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Use of N-LIST Services by the First Grade College students affiliated to Tumkur University, Tumkur: A Study

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Abstract

The present study was carried out at First Grade Colleges such as Arts, Commerce and Science discipline first Grade Colleges affiliated to Tumkur University. These studies aim to examine the purpose of use, types of services, level of satisfaction, problem faced while accessing, training/ orientation program and preferred external storage medium for storing information resources downloaded via N-LIST Services. For this purpose the researchers prepared a well structured questionnaire and interview schedule as a tool for data collection and same was analyzed and presented with useful percentage analysis and suitable table for presentation of data. The article summarizes the results highlighting the major findings, suggestions and conclusion.

1.1 INTRODUCTION

N-LIST stands for “National Library and Information services Infrastructure for Scholarly Content”. The programme is funded by the MHRD to extend access to selected e-resources to colleges covered under Section 2F/12B of UGC Act. More than 6,000 colleges covered under Section 2F/12B of UGC Act. As on Jul 17 2013, a total number of 3375 colleges have registered themselves with the N-LIST programme including 3072 Govt. / Govt.-aided colleges covered under the section 12 B/2F of UGC Act as well as Non-Aided colleges . Log-in ID and password for accessing e-resources has been sent to the authorized users from these 3072 colleges. All e-resources subscribed for colleges under the N-LIST Project are now accessible to these 3072 colleges through the N-LIST website (<http://nlist.inflibnet.ac.in>)

Being jointly executed by the UGC-INFONET Digital Library Consortium, INFLIBNET Centre and the INDEST-AICTE Consortium, IIT Delhi provides for i) cross-subscription to e-resources subscribed by the two Consortia, i.e. subscription to INDEST-AICTE resources for universities and UGCINFONET resources for technical institutions; and ii) access to selected e-resources to colleges. The N-LIST project provides access to e-resources to students, researchers and faculty from colleges and other beneficiary institutions through server(s) installed at the INFLIBNET Centre. The authorized users from colleges can now access e-resources and download articles required by them directly from the publisher’s website once they are duly authenticated as authorized users through servers deployed at the INFLIBNET Centre.

N-LIST services are considered a vital part of academic college services in the 21st century. It has tremendously changed the way of seeking information towards electronic resources and services. It is today important to learn and know the assessing the use of N-LIST Services among the Faculties and Students. The study reveals that N-LIST Services are useful to academic users and elaborates on the problems faced while accessing and utilizing N-LIST Services. The study helps in planning, developing and extending the N-LIST Services to academic Colleges.

Keywords: N-LIST Services; Academic Resources; Electronic Resources; Library Consortium, First Grade Colleges, Tumkur University.

Brief profile of Collegiate Education and Tumkur University

The Department of Collegiate Education has brought out the degree level education within the reach of the common man. The primary aim of this department has been overall development of students. The department has undertaken the responsibility of providing higher education to the poor, backward and weaker sections of the society as education being the path to improving intellect and ensuring progress of mankind. The Department of Collegiate Education is funding 360 government and 299 private aided colleges across the State with the help of its six regional offices. Out of these colleges 51 First Grade Colleges are affiliated to Tumkur University, Tumkur.

Tumkur is a historical centre possessing the rich cultural heritage which had valiant historical events of different kingdoms and humane social setup of incomparable stature with many reigns and regions. The Tumkur University was newly started university during the year 2004 as a separate entity to cater to the needs of thousands of young aspirants of higher education in the area. At present there are 51 First Grade Colleges affiliated to Tumkur University, Tumkur providing postgraduate, undergraduate degree courses covering disciplines of Arts, Science and Commerce. It is marching towards the spread of higher education. The University blossomed in the era of globalization in which the economies of the world are being transformed from their original closed self sustaining structure to the globalized context, where they can expose themselves to the competitive world. This transition forced the arena of knowledge emphasizing itself to more of its application than of accumulation of facts. Tumkur University in order to cope with the present global environment, is attempting to the integrated and interdisciplinary approaches in the dissemination of knowledge with the aim of achieving overall human personality development. In globalized environment the newly established Tumkur University has paved the way for realizing the vision at the international arena to the human welfare.

1.2 OBJECTIVES OF THE STUDY:

The present study is an attempt to find out the accessibility of N-LIST Services by the Constitute First Grade Colleges affiliated to Tumkur University. The main objectives of the study are:

1. To know the different types of N-LIST Services.
2. To find the purpose of access of N-LIST Services
3. To find out the problems faced while accessing the N-LIST Services
4. To find out the storage media format for accessing downloading information.
5. To find out the Level of satisfaction of N-LIST Services

1.3 METHODOLOGY

The survey method was adopted, using questionnaire as a tool for data collection. A structured questionnaire was designed and distributed to the students of Tumkur University Constitute First Grade Colleges, Government Colleges, Aided Colleges, and Un-aided Colleges Arts discipline, Commerce discipline and Science disciplines. Out of 2018 questionnaires were distributed among the students where as 1706 questionnaire were received back 84.54 percent total use of information resources and services, and they are using N-LIST Services out of 603(36.26%) awareness of N-LIST services where as 1060(63.74%) do not awareness of N-LIST services respondent from students. In addition to questionnaire method, interview schedule and observation method were also used to collect required information as a supplement to the questionnaire method to bring more clarity to the data which are essential and use

for statistical techniques chi-square test, mean, standard deviation and corresponding analysis interpretation of data.

1.4 ANALYSIS AND INTERPRETATION OF DATA

The data collected by using different methods were analysed, interpreted and presented in the following tables.

1.4.1 AWARE OF N-LIST SERVICES

Opinion about Aware of N-LIST Services by first grade college faculty members. Table-1 has been shown.

Table-1 shows that 1060(63.74%) students are have aware of N-LIST services, and remaining 1060(63.74%) students donot aware of N-LSIT services, by first grade college faculty members affiliated to Tumkur Univeristy, Tumkur.

Table -1: Aware of N-LIST Services

Opinion	Type of Colleges				Total N=1663
	University colleges N=233	Government Colleges N=435	Aided Colleges N=536	Un- Aided Colleges N=459	
Yes	201(86.27)	132 (30.34)	198 (36.94)	72 (15.69)	603 (36.26)
No	32 (13.73)	303 (69.66)	338 (63.06)	387 (84.31)	1060 (63.74)

Note: Figures in the parentheses indicate percentage

Table -67 also depicts that 201(86.27%) University college students followed by 132(30.34%) government college students about 198(36.94%) aided college students and 72(15.69%) unaided college students are aware of N-LIST Services. Whereas 32(13.73%) university college students 303(69.66%) government college students 338(63.06%) aided college students and 387(84.31%) un aided college students do not aware of N-LIST Services.

1.4.2 LIBRARY PROVIDE N-LIST SERVICES

Opinion about library provides of N-LIST Services by first grade college faculty members. Table-2 has been shown.

Table-2 shows that 435(26.16%) students are expressed library provided by N-LIST services, and remaining 1228(73.84%) students expressed do not library provide of N-LSIT services, by first grade college students affiliated to Tumkur Univeristy, Tumkur

Table- 2: N-LIST service provided by the library

Opinion	Type of Colleges				Total N=1663
	University colleges N=233	Government Colleges N=435	Aided Colleges N=536	Un- Aided Colleges N=459	
Yes	187 (80.26)	73 (16.78)	175 (32.65)	-	435 (26.16)
No	46 (19.74)	362 (83.22)	361 (67.35)	459 (100.00)	1228 (73.84)

Note: Figures in the parentheses indicate percentage

Table 2 also depicts that 187(80.26%) University college students 73(16.78%) government college students and 175(32.65%) un aided college students express to have N-LIST service provided by the library. Whereas 46(19.74%) university college students 362(83.22%) government college students 361(67.35%) aided college students 459(100.00%) un aided college students express to do not have N-LIST service provided by the library

1.4.3 TYPES OF N-LIST SERVICES USE FOR ACADEMIC WORK

The use of various types of N-LIST Services by the students of First Grade Colleges affiliated to Tumkur University, Tumkur has been summarised in the form of Table-3.

The table -3 depicts that there are 349(80.23%) students use ‘Economic and Political Weekly’, about 330(75.86%) students use ‘Indian Journals’, followed by 268(61.61%) E-resourcesfor Universities(Web of science), 227(52.18%) Institute of Physics,’ 149(34.25%) American Institute of Physics, 109(25.06%) American Physical Society, 93(21.38%) Sage Publication eBooks, 91(20.92%) Annual Reviews, 88(20.23%) Cambridge Books Online, 84(19.31%) Sage Publication eBooks, 81(18.62%) JSTOR, 66(15.17%) Taylor Francis eBooks, 65(14.94%) Bibliographical databases(MathSciNet), and EBSCoHost-Net Library, 52(11.95%) Royal Society of Chemistry, 50(11.49%) H. W. Wilson e-journals, 27(06.21%) Myilibrary-McGraw Hill, 24(05.52%) E-brary, 22(05.06%) Oxford Scholarship, and only 17(03.91%) Institute of South East AsianStudies(ISEAS) Books.

Table- 3: N-LIST Services use for academic work

Types of N-LIST Resources	Type of Colleges			Total (N=435)
	University Colleges (N=187)	Government Colleges (N=73)	Aided Colleges (N=175)	
E-JOURNALS				
American Institute of Physics	64(34.22)	31(42.47)	54(30.86)	149(34.25)

Types of N-LIST Resources	Type of Colleges			Total (N=435)
	University Colleges (N=187)	Government Colleges (N=73)	Aided Colleges (N=175)	
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)
Myilibrary-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)

Note: Figures in the parentheses indicate percentage

Table 3 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.

1.4.4 LEARN TO USE N-LIST SERVICES

Methods used in learning the use of N-LIST Services by students First Grade Colleges affiliated to Tumkur University, Tumkur has been summarized in the form of table-4.

The respondents were asked how they learn to access to N-LIST services. The table -4 depicts that 321(73.79%) Students learn to use N-List Services through guidance from the library staffs followed by 116(26.67%) students of respondents learnt from guidance from the Trial and error, 103(23.68) Self learning, 80(18.39%) Guidance from the Friends/colleagues, and only 59(13.56%) Attending course, Trainings, Workshops and seminars,

Table-4: Learn to use N-LIST Services

Learn to use N-LIST Services	Type of Colleges			Total (N=435)
	University Colleges (N=187)	Government Colleges (N=73)	Aided Colleges (N=175)	
Trial and error	18(9.63)	11(15.07)	87(49.71)	116(26.67)
Self learning	21(11.23)	19(26.03)	63(36.00)	103(23.68)
Guidance from the Friends/colleagues	32(17.11)	27(36.99)	21(12.00)	80(18.39)
Attending course, Trainings, Workshops and seminars	29(15.51)	11(15.07)	19(10.86)	59(13.56)
Guidance from the Library staffs	122(65.24)	62(84.93)	137(78.29)	321(73.79)

Note: Figures in the parentheses indicate percentage

Table -4 also depicts that 122(65.24%) university college students learn to use N-LIST Services for method of ‘Guidance from the Library staffs’, followed by 32(17.11%) Guidance from the Friends/colleagues 62(84.93%) government college students, students learn to use N-LIST Services for method of Guidance from the Library staffs, 27(36.99%) Guidance from the Friends/colleagues and 137(78.29%) aided college students use N-LIST Services for method of ‘Guidance from the Library staffs’ and 87(49.71%) Trial and error, learn to use N-LIST Services.

1.4.5 PURPOSE OF USE OF N-LIST SERVICES

The purpose of use of N-LIST services by faculty members First Grade Colleges affiliated to Tumkur University; Tumkur has been summarized in the form of table-5.

The table-5 shows that 253(58.16%) of students access to N-LIST services for the purpose of to For assignment, about 139(31.95%) Reading/writing research papers, followed by 97(22.30%) Preparing /accessing teaching resources, 93(21.38%) For collecting general information, 61(14.02%) Prepare Project, and only 46(10.57%) Preparation for Seminar, conference and workshop'.

Table 5: Purpose of use of N-LIST Services

Purpose	Type of Colleges			Total (N=435)
	University Colleges (N=187)	Government Colleges (N=73)	Aided Colleges (N=175)	
For assignment	96(51.34)	59(80.82)	98(56.00)	253(58.16)
Reading/writing research papers	61(32.62)	22(30.14)	56(32.00)	139(31.95)
Preparing /accessing teaching resources	38(20.32)	27(36.99)	32(18.29)	97(22.30)
Prepare Project	21(11.23)	13(17.81)	27(15.43)	61(14.02)
Preparation for Seminar, conference and workshop	13(06.95)	19(26.03)	14(08.00)	46(10.57)
For collecting general information	47(25.13)	11(15.07)	35(20.00)	93(21.38)

Note: Figures in the parentheses indicate percentage

Table 5 also depicts that 96(51.34%) university college students prefer to purpose of use of N-LIST services 'For assignment', followed by 61(32.62%) Reading/writing research papers,59(80.82%) government college students prefer to purpose of use of N-LIST services 'For assignment', followed by 27(36.99%) Preparing /accessing teaching resources, and 98(56.00%) aided college students prefer to purpose of use of N-LIST services 'For assignment', followed by 56(32.00%) Reading/writing research papers

1.4.5 PREFERRED FILE FORMAT FOR DOWNLOADING N-LIST RESOURCES

The preferred file format for downloading N-LIST services among faculty First Grade Colleges affiliated to Tumkur University, Tumkur has been summarised in the form of table-6.

The table-6 depicts that 339(77.93%) students prefer to use 'PDF' format, followed by 58(13.33%) prefer 'HTML', and 46(10.57%) prefer 'Any other fomrat', like Rich text format, HTML etc.

Table-6:downloading N-LIST services and preferred physical storage medium used for storing downloaded resources.

File Format	Type of Colleges			Total (N=435)
	University Colleges (N=187)	Government Colleges (N=73)	Aided Colleges (N=175)	
PDF	162(86.63)	38(52.05)	139(79.43)	339(77.93)
HTML	17(09.09)	14(19.18)	27(15.43)	58(13.33)
Any other (like richtext, html, etc..)	21(11.23)	11(15.07)	14(08.00)	46(10.57)

Note: Figures in the parentheses indicate percentage

Table-6 also depicts that 162(86.63%) university college students prefer to downloading N-LIST services and preferred physical storage medium used for storing downloaded resources for 'PDF' format, followed by 21(11.23%) Any other (like richtext, html, etc..), about 38(52.05%) government college students prefer to use 'PDF', followed by 14(19.18%) 'Word', format and 139(79.43%) aided college students prefer to use 'PDF', format and only 27(15.43%) 'Word', downloading N-LIST services and preferred physical storage medium used for storing downloaded resources.

1.4.7 Preferred physical storage medium used for storing downloaded resources

The preferred physical storage medium used for storing downloaded N-LIST services in First Grade Colleges affiliated to Tumkur University, Tumkur has been summarized in the form of table-7.

The table-7 depicts that 368(84.60%) students prefer to store downloaded N-LIST resources in 'Pen Drive', followed by 94(21.61%) in 'Memory Card', and 50(11.49%) in 'Compact/ DVD'.for storing N-LIST services.

Table-7: preferred version of Storage Media

Storage Media	Type of Colleges			Total (N=435)
	University Colleges (N=187)	Government Colleges (N=73)	Aided Colleges (N=175)	
Pen Drive	177(94.65)	68(93.15)	123(70.29)	368(84.60)
Compact/ DVD	14(07.49)	09(12.33)	27(15.43)	50(11.49)
Memory Card	19(10.16)	33(45.21)	42(24.00)	94(21.61)

Note: Figures in the parentheses indicate percentage

The table-7 also depicts that 177(94.65%) university college students preferred version of Storage Media for 'Pen Drive', followed by 19(10.16%) 'Memory Card' and only 14(07.49%) Compact/ DVD, followed by 68(93.15%) government college students preferred version of Storage Media for 'Pen Drive', followed by 33(45.21%) 'Memory Card', and only 09(12.33%) 'Compact/ DVD', and 123(70.29%) aided college students preferred version of Storage Media for 'Pen Drive' followed by 42(24.00%) 'Memory Card', and 27(15.43%) 'Compact/ DVD', preferred version of Storage Media for downloading N-LIST information resources.

Table -1.4.8: N-LIST Information services features

123(28.28%) students N-LIST Information services Accessibility of 'Excellent', followed by 143(32.87%) students Access Speed N-LIST Information services express to 'Very Good', about 97(22.30%) N-LIST Information services express to 'Good', 108(24.83%) students Easy to use express to 'Average', and 98(22.53%) Up-to-date N-LIST Information services express to 'Poor'.

Table -8: N-LIST Information services features

Features	Excellent	Very Good	Good	Average	Poor	Total (N=435)
Easy to use	98(22.53)	76(17.47)	89(20.46)	108(24.83)	64(14.71)	435
Up-to-date	109(25.06)	69(15.86)	73(16.78)	86(19.77)	98(22.53)	435
Accessibility	123(28.28)	87(20.00)	75(17.24)	73(16.78)	77(17.70)	435
Access Speed	87(20.00)	143(32.87)	97(22.30)	47(10.80)	61(14.02)	435
Usefulness	85(19.54)	92(21.15)	75(17.24)	97(22.30)	86(19.77)	435
Hypertext links	83(19.08)	106(24.37)	69(15.86)	132(30.34)	45(10.34)	435
Organized information	89(20.46)	105(24.14)	76(17.47)	87(20.00)	78(17.93)	435
Comprehensiveness	93(21.38)	90(20.69)	87(20.00)	95(21.84)	70(16.09)	435
Flexibility	110(25.29)	89(20.46)	73(16.78)	79(18.16)	84(19.31)	435

Note: Figures in the parentheses indicate percentage

1.4.9 FACED PROBLEMS/BARRIERS WHILE USING N-LIST SERVICES

The problems/barriers faced by students are while using First Grade Colleges affiliated to Tumkur University, Tumkur has been summarised in the form of Table-9.

The table-9 depicts the problems faced by the students while using/ accessing N-LIST Services. 296(68.05%) students opined that they face problem due to varied search pattern, followed by 150(34.48%) faced the problem of It is taking lot of time to get connected to the required site, 109(25.06%) System hangs up, 60(13.79%) Less band width, 53(12.18%) Unwanted pages, and 48(11.03%) Virus affected, accessing problems of N-LIST services.

Table-9: Problems/Barriers while using N-LIST Services

Problems/Barriers	Type of Colleges			Total (N=435)
	University Colleges (N=187)	Government Colleges (N=73)	Aided Colleges (N=175)	
Varied search pattern	98(52.41)	69(94.52)	129(73.71)	296(68.05)
It is taking lot of time to get connected to the required site	65(34.76)	48(65.75)	37(21.14)	150(34.48)
System hangs up	83(44.39)	12(16.44)	14(08.00)	109(25.06)
Virus affected	17(09.09)	09(12.33)	22(12.57)	48(11.03)
Unwanted pages	13(06.95)	03(04.11)	37(21.14)	53(12.18)
Less band width	27(14.44)	14(19.18)	19(10.86)	60(13.79)

Note: Figures in the parentheses indicate percentage

Table -9 also depicts that 98(52.41%) university college students Problems/Barriers while using N-LIST Services to ‘Varied search pattern’, followed by 83(44.39%) ‘System hangs up’, about 69(94.52%) government college students Problems/Barriers while using N-LIST Services to ‘Varied search pattern’ followed by 48(65.75%) It is taking lot of time to get connected to the required site, about 129(73.71%) aided college students Problems/Barriers while using N-LIST Services to ‘Varied search pattern’, and 37(21.14%) both It is taking lot of time to get connected to the required site and Unwanted pages.

1.4.10 LEVEL OF SATISFACTION ABOUT INFORMATION RETRIEVED THROUGH N-LIST SERVICES

The Level of satisfaction about information retrieved through N-LIST Services by the students first Grade Colleges affiliated to Tumkur University, Tumkur has been summarized in the form of table-10.

Table-10: shows that level of satisfaction among the students while retrieving information through the N-LIST services in First Grade Colleges, affiliated to Tumkur

University, Tumkur. 138(31.72%) students are express 'satisfied', with mean value of 2.3261 and SD .87264, about 124(28.51%) students express 'Extremely satisfied', with mean value of 1.8145, and SD .88682, followed by 82(18.85%) students express 'Moderately satisfied', with mean value of 1.7561, SD .86867, 52(11.95%) students express 'Slightly satisfied', with mean value of 1.8654, SD .92945, and only 39(08.97%) students express 'Not at all satisfied' with mean value of 1.8205, and SD .88472. with the information retrieved through N-LSIT services.

Table -10: Level of satisfaction about information retrieved through N-LIST Services

Level of Satisfaction	Type of Colleges			Total (N=435)	Mean	SD
	University Colleges (N=187)	Government Colleges (N=73)	Aided Colleges (N=175)			
Extremely satisfied	62(33.16)	23(31.51)	39(22.29)	124(28.51)	1.8145	.88682
Satisfied	37(19.79)	19(26.03)	82(46.86)	138(31.72)	2.3261	.87264
Moderately satisfied	43(22.99)	16(21.92)	23(13.14)	82(18.85)	1.7561	.86867
Slightly satisfied	26(13.90)	07(09.59)	19(10.86)	52(11.95)	1.8654	.92945
Not at all satisfied	19(10.16)	08(10.96)	12(06.86)	39(08.97)	1.8205	.88472

Note: Figures in the parentheses indicate percentage

Table -10 also depicts that 62(33.16%) university college students Level of satisfaction about information retrieved through N-LIST Services, opined that 'Extremely satisfied', followed by 43(22.99%) express to 'Moderately satisfied', about 23(31.51%) government college students express to 'Extremely satisfied', and 19(26.03%) express to 'Satisfied', and 82(46.86%) aided college students opine that 'Satisfied', and 39(22.29%) opine that 'Extremely satisfied'.

1.4.11 OPINION ABOUT BOOK BANK FACILITY IN COLLEGE LIBRARY

The opinion about book bank facility in college library by the students of first Grade Colleges affiliated to Tumkur University, Tumkur has been summarized in the form of table-12.

Table-11: shows that opinion about book bank facilities in first grade college students, 497(29.89%) students express that 'Excellent', about 394(23.69%) students express that 'Very Good', followed by 344(20.69%) students express 'Good', 274(16.48%) students express that 'Average', 154(09.26%) students express that 'Poor'. Opinion about book bank facility in college library.

Table- 11: Opinion about book bank facility in college library

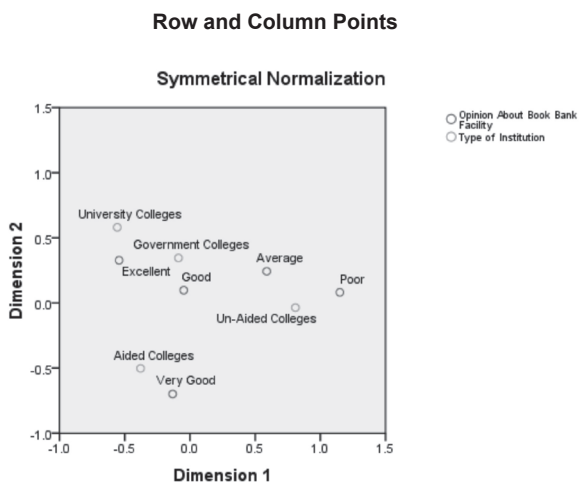
Location	Type of Colleges				Total N=1663
	University Colleges N=233	Government Colleges N=435	Aided Colleges N=536	Un- Aided Colleges N=459	
Excellent	109(46.78)	143(32.87)	167(31.16)	78(16.99)	497(29.89)
Very Good	39(16.74)	76(17.47)	178(33.21)	101(22.00)	394(23.69)
Good	41(17.60)	111(25.52)	107(19.96)	85(18.52)	344(20.69)
Average	35(15.02)	68(15.63)	58(10.82)	113(24.62)	274(16.48)
Poor	09(03.86)	37(08.51)	26(04.85)	82(17.86)	154(09.26)
X ² =174.349, df=12, P=.000					

Note: Figures in the parentheses indicate percentage

Table 12 also depicts that 109(46.78%) university college students opinion about book bank facility in college library express to ‘Excellent’, followed by 41(17.60%) express to ‘Good’, about 143(32.87%) government college students express to ‘Excellent’, and 111(25.52%) express to ‘Good’, followed by 178(33.21%) aided college students express to ‘Very Good’, and 167(31.16%) express to ‘Excellent’, and 113(24.62%) un aided college students express to ‘Average’, and 101(22.00%) express to ‘Very Good’, opinion about book bank facility in college library

This was tested with help of X²- test. The test conducted for 12 d.f.at the 5% level of significance shows that there is a significant relationship between awareness of opinion about book bank facilities (X²=174.349, d.f.=12, P=.000<0.05). Hence, the research hypotheses-12 is supported. i.e., the Opinion about book bank facility in college library.

Figure -1 : Opinion about book bank facility in college library



1.5 Findings and Suggestions

In the present study the authors have provided a useful summary of Use of N-LIST Services by the faculty and students of Constitute First Grade Colleges affiliated to Tumkur University, Tumkur. The major findings of the study and suggestions to improve the access and usage of these electronic information resources have been summarised below:

1.5.1 Findings

The major findings of the study are:

- Majority of 603(36.26%) students awareness of N-LIST Services where as 1060(63.74%) do not aware of N-LIST services.
- About 349(80.23%) students prefer to Economic and Political Weekly and 330(75.86%) students prefer to Indian Journals.
- Majority of 321(73.79%) student prefer guidance from the library staff N-LIST Services.
- About 253(58.16%) students prefer N-LIST services for the purpose use of N-LIST Resources for completing assignment.
- Majority of 339(77.93%) students prefer to PDF File format for downloading information resources and 368(84.60%) students prefer Pen Drive for storing download N-LIST resources.
- Majority of 296(68.05%) students face problems of varied search pattern while retrieving N-LIST resources and Services.
- About (Mean Score 2.3261 and SD .87264) students are satisfied with the information retrieved through N-LIST Services and
- Majority of 497(29.89%) students opinioned the excellent about book bank facility in college library

1.5.2 Suggestions

- The students should be trained in using advance search options available in search menu of N-LIST services for retrieval of relevant information.
- The Library and Information Centre should organize seminars, workshops and orientation programmes for students for accessing N-LIST Services at regular interval of time to keep them pace with latest technological changes.
- College library computer centre infrastructure should be further improved for providing better N-LIST Services.
- The students should further improve their information searching skills to make better use of largely available electronic information resources.

1.5.3 Conclusion


The emergence of internet as a ubiquitous global information and communication resource propelled people's lives into the digital epoch. Due to rapid advancement in ICT the internet has become an inseparable part of today's higher educational system. With the development in the area of Internet and information technology, more and more of the educational resources are being produced, distributed and accessed in the digital format. The government of India is spending large amount on the e-resources which are made available via consortia. The electronic resources in the virtual world represent a large investment of people's effort, money and wisdom. The users should become familiar with latest information resources and to make optimum utilization of electronic information resource available in the institution.

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