government documents delivery service | 41(20.20) | 36(17.73) | 77(37.93) | 21(10.34) | 28(13.79) | 203 |
| Current Awareness Services | 122(12.82) | 243(25.53) | 206(21.64) | 199(20.90) | 182(19.12) | 952 |
| Selective Dissemination of Information | 117(19.50) | 126(21.00) | 198(33.00) | 106(17.67) | 53(08.83) | 600 |
| Bibliographical service | 94(24.80) | 88(23.22) | 109(28.76) | 56(14.78) | 32(08.44) | 379 |

Period of Loan Library opine 'Satisfied and 162(35.29%)un-aided college students Opinion about Period of Loan Library opine that 'Extremely Satisfied, The X^2 test conducted for 12 d.f. at the 5% level of significance shows that there is a significant relationship between level of satisfaction regarding library Period of Loan Library and rules and regulations of the library ($X^2=98.321$, d.f.=12, $P=.000<.005$) it is clear that the level of satisfaction regarding Period of Loan Library and rules and regulations of the library. Figure 2

Extent of satisfaction with library services

First Grade College libraries provided to different types of services in all discipline wise colleges such as Arts, Commerce, and Science has been summarized Table-9. As the Table-9 indicates, out of which 1663 total faculty members, 1087 students are opine that Extent of satisfaction with library services, that is Newspaper Clippings services, about 1006 students are opine that Extent of satisfaction with library services, that is

Table 10. Indicate the preferred methods for user education

| Methods | University Colleges (N=226) | Government Colleges (N=349) | Aided Colleges (N=506) | Un-Aided Colleges (N=233) | Total (N=1314) |
|----------------------------------|-----------------------------|-----------------------------|------------------------|---------------------------|----------------|
| Training programmes/ workshops | 189(83.63) | 304(87.11) | 491(97.04) | 186(79.83) | 1170(89.04) |
| Lectures methods | 76(33.63) | 143(40.97) | 306(60.47) | 127(54.51) | 652(49.62) |
| Demonstrations library tours | 154(68.14) | 203(58.17) | 339(67.00) | 76(32.62) | 772(58.75) |
| Circulation of library handbooks | 86(38.05) | 113(32.38) | 213(42.09) | 94(40.34) | 506(38.51) |

Table 11. Place of access to Internet

| Place of access | University Colleges (N=231) | Government Colleges (N=422) | Aided Colleges (N=516) | Un-Aided Colleges (N=447) | Total (N=1616) |
|-----------------|-----------------------------|-----------------------------|------------------------|---------------------------|----------------|
| Department | 26(11.26) | 19(04.50) | 54(10.47) | 14(03.13) | 113(06.99) |
| Cyber Café | 186(80.52) | 411(97.39) | 512(99.22) | 430(96.20) | 1539(95.24) |
| Computer lab | 53(22.94) | 76(18.01) | 89(17.25) | 48(10.74) | 266(16.46) |
| Residence | 162(70.13) | 298(70.62) | 368(71.32) | 241(53.91) | 1069(66.15) |
| Library | 122(52.81) | 54(12.80) | 221(42.83) | 36(08.05) | 433(26.79) |

'Reference service' followed by 952 students are opine that Extent of satisfaction with library services that is 'Current Awareness Services', 921 Circulation service, 870 Internet Services, 729 Photo copy services, 600 Selective Dissemination of Information, 549 Reservation of book services, 476 Referral services, 379 'Bibliographical service', 266 Interlibrary loan service and 203 'Government documents delivery service'

Indicate the preferred methods for user education

Preferred methods for user education conducting the first grade college libraries have been summarized Table 10. Table-10 also depicts that 189(83.63%) University Colleges, 304(87.11%) Government Colleges, 491(97.04%) Aided Colleges, 186(79.83) Un-Aided Colleges, Training programmes/workshops. Indicate the preferred methods for user education. Followed by 154(68.14%) university colleges 203(58.17%) government colleges and 339(67.00%) aided colleges Demonstrations library tours, preferred methods for user education,

Place of access to Internet

The preferred place of access to Internet by the first

Grade college students for accessing needed information has been summarized in the Table-11.

The Table-11 also depicts that 186(80.52%) University college students access to "Cyber Café" followed by 411(97.39%) Government College students 512(99.22%) Aided college students and 430(96.20%) Un-aided college students access to internet "Cyber Café", followed by 162(70.13%) University college students use of internet access to "Residence", followed by 298(70.62%) government college students 368(71.32%) aided college students 241(53.91%) unaided college students access to internet to Residence.

Purpose of use of Internet

First Grade college students affiliated to Tumkur University students access the Internet for various purposes. The purpose of use of Internet has been summarized in the form of Table-12.

Table 12 shows that 184(79.65) university college students purpose of use of internet to For data communication(sending and receiving e-mail, Chat) and For accessing teaching materials, followed by 176(76.19) For entertainment/ recreational (adds, games, movies, songs tec.) about 391(92.65) government college students purpose of use of internet to For data communication(sending and receiving e-mail, Chat)

Table 12. Purpose of use of Internet

| Purpose | University Colleges (N=231) | Government Colleges (N=422) | Aided Colleges (N=516) | Un-Aided Colleges (N=447) | Total (N=1616) |
|--|-----------------------------|-----------------------------|------------------------|---------------------------|----------------|
| For data communication(sending and receiving e-mail, Chat) | 184(79.65) | 391(92.65) | 498(96.51) | 441(98.66) | 1514(93.69) |
| For reading/ writing research papers, research and projects | 38(16.45) | 14(03.32) | 21(4.07) | 07(01.57) | 80(04.95) |
| For accessing teaching materials | 184(79.65) | 308(72.99) | 297(57.56) | 255(57.05) | 1044(64.60) |
| For accessing/ reading unpaid/ Subscribed information resources (e-journals, e-databases etc.) | 06(02.60) | 17(04.03) | 24(4.65) | 06(01.34) | 23(01.42) |
| For blogging/ uploading content and participation in discussion forum | 34(14.72) | 76(18.01) | 62(12.02) | 53(11.86) | 30(01.86) |
| To access OPAC/Web OPAC | 15(06.49) | 94(22.27) | 197(38.18) | 38(8.50) | 225(13.92) |
| For participation in News Groups | 21(09.09) | 17(4.03) | 28(05.43) | 13(2.91) | 344(21.29) |
| For entertainment/ recreational (adds, games, movies, songs tec.) | 176(76.19) | 329(77.96) | 396(76.74) | 368(82.33) | 79(04.89) |
| Social sites (Face book, Orkut, YouTube, LinkedIn etc.) | 153(66.23) | 361(85.55) | 334(64.73) | 378(84.56) | 1365(84.47) |
| Seeking jobs websites/portals | 172(74.46) | 338(80.09) | 463(89.73) | 392(87.70) | 1269(78.53) |

followed by 338(80.09) Seeking jobs websites/portals, about 498(96.51) aided college students use of internet for the purpose of For data communication(sending and receiving e-mail, Chat) followed by 396(76.74) For entertainment/ recreational (adds, games, movies, songs tec.) and 441(98.66) unaided college students purpose of use of internet to For data communication(sending and receiving e-mail, Chat), followed by 392(87.70) Seeking jobs websites/portals.

7.13. Usage of N-LIST Services

First grade college students use age of N-LIST services provided by library such three categories of college students has been used N-LIST services has been summarized form of the Table-13.

Table 13 also depicts that 159(85.03%) university college students prefer to use Economic and Political Weekly, followed by 130(69.52%) Indian Journals about 67(91.78%) government college student prefer to use Economic and Political Weekly followed by 53(72.60%) Indian Journals, 147(84.00%) aided college students prefer to use Indian Journals followed by 123(70.29%)

Economic and Political Weekly, N-LIST Services use for academic work.

Physical Facilities in college library

The college library considered the physical facilities, resources, services, opine the first grade college students affiliated to Tumkur University summarized the Table 14.

Table 14 also depicts that 226(97.00%) university college students express to Physical Facilities in college library to 'Reading room has adequate space with enough seating capacity', and 186(79.83%) express to Library has adequate space for browsing materials (Popular magazines and newspapers), followed by 254(58.39%) government college students express to Physical Facilities in college library to Reading room is well furnished with reading tables and chairs, and 195(44.83%) express to 'Library stack is congested and not usable', about 341(63.62%) aided college students express to 'Reading room has adequate space with enough seating capacity', and 289(53.92%) express to 'Library has adequate space for browsing materials (Popular magazines and newspapers)', and 341(74.29%)

Table 13. Usage of N-LIST Services

| Types of N-LIST Resources | University Colleges (N=187) | Government Colleges (N=73) | Aided Colleges (N=175) | Total (N=435) |
|--|-----------------------------|----------------------------|------------------------|---------------|
| E-JOURNALS | | | | |
| American Institute of Physics | 64(34.22) | 31(42.47) | 54(30.86) | 149(34.25) |
| American Physical Society | 51(27.27) | 19(26.03) | 39(22.29) | 109(25.06) |
| Annual Reviews | 38(20.32) | 23(31.51) | 30(17.14) | 91(20.92) |
| Cambridge University Press | -- | -- | -- | -- |
| Economic and Political Weekly | 159(85.03) | 67(91.78) | 123(70.29) | 349(80.23) |
| Indian Journals | 130(69.52) | 53(72.60) | 147(84.00) | 330(75.86) |
| Institute of Physics | 96(51.34) | 47(64.38) | 84(48.00) | 227(52.18) |
| JSTOR | 23(12.30) | 19(26.03) | 39(22.29) | 81(18.62) |
| Oxford University Press | -- | -- | 22(12.57) | 22(05.06) |
| Royal Society of Chemistry | 23(12.30) | 11(15.07) | 18(10.29) | 52(11.95) |
| H. W. Wilson | 17(09.09) | 09(12.33) | 24(13.71) | 50(11.49) |
| E-BOOKS | | | | |
| Cambridge Books Online | 22(11.76) | 27(36.99) | 39(22.29) | 88(20.23) |
| E-brary | -- | -- | 24(13.71) | 24(05.52) |
| EBSCOHost-Net Library | 23(12.30) | 18(24.66) | 24(13.71) | 65(14.94) |
| Hindustan Book Agency | 14(07.49) | 22(30.14) | 31(17.71) | 67(15.40) |
| Institute of South East Asian Studies(ISEAS) Books | -- | 17(23.29) | -- | 17(03.91) |
| Oxford Scholarship | -- | -- | 22(12.57) | 22(05.06) |
| Springer eBooks | 39(20.86) | 18(24.66) | 27(15.43) | 84(19.31) |
| Sage Publication eBooks | 62(33.16) | 13(17.81) | 18(10.29) | 93(21.38) |
| Taylor Francis eBooks | 29(15.51) | 17(23.29) | 20(11.43) | 66(15.17) |
| Mylibrary-McGraw Hill | -- | -- | 27(15.43) | 27(06.21) |
| E-resources for Universities (Web of science) | 136(72.73) | 39(53.42) | 93(53.14) | 268(61.61) |
| Bibliographical databases (MathSciNet) | 28(14.97) | 11(15.07) | 26(14.86) | 65(14.94) |

un aided college student express to 'Good ventilation and lighting facility in the reading room', and 327(71.24%) express to Good ventilation and lighting facility in the stack rooms, opinion about Physical Facilities in college library.

Major findings of the study

About 698 (40.91%) respondents are from Arts discipline, followed by Commerce and Science students. Majority 403(23.62%) are from Science discipline and

605(35.46%) are from Commerce discipline. Majority of 1663(97.48%) of respondents visit the college library followed by 366(22.01%) visit every day, 221(13.29%) visit monthly, About 1490(89.60%) students purpose of visit borrow the books, about 1587(95.43%) read newspapers and popularize magazine About 370(22.25%) satisfied library hours, 529(31.81%) extremely satisfied about period of book loan scheme, 1087 Newspaper clipping services about library services Majority 1514(93.69%) usage of e-mail, chat, data communication and purpose of use of internet, About 349(80.23%) N-list economic and political weekly e-

Table 14. Physical Facilities in college library

| Opinion | University Colleges (N=233) | Government Colleges (N=435) | Aided Colleges (N=536) | Un- Aided Colleges (N=459) | Total (N=1663) |
|--|-----------------------------|-----------------------------|------------------------|----------------------------|----------------|
| Reading room has adequate space with enough seating capacity | 226(97.00) | 219(50.34) | 341(63.62) | 288(62.75) | 107(06.43) |
| Reading room is well furnished with reading tables and chairs. | 151(64.81) | 254(58.39) | 216(40.30) | 271(59.04) | 892(53.64) |
| Library has adequate space for browsing materials (Popular magazines and newspapers) | 186(79.83) | 112(25.75) | 289(53.92) | 294(64.05) | 881(52.98) |
| Good ventilation and lighting facility in the reading room | 179(76.82) | 189(43.45) | 261(48.69) | 341(74.29) | 781(46.96) |
| Good ventilation and lighting facility in the stack rooms | 155(66.52) | 154(35.40) | 284(52.99) | 327(71.24) | 920(55.32) |
| Library stack is congested and not usable | 102(43.78) | 195(44.83) | 245(45.71) | 274(59.69) | 816(49.07) |
| Drinking water/Toilet facilities | 141(60.52) | 111(25.52) | 133(24.81) | 94(20.48) | 479(28.80) |
| Good vehicle parking facilities near the library. | 99(42.49) | 201(46.21) | 166(30.97) | 131(28.54) | 597(35.90) |

resources used, 920(55.32%) Good ventilation and lighting facility in the stack rooms, etc.

SUGGESTIONS

The following suggestions can be drawn from the following findings:

Majority of the respondents prefer printed text books the library increase its print collection. The library should provide orientation and training program for its users at regular interval of time. The library should conduct hands on workshop for using e-resources. The speed of the internet for accessing information resources should be increased. The library staff should do regular shelf rectification for easy access of misplaced books.

CONCLUSION

The present study shows that, most of the under graduate college libraries are suffering from inadequate fund, manpower, proper infrastructure facilities, audio visual materials, as well as e-resources, and trained manpower to handle the digital library operations.

Majority of the college libraries in the study have not computerized their library services. Most of the unaided colleges do not have Internet facility and accessing the N-List services.

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