

# USE OF SWAYAM PLATFORM BY LIBRARY PROFESSIONALS DURING: 2022-2023

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## ABSTRACT

*SWAYAM platform provide a great opportunity of e-learning not only LIS professionals but also to all subject professionals. The study finds the awareness of SWAYAM platform among the library and information science professionals. Now days LIS Professionals using this platform for various purposes, updating the current knowledge, gets new knowledge's, various new technologies in LIS fields, for career advancement etc. This study shows that, 79% of library Professionals aware of SWAYAM platform among that 86% LIS professionals enroll their self on SWAYAM platform. It also shows that SWAYAM becomes an alternative of higher education. LIS professionals about SWAYAM and the popularity of SWAYAM, an online survey have been conducted among Library and Information Science (LIS) professionals using social media platforms. LIS professionals said that the platform is useful to LIS profession. Some suggestions also made to improve the performance of SWAYAM platform.*

**Key words:** Indian MOOC, Library Professionals, MOOC, SWAYAM, SWAYAM Awareness.

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## 1. INTRODUCTION

In 21st century tremendous changes in various sectors and it has brought the changes in all the field of human life. Therefore, Information and Communication Technology (ICT) is highly use of in every field. It changes the entire face of teaching and learning system. Today growing demand of ICT resources in digital world, government of India launch “**Digital India**” Project in 2016.

Most of the educational, researcher, organization, Software developers develops the new tools and technique for teaching and learning process. New technology has always been of interest of educationalist and students. This Technology widely used for the betterment of students those who are not admitted in any school or college, those who stay far away or not attending formal education, they can listen their lectures using these technological tools at any place any time. It plays a significant role in open and distance learning, academicians guidance and teaching the students through these technologies.

“Indian government and its academic agencies have taken MOOCs seriously and a platform Study Webs of Active-Learning for Young Aspiring Mind (SWAYAM) has been launched by Government of India, Ministry of Human Resource Development in 2016. For operating the courses 8 National MOOCs Coordinators (NMCs) has been appointed by MHRD with their prime responsibility for designing, developing, and delivering MOOC on various disciplines from senior school level to Post graduate level.”<sup>(1)</sup>

### 3. SWAYAM IS INDIAN MOOC PLATFORM

Providing access to the quality learning resources across the country, the project “Study Webs of Active-learning for Young Aspiring Mind”. (SWAYAM) has been started. SWAYAM provides an integrated platform for online courses, using Information and Communication Technology and covering schooling to higher educational subjects and skill sector courses to ensure that every student benefit from it. SWAYAM is Indigenous platform designed to achieve the three cardinal principals of Education policy access, equity and quality. SWAYAM is a free and open learning platform for 9<sup>th</sup> to postgraduate students, based on MOOC guidelines. SWAYAM is an Indian “Massive Open Access Course” (MOOC) for all. With the help of Microsoft, HRD Ministry and AICTE developed the SWAYAM platform. The objectives of these efforts are to give the best teaching learning resources with great teachers from all over the India. SWAYAM helps to bridge the digital illiteracy for students who have remained untouched by the digital revolution and have not been knowledge economy.<sup>(2)</sup>

#### 3.1. SWAYAM IS A

1. Web and mobile based platform for all course from high school to university level.
2. High quality learning experience using multimedia on anytime, anywhere, basis.
3. The system that allows easy access, monitoring and certification.
4. Peer group interaction and discussion forum to clarify doubts.
5. Hybrid model of teaching and learning that adds to the quality of classroom teaching.

Whereas, SWAYAM involves development of MOOCs including e-content (video & text) and building a strong IT platform.<sup>(3)</sup>

“The Journey of SWAYAM can be traced back to 2003 with the initiation of the National Program on Technology Enhanced Learning (NPTEL) a joint program on IIT & IIS; this was the first major attempt in E-learning in the country through online web and video courses in Engineering, Science & Humanities streams. The launch of the National Mission on Education through information and Communication Technology in Feb 2009.”

### 4. FOUR QUADRANTS OF MOOC-SWAYAM

The courses hosted on SWAYAM are based on 4 quadrants of MOOCs that is

**Quadrant 1** – It contains Video and audio content in an organized form Animation, Simulation, Video demonstration, virtual, etc.

**Quadrant 2** – It is e-content platform combined of PDF, Text, e-books, illustration, video demonstration documents, and interactive simulations wherever required.

**Quadrant 3** – Web base resources contain Related link, open source contain on Internet, Case studies, books including e-books, research paper and journals, historical development of the subject, articles, etc.

**Quadrant 4** – Self-Assessment process contain Problems and solution, which could be in the form of multiple-choice questions fill in the blanks, matching question, short answer questions, long answer questions, Assignment and solutions, Discussion forum topics and setting up the FAQs clarifications on general misconceptions.<sup>(4)</sup>

UGC also issue the guidelines and regulation for universities to giving the credit to students those complete a course related to his UG or PG Degree, submitting the completion exam mark sheet of SWAYAM in college or university. It is mandatory to every university if any student clam the marks no one university refuse it. SWAYAM to notify courses on 01 June & 01 November every year.<sup>(6)</sup>

## 5. ADVANTAGES OF SWAYAM

1. The SWAYAM is free of cost but for the certificate we pay some fee of exam.
2. SWAYAM platform provide an alternative opportunity for higher education.
3. Learners get top quality teachers to teach the subject on a one platform.
4. It reaches the masses that have internet connection.

## 6. DISADVANTAGES OF SWAYAM

1. SWAYAM platform can't not reach those who have no smart phones and computer system.
2. It takes so long time to complete the courses.
3. Regional language courses not available on SWAYAM platform.
4. SWAYAM platform reaches only where there is an Internet connection.

## 7. OBJECTIVES OF STUDY

1. To study the awareness of SWAYAM among LIS professionals.
2. To find the gross enrollment by LIS professionals on SWAYAM platform.
3. To find out the problems faced by library professionals while doing the SWAYAM courses.
4. To find out the purpose of enrollment on SWAYAM.
5. To find the perceptions of usefulness of SWAYAM courses in the LIS profession.
6. To find out the reason for not enroll on the SWAYAM platform.

## 8. SCOPE OF THE STUDY

Scope of this study limited to university of Mumbai. The main purpose of this is find approaches of library science professional's towards SWAYAM courses. Study included library science professionals who work in various affiliated colleges in Mumbai University and courses done or registered which was launch on SWAYAM platform between January 2022 to July 2023.

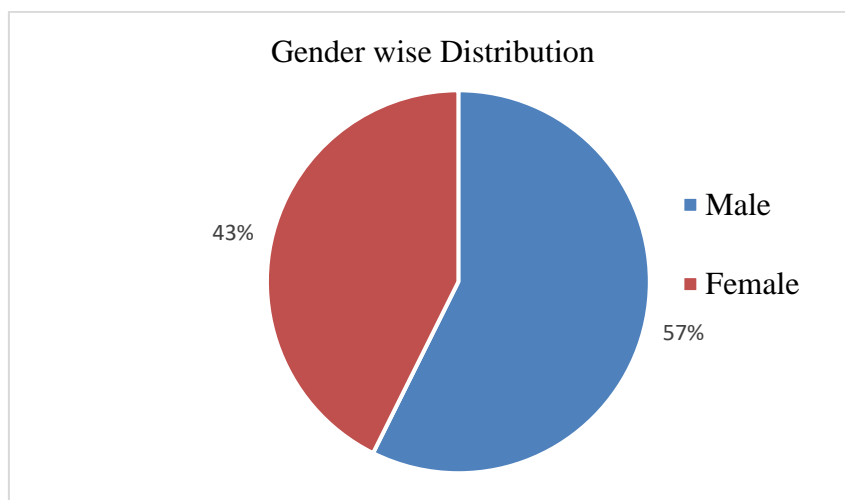
## 9. METHODOLOGY

An online survey was conducted about awareness of SWAYAM among LIS professionals. For the study researcher used survey method for collecting the data and used structured questionnaire for collecting the data. Questionnaire created through the help of Google form and the link was shared by social media especially on what's Apps. Because library science professionals well connected to each other through this social media and researcher get the responses in short period survey was done in August 2023 and total 136 LIS professionals were responded.

## 10. ANALYSIS OF DATA

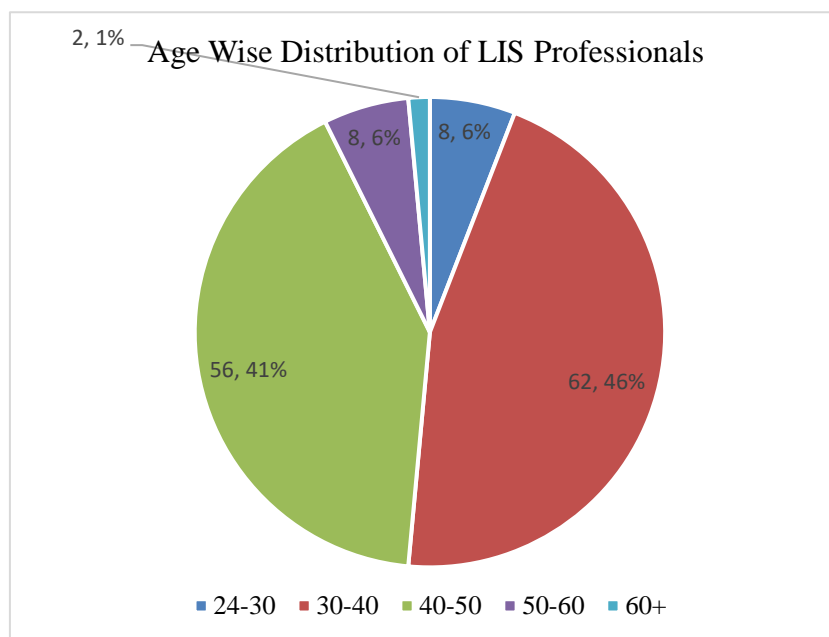
Collected data analyzed with the help of excel sheet and created graphs for better understanding the results.

**Graph 1**



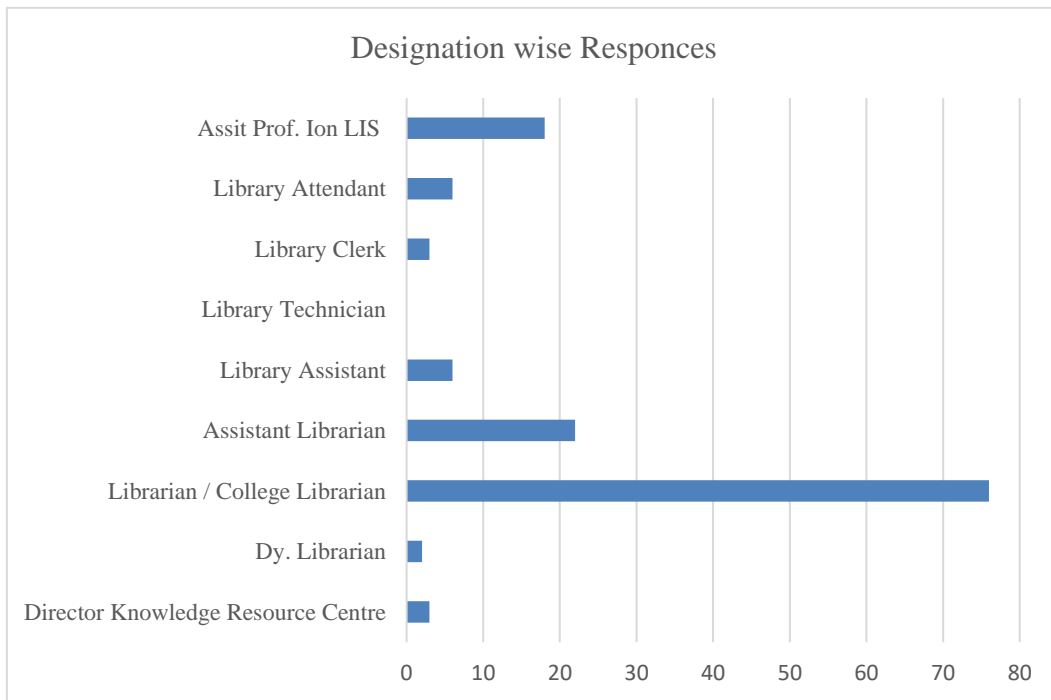
From the above graph 1 it indicates that out of 136 responses 57% male and 43% female LIS professionals responded to the questionnaire. Female professional not behind the male professionals they are also come up for learning the new techniques in the field.

**Graph 2**



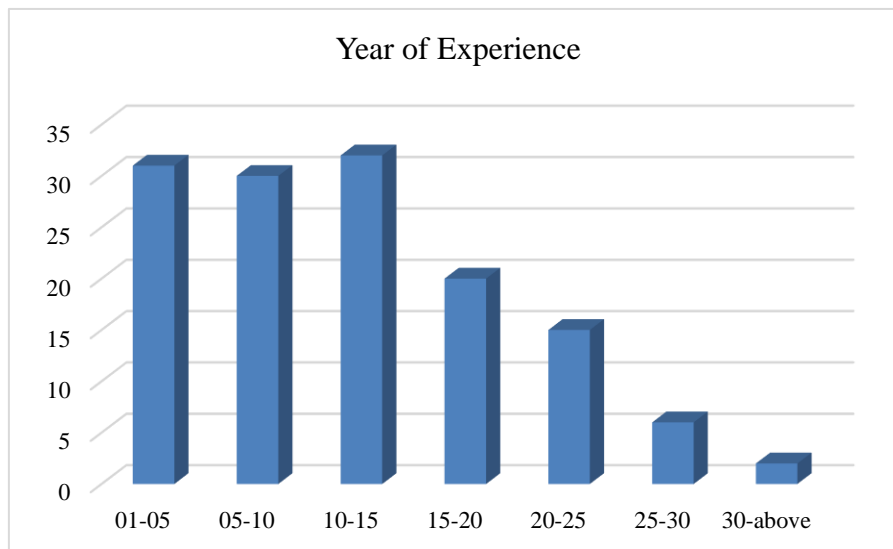
From the graph 2 it shows that more than 46% LIS professionals from 30-40 and 41% LIS professionals are from 40-50 age groups respectively. It means Juniors as well as senior LIS professionals also adopt the new tools & technology in new education system.

**Graph 3**



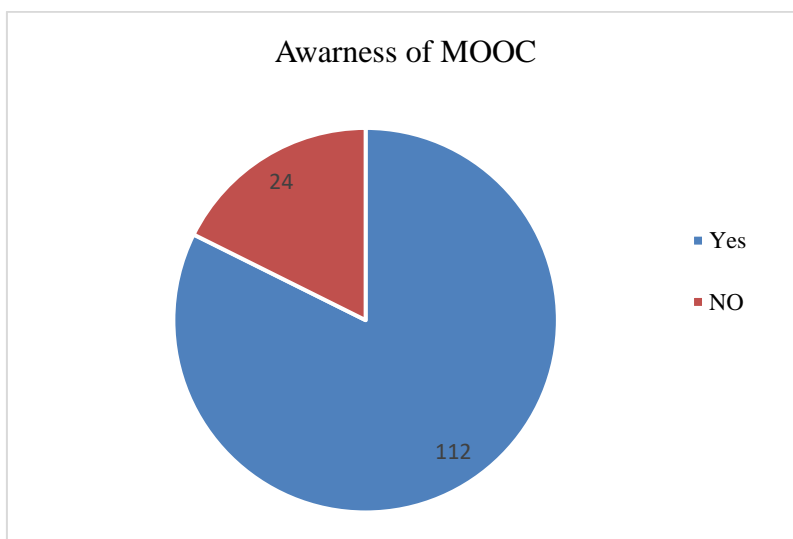
From the graph 3 it is found that out of 136 respondents 76 are college librarian and 22 is assistant librarian, 03 are Directors of LIS field and 02 are Dy. Librarian 18 responses from the teaching field of library science. Remaining are the supporting staff of the library use the SWAYAM platform for the enrichment in the field and enhanced their ability for changing work in the library from traditional to technological base.

**Graph 4**



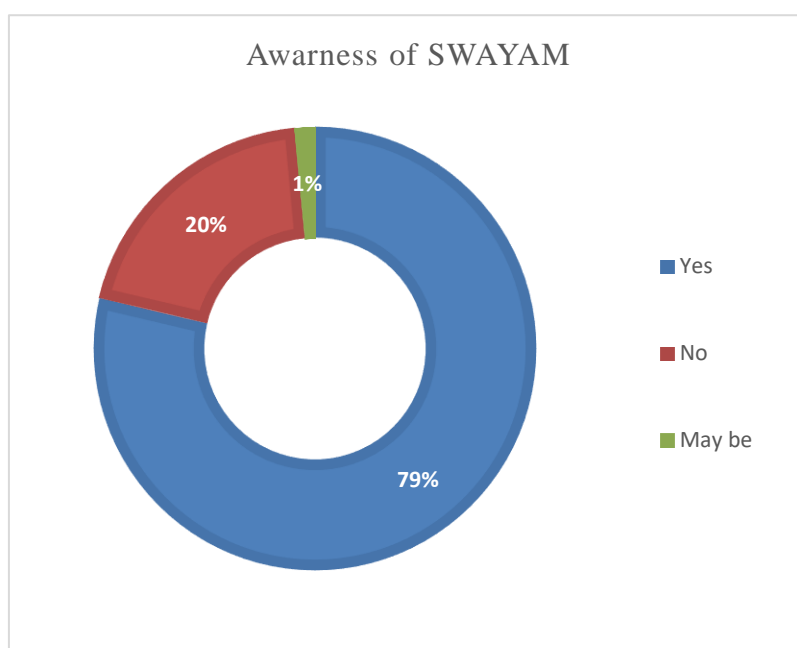
Above graph 4 indicate that 32 respondents 10-15 year experience group and 30 respondent 05-10 year experience group and 31 responses from 01-05 year of experience, It means that 93 respondents have average 07 year of experience. And they are mostly like to use the technology for disseminating the learning recourses.

**Graph 5**



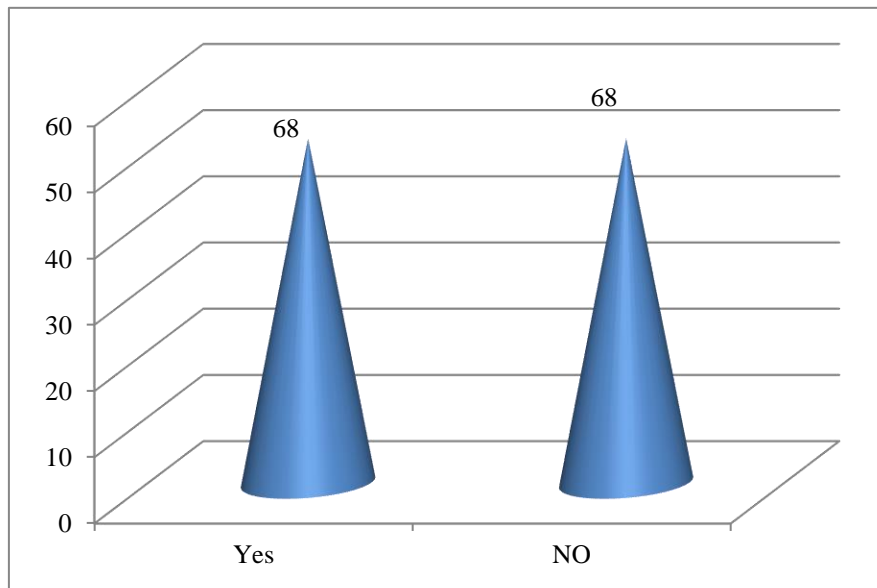
Graph 5 shows that 85% (112) respondents are aware about MOOC, its function and its use in the modern technological education and 15% (24) of LIS professionals are not aware about it also they are not interested to know about it.

**Graph 6**



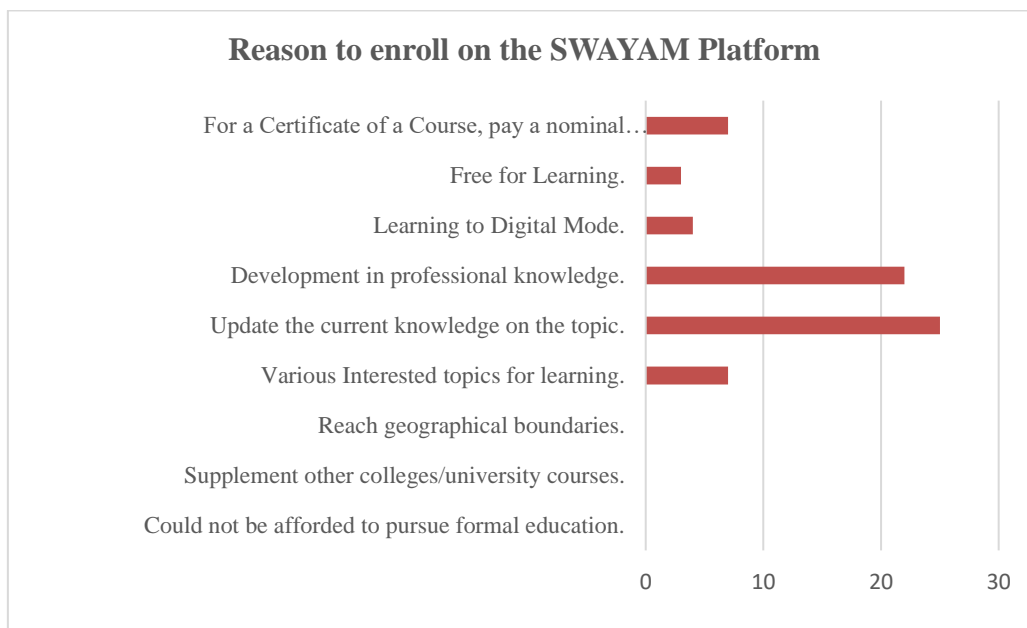
Graph 6 indicates that near 79% (107) of respondents are aware about the SWAYAM e-learning Indigenous platform only 20% (27) are not aware about the Indigenous platform of e-learning and 1% (02) respondents are not sure that they are aware or not.

**Graph 7 Enrollment on SWAYAM**



Graph 07 indicates that enrollment and non-enrollment on SWAYAM platform is 50% (68). It means the awareness of enrollment on SWAYAM need to be increases.

**Graph 8**



Above graph 8 reveals that out of 136 respondents only 68 respondent enroll in SWAYAM out of 68 response 25 was join the Update the current knowledge on the topic and 22 was enroll for Development in professional knowledge. It means that near 70% (47) respondent enroll in SWAYAM for the up-gradation of new knowledge in the field of LIS and develop their professional knowledge for the disseminating to the patrons of the libraries. From all 68 respondents 07 each enrolled the course forcertification and interested topic learning.04 and 03 responses respectively for learning to digital mode and free of learning.

**Table 1** Courses Enrollment in the year 2022

S.N.	Name of course/Courses Title	Start Date	End Date	Responses
1	Digital Library	03-Jan-22	04-Mar-22	0
2	BLI-221: Library Information and Society	01-Feb-22		4
3	BLI-222: Information Sources and Library Services	01-Feb-22		0
4	BLI 223: Organizing and Managing Information	01-Feb-22		12
5	BLI 224: ICT Fundamental	01-Feb-22		0
6	BLI-225: Communication Skills (Library Information Science)	01-Feb-22		0
7	BLIE-226 Management of Library and Information Centre	01-Feb-22		0
8	BLIE-227: Document Processing Practice	01-Feb-22		0
9	BLIE-228: Information Product and Services	01-Feb-22		6
10	BLIE-229: ICT in Libraries	01-Feb-22		2
11	BLI-011: Libraries: An Introduction	01-Feb-22		4
12	BLII-012: Document Processing and Organization	01-Feb-22		0
13	BLII-013: Information Sources and Library Services	01-Feb-22		0
14	BLII-014: ICT in Libraries	01-Feb-22		0
15	Library Automation and Digitization	01-Feb-22		2
16	Database and Contain Organization	01-Feb-22		0
17	Digital Library	04-July-22		0
18	BLI-011: Libraries: An Introduction	15-July-22		0
19	BLI-221: Library Information and Society	15-July-22		0
20	BLI-222: Information Sources and Library Services	15-July-22		0
21	BLI 223: Organizing and Managing Information	15-July-22		6
22	BLI 224: ICT Fundamental	15-July-22		0
23	BLI-225: Communication Skills	15-July-22		0
24	BLIE-226 Management of Library and Information Centre	15-July-22		2
25	BLIE-227: Document Processing Practice	15-July-22		0
26	BLIE-228: Information Product and Services	15-July-22		2
27	BLIE-229: ICT in Libraries	15-July-22		6
28	BLII-012: Document Processing and Organization	15-July-22		0
29	BLII-013: Information Sources and Library Services	15-July-22		0
30	BLII-014: ICT in Libraries	15-July-22		0
31	Database and Contain Organization	15-July-22		2
32	Library Automation and Digitization	15-July-22		18
	<b>Total Responses</b>			<b>56</b>

From the table 1, In the year 2022, 56 responses received from that 18 was enroll to the library automation and digitization (15 July 22) course, 12 was admitted in Organizing and Managing information (01 Feb 22), 06 responses each to Information product and services (01 Feb 22), Organizing and Managing information (15 July 22), ICT in Libraries (15 July 22) It means LIS professionals enroll technological support courses as compare that theoretical course.

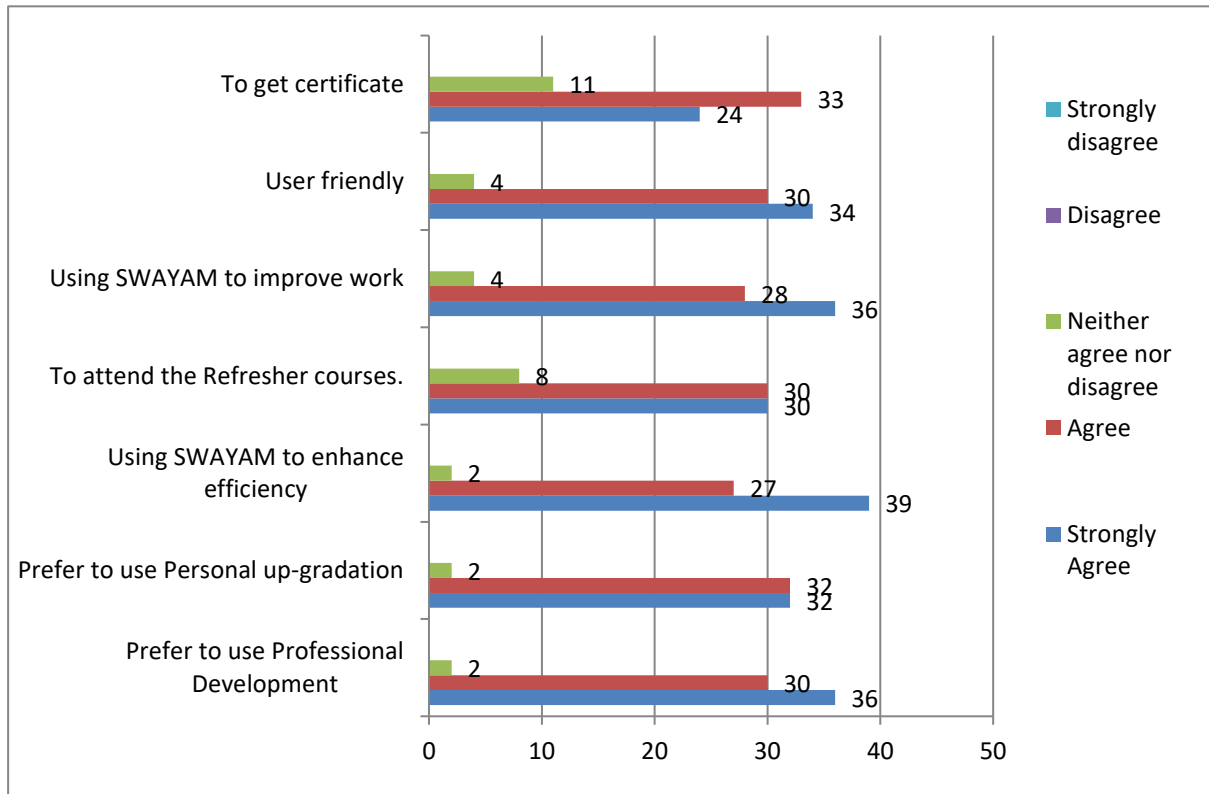


**Table No. 2** Courses Enrollment in the year 2023

S.N.	Name of course/Courses Title	Start Date	End Date	Responses
1	Digital Library	23-Jan-23		2
2	BLI-221: Library Information and Society	30-Jan-23		0
3	BLIE-226 Management of Library and Information Centre	30-Jan-23		6
4	BLIE-227: Document Processing Practice	30-Jan-23		4
5	BLI-225: Communication Skills (Library Information Science)	30-Jan-23		4
6	BLIE-228: Information Product and Services	30-Jan-23		0
7	BLII-012: Document Processing and Organization	30-Jan-23		2
8	BLI-011: Libraries an introduction	30-Jan-23		0
9	BLI-222: Information Source and Services	30-Jan-23		2
10	BLI-223: Organizing and managing Information	30-Jan-23		6
11	BLI-224: ICT fundamentals	30-Jan-23		0
12	BLII-014: ICT in Libraries	30-Jan-23		0
13	Database and Contain Organization	30-Jan-23		0
14	Library Automation and Digitization	30-Jan-23		2
15	Digital Library	24-Jul-23	20-Nov-23	22
16	BLI-221: Library Information and Society	31-Jul-23		0
17	BLI-225: Communication Skills (Library Information Science)	31-Jul-23		4
18	BLII-013: Information Sources and Library Services	31-Jul-23		0
19	Library Automation and Digitization	31-Jul-23		12
20	BLIE-226 Management of Library and Information Centre	31-Jul-23		0
21	BLIE-227: Document Processing Practice	31-Jul-23		0
22	BLIE-228: Information Product and Services	31-Jul-23		0
23	BLIE-229: ICT in Libraries	31-Jul-23		0
24	BLII-012: Document Processing and Organization	31-Jul-23		6
25	BLII-013: Information Sources and Library Services	31-Jul-23		2
26	BLII-229: ICT in Libraries	31-Jul-23		4
27	Database and Contain Organization	31-Jul-23		0
28	BLI-011: Libraries an introduction	31-Jul-23		0
29	BLI-222: Information Source and Services	31-Jul-23		0
30	BLI-223: Organizing and managing Information	31-Jul-23		2
31	BLI-224: ICT fundamentals	31-Jul-23		0
32	BLII-014: ICT in Libraries	31-Jul-23		0
	<b>Total Responses</b>			<b>80</b>

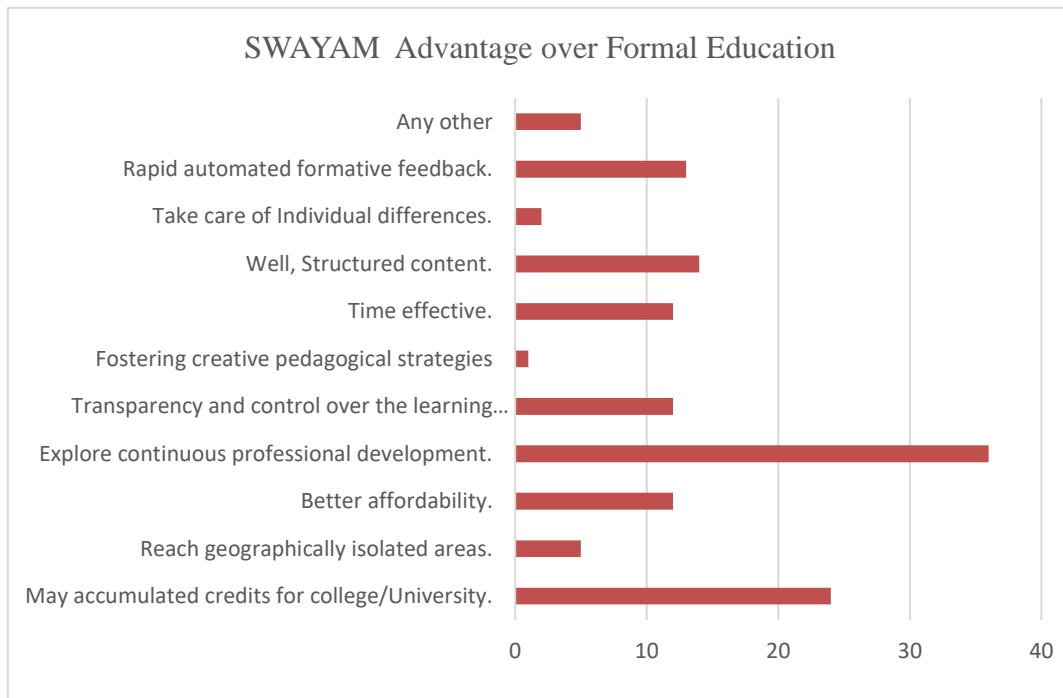
Analysis of table 2 find that in the year 2021 only ICT base courses enrollment from the LIS professional Digital library (24 July 23 to 20 Nov 23) enrolled 22 respondent, Library Automation and Digitization (31 July 23) enrolled 12 professionals, 06 each from Management of Library and Information Center (30 Jan 23), Organizing and Managing Information (30 Jan 23), and Library Automation and Digitization (31 July 23). It means library professionals curious about learning the new technologies to apply in library. They are eager to learn the technological base courses how to digitize the library and then how to manage the recourses in this digitized environment.

**Graph 9 Attitude for using SWAYAM**



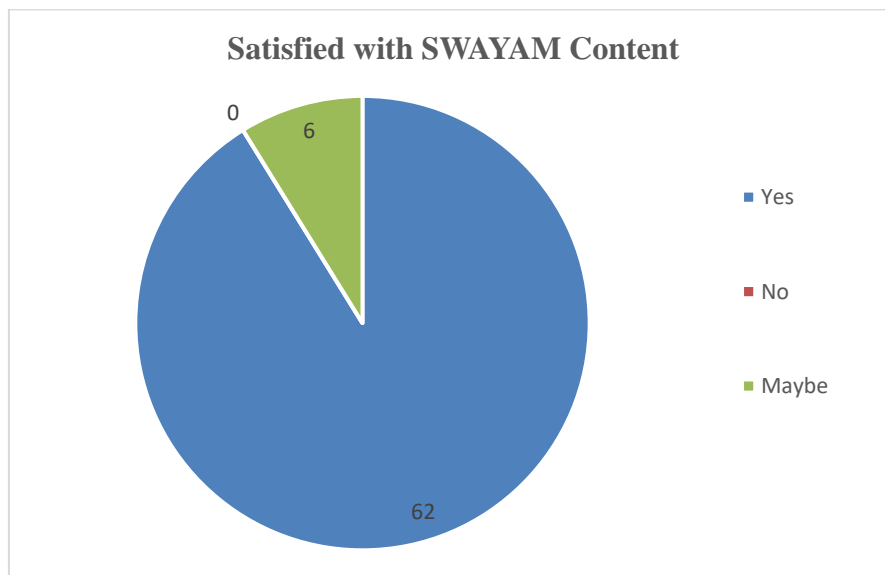
From graph 9 it is indicated that 90% of respondents strongly agree or agree to assumptions which we put for them that is 1) Prefer to use Professional Development 2) Prefer to use Personal up-gradation 3) Using SWAYAM to enhance efficiency 4) To attend the Refresher courses. 5) Using SWAYAM to improve work. 6) User friendly but in case of to get certificate, 11 respondents neither agree or not disagree to this assumption. It means all the respondents positively used the SWAYAM platform in their teaching and learning process and also in profession development.

**Graph 10**



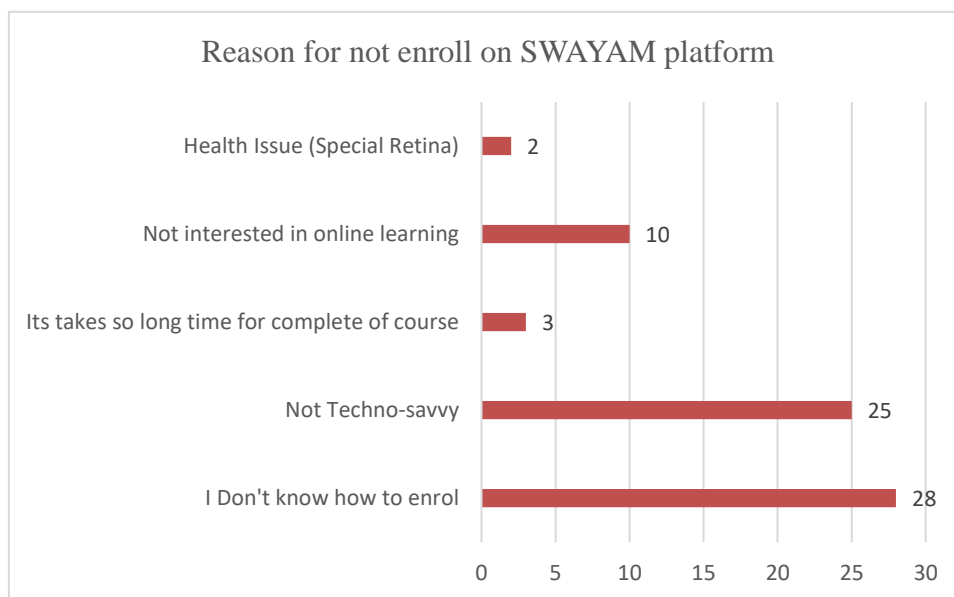
Graph 10 indicates that 36 respondents said that explores continuous professional development. 24 respondents said that it is related to new education policy as accumulated credit for college/University level. 14 respondents said that SWAYAM has well structured content to achieve the goal of course. Rapid automated formative feedback, Time effective, Transparency and control over the leaning and better affordability all this four advantages have same (12) responses. From that graph we said that we can explore our professional knowledge through SWAYAM platform without disturbing the regular works and get credits from that course too.

**Graph 11**



Graph 11 shows that out of enrolled 68 respondents 91% (62) respondent satisfied with contends and 09% (6) said that they confused that satisfied or not which is available on SWAYAM platform. From that we say it is popular day by day.

**Graph 12**



From 136 responses nearly 50% (68) respondent not use the SWAYAM platform nor enroll on themselves on it, when researcher ask the reason 28 respondents not aware about how to enroll on it. 25 respondents not techno-savvy to used it. 10 respondents refuse the online learning. 03 respondents not enroll themselves because it takes too much time to complete the course and 02 have retina problem to saw a screen of mobile or desktop.

## 11. SUGGESTIONS

- I) Course regarding school library will be increases.
- II) Descriptive questions answers system introduces while for exam and assignment.
- III) Education through mother tongue is required.
- IV) Make one Orientation lecture for how to enroll and use the courses on SWAYAM platform.
- V) Many professionals suggest that short duration courses needed.
- VI) Swayam must improve its mobile application and make it more user friendly.
- VII) Technical training should be there to all rural and non-technosavvy student as well as professionals
- VIII) Assignments and Quiz's recognition system should improve.

## 12. FINDINGS

From the above study researcher find some facts those are mention below

- I) 46% respondents 30-40 age groups it means junior professional also use the SWAYAM platform to adopted the new tools and techniques.
- II) Mostly Use of SWAYAM platform by college librarian, awareness needed among the other supportive staff of the library and library profession.
- III) From 136 respondents 93 respondents have average 07 year of experience in LIS field.
- IV) 85% of respondent aware about MOOC and 78% of aware about Indian MOOC platform SWAYAM. But out of that 78% only 50% of respondents enroll themselves on SWAYAM platform.
- V) 25 respondents were joining the SWAYAM for development in professional knowledge and 22 were enrolled for updating the current knowledge on the topic.
- VI) Study period 2022-2023 only ICT base courses enrollment by the LIS professional rather than theoretical education.
- VII) Attitude of respondents positively used the SWAYAM platform and their professional development.
- VIII) Respondent explore their professional knowledge through SWAYAM platform without disturbing the regular works and get credits from that course too.
- IX) 91% respondents satisfied with the content which is available on SWAYAM platform.
- X) 28 respondents not aware about how to enroll on SWAYAM platform and 25 not techno savvy.

## 13. CONCLUSION

The study takes on SWAYAM awareness among LIS professionals in Mumbai University. SWAYAM platform provide a great opportunity of e- learning not only LIS professionals but also to all subject professionals. Every educational institute should have separate arrangement for the students who want to learn from these courses. The recent development in telecommunication sector the access to internet has become very much cheap so the learner can take benefit of this development. Marketing of SWAYAM platform its use and its importance in every corner of the India and make easily available on offline mode on mobile base platform, because rural and tribal are still far away from the internet and smart phone.

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