Studies on Awareness of E-Learning and Virtual Leraning Methods Among the Students of Degree Colleges Vijayapura District (Karnataka)

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Abstract—**Purpose: To study about awareness of E-Learning and Virtual learning and its online courses like (MOOCs) Massive open online courses, and their platforms like (SWAYM) Study Web of Active-Learning for Young Aspiring Minds**
Methodology: The primary data was collected from the respondents in degree colleges by using questionnaire. The sample of this study covers 270 out of 300 were selected (students) of the regular departments viz, B. A, B.COM, B.Sc Government colleges in vijayapur district,and data were analysed using simple mean method.
Findings: The present status is found that most of students just aware about online courses but not go through the practically so enhance the learning experience by using in order to ensure best quality content are produced and delivered, and know online courses more comfortable learning environment
Originality/value: This study awareness and motivate to students of online courses towards the Govt. degree colleges vijaypura district. Government should be taken to development of degree college libraries ICT infrastructure and well-trained librarian recruit of the libraries organize professional development programs workshop for librarians to acquire and/or enhance online courses.

Index Terms—**Method of E-Learning, Virtual learning students of Degree Colleges**

I. INTRODUCTION

Now days libraries have plays important roles to developing/ enhansing many online courses, providing these courses for professionals, faculty, and students across academic institutions, among one of them is the online free E-learning is SWAYAM it is Indian platforms for Massive Open Online Courses (MOOCs) accessible for anyone to enroll. Online courses provide through the libraries and information centres students with access and convenience, Geographical barriers are no longer a barrier, as an individual can access quality education from the comfort of their libraries. Courses are available to a vast and diverse and across the globe, Learners' performance can be monitored easily using the data captured during the start of courses, both professors and learners get world-wide exposure, thus improving educational techniques and knowledge sharing, that can be used as a tool in a blended learning program, where students can access more information than what is provided in the class. MOOCs provide an affordable and flexible way to learn new skills, advance your career and deliver quality educational experiences at scale. Millions of users around the world use MOOCs to learn for a variety of reasons, including: changing careers, career development, supplemental learning, lifelong learning, corporate E-Learning & training, and more. MOOCs, are online courses that allow participants free access and unrestricted participation in any course of their choice, besides the conventional modes of teaching such as lectures, videos, and reading material.MOOCs also provide a platform for interactive forums.

A. MOOCs are further divided into two categories – cMOOCs and xMOOCs
1. cMOOCs are MOOCs that allow for dynamic development of study material. That is, instead of having a pre-planned set of reading materials and courseware, the material will be developed through online discussions and collaborations among learners taking the course across the globe.
2. xMOOCs, on the other hand, believe in the conventional approach where the courses are

well-structured with pre-selected reading and reference materials.

II. REVIEW OF LITERATURE

Kanjilal, Uma.Kaul, Pradeep (2016). Ministry of Human Resource Development, Government of India has started on a major initiative called 'Study Webs of Active Learning for Young Aspiring Minds' (SWAYAM), to provide an integrated platform and portal for online courses, High School and skill sector covering all higher education, courses. SWAYAM is an indigenous (Made in India) IT Platform for hosting the Massive Open Online Courses (MOOCs). Under the 'Digital India' Initiative of Government of India, one of the thrust areas is 'Massive Online Open Courses (MOOCs)'. To improve Gross Enrollment Ratio (GER), from 20% at present to 30% by 2020 SWAYAM promises to be a possible solution with a capacity to revolutionise the education system in India. The journey of SWAYAM can be traced back to 2003 with the initiation of the NPTEL (National Programme on Technology Enhanced Learning), a joint programme of IITs and IISc. This was the first major attempt in E-learning in the country through online Web and Video courses in Engineering, Science and humanities streams. The launch of the National Mission on Education through ICT (NMEICT) in February 2009 further broadened the scope catering to all disciplines in the Higher Education sector. As on date under the NMEICT huge amount of e-content have been generated which are available under the CCBY- SA license. NPTEL has developed e-content for 933 Courses, Consortium of Educational Communication (CEC) for Undergraduate subjects in 67 Subjects, University Grants Commission (UGC) in 77 Post Graduate subjects. Similarly, many other institutions have developed e-content in different disciplines at different level. Under the SWAYAM initiative all the contents developed under NMEICT are being repurposed and being made MOOCs compliant. The Beta version of SWAYAM was made live on August 15, 2016.

Milheim and Bannan-Ritland, (2001). The World Wide Web (WWW) has become a global, powerful, interactive, dynamic, economic and democratic medium for teaching and learning at a distance. Faculties, Students and Employees at all levels of these institutions are being encouraged to participate in online learning activities. The Web supports open learning because it is platform, distance and time independent. It allows the creation of learning environments that are flexible for learners. Web appropriate for the design and development of online learning courses. These advantages include: the delivery of courses on most operating systems and computers; instant distribution of the instructional content to an unlimited number of world-wide students with no required time or expense for duplicating, packaging, or mailing of materials; affordable technology that does not require costly new hardware or software and there is no problem with room capacity, or the number of available tutors. Potkonjak, Jara, Rojko, and Vivar (2008-2010) Virtual Learning Environments (VLE) besides supporting online delivery of content also support e-mail, newsgroups, and bulletin boards. These VLEs evolved into managed learning environments (MLE) that also provision for notice-boards, chat rooms, whiteboards, and other web tools online assessment, Here research works showing that a number of institutions have created their own virtual and remote laboratories to support long-term learning and autonomous students' learning activities in various disciplines including chemistry, physics, electronics and microelectronics, power electronics and electrical drives and control and automation.

III. OBJECTIVES OF THE STUDY

- To identify awareness of SWAYAM/MOOCs among the of students, of Degree colleges Vijayapur
- To identify the Locating and Accessing Online courses by the students of degree colleges.
- To identify Purpose of using Online courses by the student's degree colleges.
- To find out the difficulties faced by the students of Degree colleges while accessing and using online courses

IV. NEED FOR THE STUDY.

The study is undertaken to investigate the awareness about the SWAYAM, (Study webs of Active-Learning for Young Aspiring Minds) MOOCS (A

massive open online course) Online courses among the students of the Degree colleges. The study population is basically involved students require constantly update their existing knowledge in their respective fields. Information available in different form and structure as there is enormous information available in the from all the resources and remote corner of the world. Thus, present study will be carried out to find out awareness about online learning/virtual learning degree colleges in Vijayapur.

V. SCOPE OF THE STUDY:

The study mainly focuses awareness level of online courses of students of degree colleges like SWAYAM, /MOOCs. The sample of this study covers 270 out of 300 viz, B.A, B.COM, B.Sc.

VI. METHODOLOGY

This study covers the students of degree colleges Vijayapura Karnataka. It covers three departments B. A, B.COM, B.Sc questionnaire shall be devised according the objective and available literature on the

topic based. Further appropriate sampling technique was adopted for selection of the sample. Later structure questionnaire was distributed among the student of degree colleges.

VII. ANALYSIS AND INTERPRETATION OF THE DATA

The analysis and interpretation of data collected through the questionnaires distributed to the users' students of degree colleges was tabulated and analyzed according to the objectives stated.

Table-1: Gender wise distribution of the respondents

Sl.no	Gender	No of respondent	Percent (%)
1	Male	134	49.62
2	Female	136	50.37
	Total	270	100.0

Table 1: gives the Gender-wise distribution of the respondents, it's shows that of the 270 respondents 134 (49.62%) are and male, 136 (50.37%) are female.

Table-2: Department wise distribution of the respondents

Sl.no	Department	No of respondents	Percent (%)
1	B. A	99	36.67
2	B.COM	89	32.96
3	B.Sc	82	30.37
	Total	270	100%

Shown in table-2, department's wise respondent has taken for study, B.A 99 (36.67%), B.COM 89 (32.96%), B.Sc.82 (30.37) respectively.

Table-3: Awareness of SWAYAM / MOOC online-courses

Sl no	Option	No of respondents	Percent (%)
1	Yes	177	65.56
2	No	93	34.44
	Total	270	100.0

Table-3: Shows that 177(65.56%) out of 270 students of degree college's awareness about the SWAYAM/MOOC onlie-courses and 93(34.44%) still they don't know.

Table-4: Locating and Accessing Online Courses

Sl no	Places	No of respondents	Percent (%)
1	Department	50	18.51%
2	Library	126	46.67%
3	Internet Centre	59	21.85%

| 4 | Home | 35 | 12.96% |
| | Total | 270 | 100% |

The table-4: show that the majority respondent 126 (46.67%) indicate that they Locating and Accessing online courses by Library, and second 59 (21.85%) by internet Centre, 50 (18.51%) by Department, finally some respondent access through the 35 (12.96%) home respectively.

Table-5: Purpose of Using MOOCs

The above Table-5, reveals that purpose of using online courses maximum respondent 93 (34.44%) More

Sl no	Statements	Respondents	(%)
1	More comfortable learning environment	93	34.44
2	Geographically flexibility	25	9.25
3	Group communication	44	16.29
4	Improve technical skills	38	14.00
5	Less expensive/free of cost	46	17.00
6	does not know	24	8.89
	Total	270	100%

comfortable learning environment, the next place is 46 (17%) Less expensive/free of cost, 44 (16.29%) group communication, 38 (14%) Improve technical skills & 25(9.25%) Geographically flexibility, last one 24 (8.89%) does not know respectively.

Table-6: Problem faced while accessing online courses

Sl no	Problems	Respondents	Percent (%)
1	Lack of awareness about online courses	76	28.14%
2	Password is not known	49	18.14%
3	Access has been restricted to campus only	60	22.22%
4	Technical difficulties	40	14.81%
5	Isolation/lack of communication	28	10.37%
6	more theoretical than practical	17	6.29%
	Total	270	100%

The above table-6 shows that problem faced users while accessing the online courses. It can be inferred from the table majority of the respondent have mentioned that Lack of awareness about online courses 76 (28.14%), and Password is not known 49 (18.14%), while 60(22.22%) says Access has been restricted to campus only, and 40(14.81%) Technical difficulties, like that 28 (10.37%) Isolation /lack of communication, and 17(6.29%) says it is more theoretical than practical respectively.

VIII. CONCLUSION

Most of the students spends most of time to search related books and spend more money to purchase the textbooks and course material but not in case of virtual/online courses they get resources in easily spend less money and more free time, also Accessibility, Regularly Updated Content, Budget-Friendly, Individual Learning Styles, Mobility, Self-Paced Learning, the Solution to Teacher Scarcity, Customizable Learning Environment. Another reason students in an online program can take the course they want and complete the coursework at a time that is most convenient for them includes learning certificates and professional certifications to master's degrees or doctoral degrees. In E-learning resources of diverse types are made available to learners for download or for online study. As a result, students not only gain knowledge from the coursework, but they also sharpen their time management skills, as a result, students not only gain knowledge from the coursework, but they also sharpen their time management skills and all regularly scheduled classroom time is replaced by required activities completed at distance and managed online. Hence SWAYAM one of the platform of MOOCs which offers free online courses to access to everyone take

benefit of it. This is especially beneficial for those who may not have access to traditional educational institutions or are unable to relocate for higher education.

REFERENCES

[1] Dabner, N. (2011). Design to support distance teacher education communities: A case study of a student–student e-mentoring initiative.Proceedings of Society for Information Technology and Teacher Education International Conference 2011. Nashville, TN: AACE 1-880094-84-3., 2011.

[2] Kalay, Yehuda E. (2004) Virtual Learning Environments. ITcon Vol.9.

[3] Kanjilal Uma and Kaul, Pradeep. (2016) The journey of SWAYAM: India MOOCs initiative Conference Paper. Published November 2016 Conference 8th Pan-Commonwealth Forum on Open Learning (PCF8) Publisher Commonwealth of Learning (COL) Country India, Asia.

[4] Milheim, W.D. & Bannan-Ritland, B. (2001). Web-based training: Current status and future potential. In B.H. Khan (Ed.) Web-based training. Educational Technology Publications. https://play.google.com/store/books/details?id=bfKmplYXrFIC

[5] Orna Uden, (2003) Stafford, UK An Engineering Approach for Online Learning. Staffordshire University, Journal of Distance Education Technologies, 1(1), 83-97, Jan200383. (https://www.researchgate. net/publication /220233070 _An_ Engineer ring _Approach for_Online Learning).

[6] https://www.iare.ac.in/?q=basicpage/mooc-courses-through-aicte-swayam-mehttps://drexel.du/soe/resources/student-teaching/advice/benefits-of-online-andvirtual-learning/. https://oedb.org.

[7] www.indiaeducatuin.net.

[8] https://www.infoprolearning.com/blog/advantages-and-disadvantages-of-moocs-massive-open-online-courses-for-learning/