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## Awareness and Use of NLIST E-Resources among PG Students of Dr. Shivarama Karantha Government First Grade College Bellare D.K.: A Study

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### Abstract

E-resources are playing very important role in higher education. The project of INFLIBNET Center for E-resources is NLIST. This study has made an attempt for use and awareness of NLIST e-resources among PG students of Dr. Shivarama Karantha Government First College. For data collection structured question papers prepared using Google form and sent through e-mail for 50 PG students. The objectives of the study is purpose of using e-resources, problems while accessing e-resources and requirement of user education for better utilization of e-resources. The study finds that where orientation programs have been timely conducted along with technological infrastructure and further the government should appoint professionally qualified library staff to the college it leads to the increase the utilization of NLIST program.

**Keywords:** N-LIST, INFLIBNET, E-resources, Academic Library, user education

### 1. Introduction

Information and Communication Technology (ICT) is the biggest achievement in the evolution of mankind ICT is any system designed to gather, process, or distribute information or it is the science and skill of all aspects of computing, data storage, and communication. ICT may be any combination of tools and procedures that facilitate the generation, acquisition, storage, organization, retrieval, searching, viewing, updating and transmission of information using electronic means. The tools used in ICT include purpose-built computer programs, databases, communication networks, analysis and design methods, programming languages, artificial intelligence, robotics, knowledge bases, etc. ICT has long standing influence in almost all areas of human activity. It acts as a catalyst in all spheres of science and technology.

### 2. National Library and Information Services Infrastructure for Scholarly Content (NLIST)

The Project entitled "National Library and Information Services Infrastructure for Scholarly Content (N-LIST)", being jointly executed by the e-ShodhSindhu Consortium, It enables access to selected e-resources of many popular publishers and cross subscription to e-resources for the benefits of students, researchers and faculty of colleges, universities and other various institutions under this programme

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 e-ShodhSindhu 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.

**2.1. N-LIST: Four Components:** The project has four distinct components, i.e.

- i). To subscribe and provide access to selected e-ShodhSindhu e-resources to technical institutions (IITs, IISc, IISERs and NITs) and monitor its usage;
- ii). To subscribe and provide access to selected INDEST e-resources to selected universities and monitor its usage;
- iii). To subscribe and provide access of selected e-resources to Govt./Govt.-aided colleges and monitor its usage; and
- iv). To act as a Monitoring Agency for colleges and evaluate, promote, impart training and monitor all activities involved in the process of providing effective and efficient access to e-resources to colleges.

The INDEST and UGC-INFONET are jointly responsible for activity listed at i) and ii) above. The INFLIBNET Centre, Gandhinagar is responsible for activities listed at iii) and iv) above. The INFLIBNET Centre is also responsible for developing and deploying appropriate software tools and techniques for authenticating authorized users.

The registered users from colleges and universities can able to access e-resources needed by them through the links listed in N-LIST website to the publishers' sites. To do this, the users have to register their names first in the programme and the same should be forwarded by their institution or college. Once they are duly authenticated as authorized users in the servers of INFLIBNET centre then they can start using and accessing the resources. The N-LIST project provides access to e-resources to students, researchers and faculties from colleges and other beneficiary institutions through servers installed at the INFLIBNET Centre. The authorized users from colleges can access e-resources and download articles required by them directly from the publisher's website (<http://nlist.inflibnet.ac.in>) with individual user id and password once they are duly authenticated as authorized users.

All college covered under Sections 12(B) and 2(f) of the UGC Act and Non-aided Colleges (except for colleges imparting education in Agriculture, Engineering, Management, Medical, Pharmacy, Dentistry and Nursing) are eligible to access selected e-resources subscribed for the colleges under e-

Shodh Sindhu. These resources include 6,150 e-journals and 1,99,536 e-books. All eligible colleges are required to register themselves online. Beneficiary colleges, registered for the N-LIST, a college component of E-Shodh Sindhu, can access 6,150 electronic journals and 1,99,536 electronic books including e-books available through national subscription. Details of e-resources accessible through the INFLIBNET's proxy server (<http://nlist.inflibnet.ac.in/>) are as follows:

**Table 1:** Full-text Electronic Resources

S. No.	E-resources	Publishing Country	No. of Journals	Back-files from
1	American Institute of Physics	USA	18	Ten yrs
2	Annual Reviews	USA	33	Ten yrs
3	Economic and Political Weekly (EPW)	India	1	1966+
4	Indian Journals	India	186	2007+
5	Institute of Physics	UK	46	Vol. 1+
6	JSTOR	USA	2500	Vol. 1+
7	Oxford University Press	UK	262	1996+
8	Royal Society of Chemistry	UK	29	Ten yrs.
9	H. W. Wilson	USA	3,075	1982+
Total			6150	

**Table 2:** Electronic Books

S. No.	E-book Name	Publishing Country	Books
1	Pro Quest Academic Collection (formally known as E-brary)	USA	1,85,227
2	Cambridge Books Online	UK	1,800
3	EBSCO Host-Net Library	USA	936
4	Institute of South East Asian Studies (ISEAS) Books	India	382
5	Hindustan Book Agency	India	65
6	Oxford Scholarship Online	UK	1,402
7	Springer eBooks	Germany	2,300
8	Taylor & Francis eBooks	UK	1,800
9	9 Mylibrary-McGraw Hill	USA	1,124
10	Sage Publication eBooks	UK	1,000
11	Open Access (Net Library)		3,500
Total			1,99,356

**2.2. NLIST Current Status:** As on February 08, 2023, a total number of 4307 member colleges are getting access to resources subscribed under the NLIST programme. Log-in IDs and passwords have been issued to more than 7.75 lakhs users including faculty members, students and researchers from these 4307 eligible colleges. The N-LIST was honored with three awards in the years 2010 and 2011, namely i) e-India Jury Choice Award 2010; ii) Manthan South Asia Award 2010 in Digital Learning Category for the year 2010; and iii) Skoch Digital Inclusion Awards 2011 in Technology in Education Category.

### 3. About Dr. Shivarama Karantha Government First Grade college Bellare

Dr. Shivarama Karantha Government First Grade College Bellare, Sullia T Q established in the year 1991 with its library. The library established with a vision to serve the information needs of its users effectively and efficiently. The

library holds mainly collection related to Arts, Commerce, Social work subjects along with Kannada and English Literature. It is a center of learning, information and knowledge. The college library functions in the class room. Open access has been introduced in our library. Our college library partially automated with New GenLib software. The LAN connected with in the library for searching documents through OPAC. The college library works with the vision of its college to create an integral system that meets the educational needs of the teachers and student's community at large and further, the transformation of rural youths into human resources of globe.

The college library has developed excellent collection of text books and reference books and journals and magazines. At present the library has a collection of 15,576 Volumes (8335 Titles the reading room is subscribing 33 magazines, 9 journals and 8 dailies. The Library has a very good reference collection. It includes dictionaries, year-books, competitive exam books, gazetteer, maps and subject reference books etc.,

The library occupies a total area more than 3500 sq. ft. at the new building ground floor. It has a seating capacity of 50 users at a time. The college having membership of NLIST E-resources from 2019. The library provided 3 systems in the library and 30 systems in computer center for the utilization of e-resources.

#### 4. Review of Literature

Sadanand Bansode and Manisha Jadhar (2020) [14]. Identified the awareness and use of the N-LIST Consortium by the faculty members of selected colleges affiliated to Savitribai Phule Pune University, Pune. A Structured Questionnaire used for study. After analyzing data collected the result shows that the faculty members are aware of the N-LIST resources and are using mainly for updating their domain knowledge and for teaching purpose. Some faculties faced some barriers such as lack of knowledge in accessing the resources and slow internet speed. The study demands for organizing regular training programmes to the faculties so that they would be properly trained in accessing the N-LIST e-resources.

Hanchinal, Veeresh, B. (2019) [3] assesses and reported that assess the use of electronic resources particularly N-LIST programme by the college students of Mumbai Suburban area. A structured questionnaire was distributed were received and the data is analyzed. The major findings of the study revealed that 50% of respondents are using e-resources of N –LIST Programme and 50% of them are not using, The study reported that the haggist number of respondents are accessed these resources for their study. Further the study revealed that the majority of the respondents said their main purpose of using e-resources through N-LIST is to prepare Class Notes and Assignments Based on the findings it is suggested that regular training programmes should be conducted by the college libraries to create awareness and optimum utilization of e-resources particularly of N-LIST consortium.

The study was carried out by Mahesh R. Solanki (2016) [6] described the awareness and use of N-LIST programme amongst the users (Faculty members, UG students and PG students) of affiliated colleges of Saurashtra University he used structured questionnaire as a tool to elicit the opinion of users about the awareness and use of N-LIST programme. The article summarizes the college libraries should organize the awareness and training programmes and seminars to educate the users on seeking information from e-resources and to maximize the use of library resources and services. Further the N-LIST programme has successfully filled-in the serious gap of providing access of e-resources to college. Colleges should develop e-infrastructures of computer network and sufficient LIS professional staff to make this programme success and help users to go beyond walls of the library of their colleges.

Kumar, Rajeshwar (2013) briefly described the awareness about N-LIST programme, its components, availability of e-resources, how to access these resources and outlines the structure and their role. He also discussed and suggested that the college libraries should organize the awareness and training programmes and seminars to educate the users on seeking information from e-resources and to maximize the use of library resources and services. More than that he indicated that college should develop e-infrastructures of computer network and sufficient LIS professional staff to make this programme success and help users to go beyond walls of the library of their colleges.

Kumbar Mallinath (2013) [5] briefly described in his study to examine the factors affecting the optimum utilization of N-LIST services, place of access, purpose of use, types of services, level of satisfaction, problem faced while accessing, training/orientation programme and preferred external storage media for storing information resources downloaded via N-LIST services.

#### 5. Scope of the Study

The study is confined to assess the utilization of NLIST E-resources among PG students of Dr. Shivarama Karantha Government First Grade College Bellare, sullia T Q D K only.

#### 6. Methodology

A structured questionnaire was designed using Google form and used as a tool for collection of data. There are 83 PG students are enrolled and studying in M COM and MSW. 50 questionnaires were distributed to the randomly to the PG students. Out of which 43(86%) responded and submitted Google form completed.

#### 7. Need for the Study

The study reveals the use of electronic resources among UG and PG Students. The study confined to the finding the utilization N-List e-resources students of government college.

#### 8. Objectives of the Study

The objectives of this study is as follows

- i). To know the purpose of using electronic resources.
- ii). To know the problems in accessing electronic resources.
- iii). To find the need of user education N-List

#### 9. Analysis of Data

The analysis based on questionnaire survey of the post graduates students of Dr. Shivarama Karantha Government First Grade College Bellare, sullia T Q D K the responses obtained were analysed using MS Excel and the results are presented in tables and charts for better and easy understanding.

##### 9.1. Distribution of Questionnaires

**Table 3:** Distribution of Questionnaire

Description	Response
Number of questionnaires Distributed	50
Number of Responses Received	43
Percentage of Response	86.00%

The table 3 shows that 50 questionnaires were distributed to the student users of the college. Out of 50 questionnaires distributed 43 filled questionnaires were received. The response rate is 86.00%.

##### 9.2. Gender Wise Response Rate

From the bellow figure it is described that there are 50 questionnaires are distributed out of that 37(85%) female students and only 6(15%) are male respondents. The 70% of female students are studying in PG courses. The study shows that highest number of female students responded to the study.

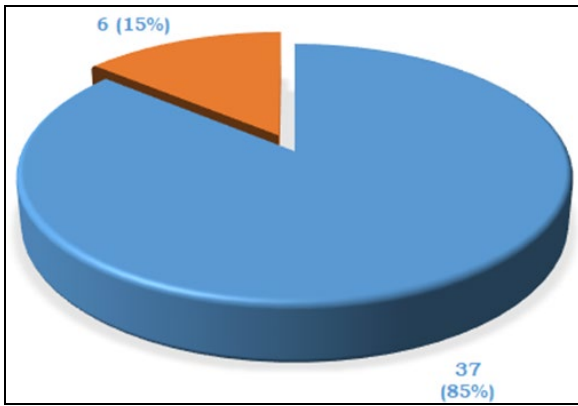


Fig 1: Gender wise Response Rate

9.4. Use of NLIST E-resources

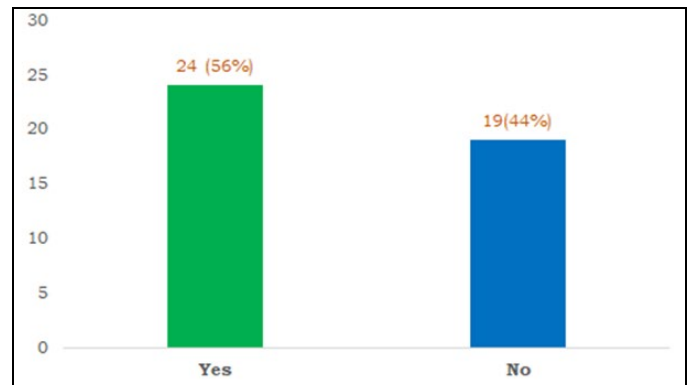


Fig 3: Use of NLIST e-resources

The chart 3 shows that 89(57%) respondents are using N-LIST e-resources whereas 67(43%) respondents are not using N-LIST e-resources.

9.3. Awareness on E-resources/N LIST Available in the Library

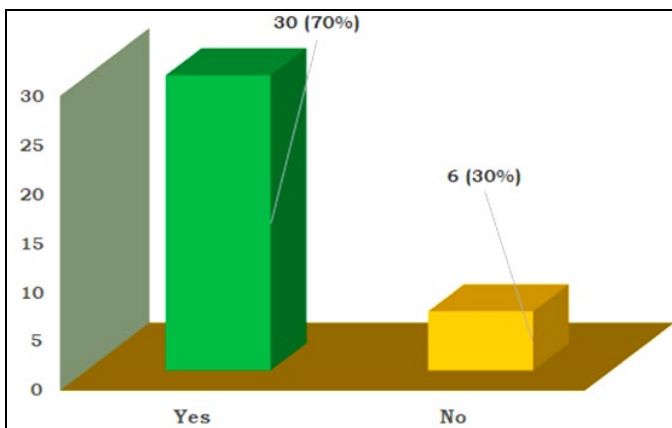


Fig 2: Awareness on E-resources/N LIST available in the library

Figure 2 indicates that 43 (70%) respondents are aware of N-LIST e-resources whereas 7 (30%) respondents are not aware of N-LIST e-resources. It shows that highest number of PG students are aware the e resources available in the college library.

9.5. Place of Accessing NLIST E-resources

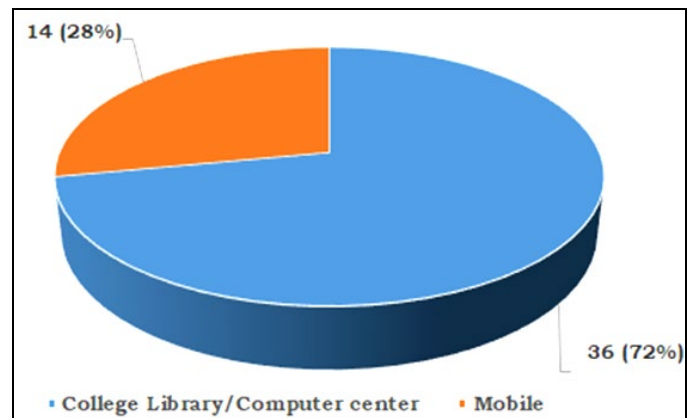


Fig 4: Place of Accessing NLIST E-resources

As the above figure 4 shows that the 72% percent of the NLIST users are accessing information from the library and computer center and only 28% percent of the users are accessing NLIST e-resources through mobile itself.

9.6. Purpose of Using NLIST E-resources

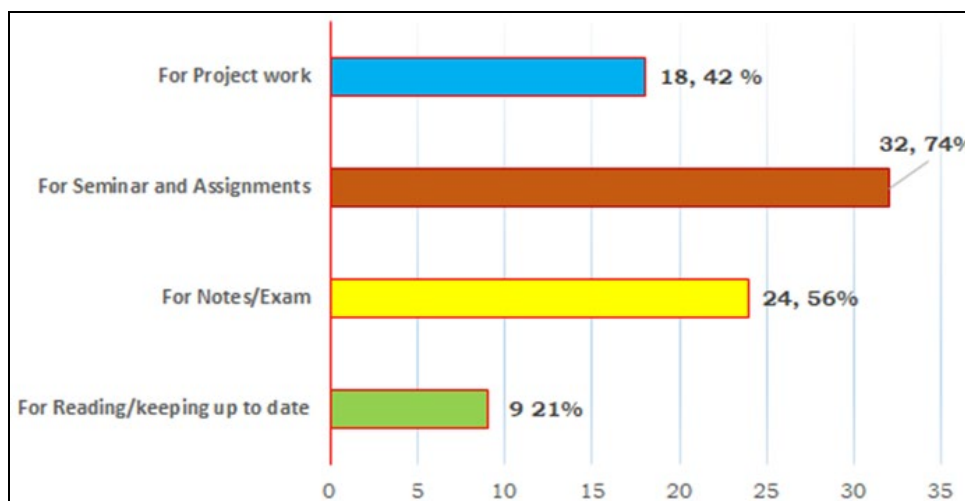
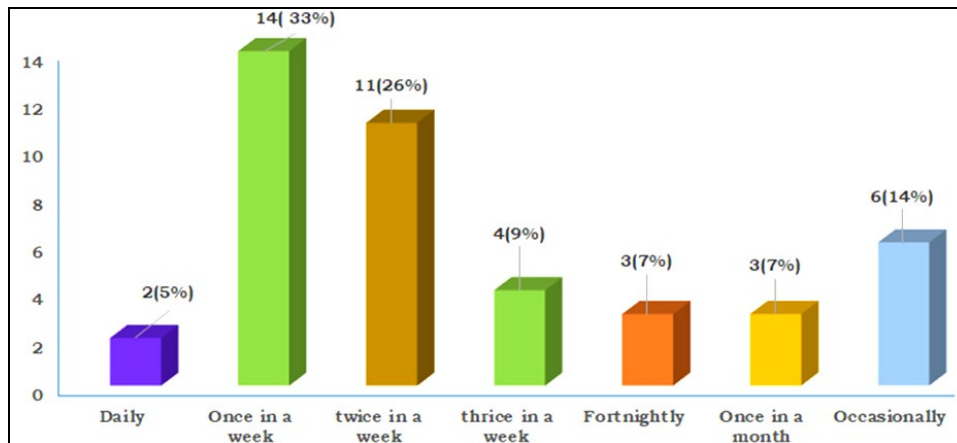


Fig 5: Purpose of using NLIST E-resources

As the above Figure 5 shows that 72% percent of the users are using NLIST E-resources for Preparing Seminars and Assignments. 56% percentage of the users are using NLIST e-

resources for preparing notes/Exam, 42 percent of users are using NLIST e-resources for preparing project work and only 21 percent users using NLIST E-resources for reading.

**9.7. Frequency of Using NLIST**

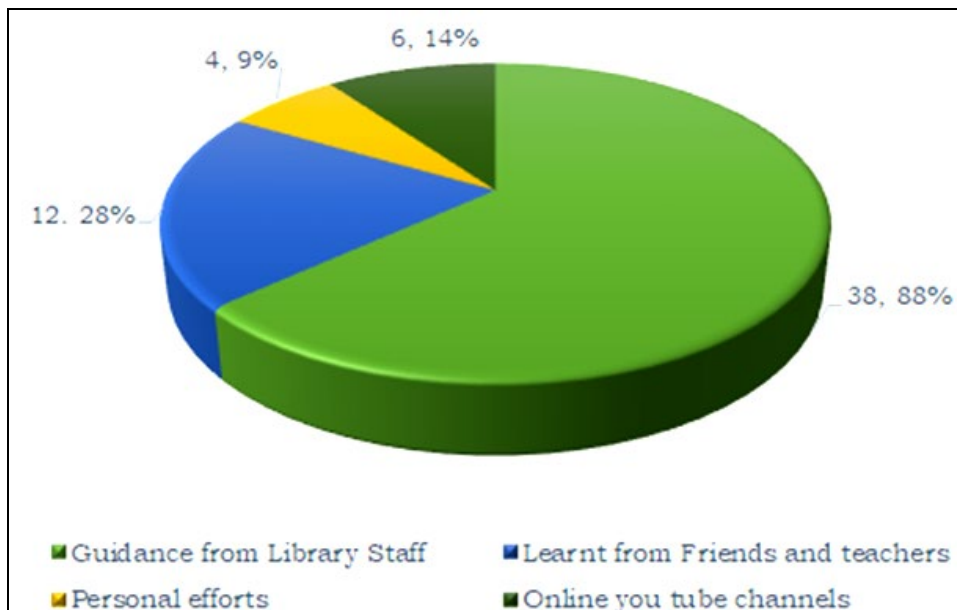


**Fig 6:** Frequency of using NLIST

The above figure 6 shows that, frequency of using NLIST E-resources. The question was asked to respondents. The respondents were replied in different ways. Majority of the respondents use the resources once in a week 14(33%), Twice in a week 11 (26%), daily 2 (5%), Thrice in a week, 4(9%),

once in a month, 3(7%), fortnightly 3(7%), only 6(14%) of users use N-List occasionally. It can be seen that highest numbers of respondents are using N-List resources once in a week and it says that E-resources are very necessary for their academic purpose.

**9.8. Guidance for Using NLIST Resources**

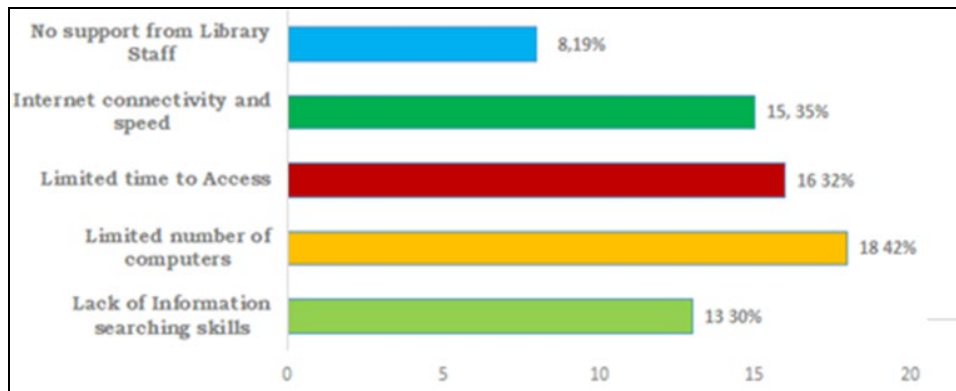


**Fig 7:** Guidance for using NLIST resources

The above figure 7 shows the 38(88%) of the respondents come to aware on NLIST resources through the guidance from library Staff, 12(28%) learnt from teachers and friends,

6(14%) learnt through the YouTube channels and 4(9%) are learnt from their personal efforts.

### 9.9. Problems Faced While Accessing NLIST

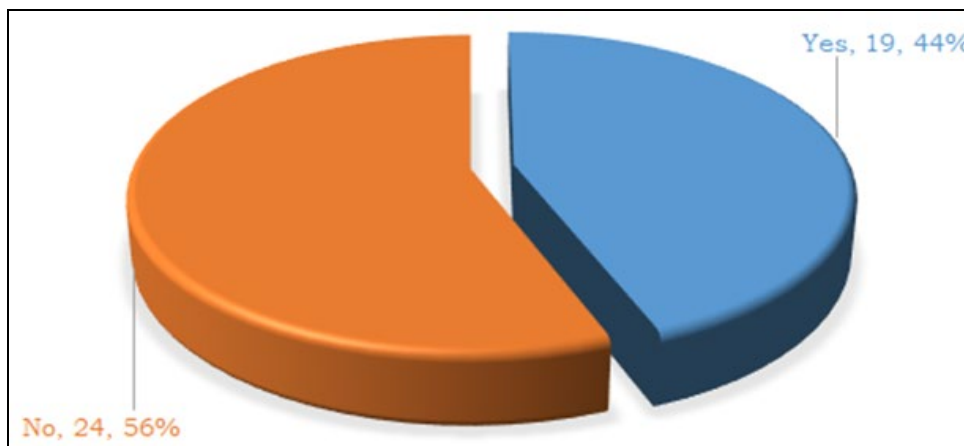


**Fig 8:** Problems faced while accessing NLIST

It is evident from figure 8 that 18(42%) of the users faced Limited number of systems for accessing the N-List e-resources, 16(35%) of the users faced Limited time to access while accessing the N-List e-resources, 15(35%) internet connectivity and speed is the problem for accessing NLIST, 13(30%) faced lack of information searching skills facility,

and 30(9.84%) faced downloading problems while accessing then-List e-resources. Hence it can be concluded that the majority of the users facing the Limited number of system for access E-resources and Limited time to access while accessing the electronic resources

### 9.10. User Education on N-List Programme



**Fig 9:** User education on N-List programme:

Figure 9 indicates that 19 (44%) respondents need training on utilization of NLIST e-resources and indicates that 24 (56%) respondents no need training on utilization of NLIST e-resources.

### 10. Findings and Suggestions

Based on the above analysis the findings of the study are as follows.

- The resources under the NLIST program are used as and when required according to the needs of the PG students. It's also found that the e-resources are used mainly for notes and exam related work.
- The study reveals that where orientation programs have been timely conducted in college it leads to the increase the utilization of NLIST program. The library staff should encourage the students to utilize the e-resources available in NLIST.
- It is found from the study that the limited number of systems and the limited time to access are the major problems faced by the respondents while accessing e-resources. The authority has to provide necessary infrastructure facility along with technological infrastructure for accessing e resources it should contain

college network campus Wi-Fi and computer system facilities in the library to improve the use of NLIST e-resources.

- It is concluded from the study the usage of furnished e resources in the college whereas very poor because the librarian post is vacant since a long time. The government need sanction the post of librarian and appoint the professionally qualified librarian as early as possible for better utilization of NLIST e-resources.
- The college librarian need to provide training and orientation program frequently to increase use of e-resources among students and Librarian and library staff provide help desk assisting in accessing NLIST e resources.

### 11. Conclusion

NLIST provides e resources for colleges and other academic institutions it plays a very important role in providing information to the students in higher studies. The college libraries should organize training and awareness programs for the users to educate the maximum utilization of e resources that are available in NLIST platform. The timely up to date

training programs will improve the use of library resources and services it also improves the user satisfaction.

In today's circumstances the e-resources are gaining more important in higher education. NLIST is the major facility provided by the government of India to access e-resources at the college level. The college librarian and Library staff are playing very important role in the use of e-resources and services effectively and efficiently. The library authorities should provide proper infrastructure facilities to users to access NLIST e resources.

NLIST resources are considered as a very important part of college libraries in providing services. E-resources are very expensive and it is not possible for individual college to subscribe all e-resources. The NLIST Consortium program provides to the college libraries at very low cost.

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