



**ORIGINAL RESEARCH PAPER**

**Engineering**

**STUDY OF E-LEARNING TOOLS AND ITS IMPACT ON MCA STUDENTS**

**KEY WORDS:** E-learning, internet, synchronous, asynchronous, student

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**ABSTRACT**

In the era of computer and internet (ICT) computer based teaching-learning have brought many changes in the field of education. Different tools of e-learning can be used as per the requirement which provides flexibility to deliver the study material in online environment. It is possible to assess and evaluate of students performance in online environment from any remote place either in synchronous or asynchronous mode. In the classes students are from different level of understanding and grasping power. But with the help of e-learning tools lectures, notes, videos can be downloaded and student can use or repeat these materials accordingly. The present paper focuses two major issues i.e. 1) Concept of E-learning 2) Use and Impact of E-learning tools on MCA students.

**INTRODUCTION :**

E-learning is a combination of learning services and technology to provide high value integrated learning, anytime, anyplace. E-learning is one of the thrust areas that use computer tools and communication tools, media, etc. It integrates E-learning methodology and conventional class room methods. E-learning tries to maximize the benefits flowing from the educational system and increase its reach to more learners at local or distant level. E-learning can be done with computer, laptop, notepad, mobile devices. In online environment student and teacher can communicate or deliver training course from anyplace, anytime.

Marc Rosenberg (2001) confines elearning to the internet as "The use of internet technologies to deliver a broad array of solutions that enhance knowledge and performance. It is based upon three fundamental criteria i.e. 1) networked 2) delivered to the end-user via a computer using standard internet technology 3) focuses on the broadest view of learning".<sup>[2]</sup>

According to Bonk and Reynolds (1997), to promote higher order thinking on the Web, online learning must create challenging activities that enable learners to link new information to old, acquire meaningful knowledge, and use their metacognitive abilities; hence, it is the instructional strategy and not the technology that influences the quality of learning.<sup>[4]</sup>

**Tools of E-learning :** Some of useful e-learning tools

- 1) Chatting
- 2) Digital boards
- 3) Virtual class room
- 4) Video Conference
- 5) Online Exam
- 6) Online Teaching
- 7) Sharable content object reference model (SCORM)
- 8) Website

**Objectives of the study:**

1. To understand and find out use of e-learning by MCA students.
2. To find out impact of e-learning tools of MCA students in their studies.

**Research Methodology:**

In the present study MCA students are the respondents are taken from AICTE approved institutes/colleges from Khandesh Region (Jalgaon, Dhule, Nandurbar districts) of Maharashtra state. Simple random sampling is used. Through questionnaire primary data has been collected from 100 respondents which explore overall utilization of e-learning tools at professional level MCA programme and helps to assess and find impact of the same.

**Data Tables:**

**Table 1: "Rate the following E-learning tools as per your usages"**

Sno	Options	Ratings (0 to 5)
1	E-tutorial websites	5
2	YouTube	5
3	Digital boards	3
4	Video Conferencing	3
5	Online Exam	4
6	Chatting	2
7	Download video lectures	5
8	Download Notes	5
9	Solving Subject wise MCQS Online	5
10	Virtual learning	2
11	Websites like Swayam, MOOC, NPTEL	3
<b>Total Score</b>		<b>42</b>

**Table 2: "How does e-learning helps in your learning skills & exams results?"**

Response				Total	%
Outstanding	Good	Average	Poor		
41	54	5	0	100	100.00

**Table 3: "Would you recommend e-learning to others?"**

Response	Yes	No
	100	0

**Findings:**

Findings are drawn on the basis of primary data collection from the MCA students of Khandesh Region who are pursuing MCA degree programme from AICTE approved colleges. Questionnaire was tuned as per the objectives of the study which collects opinions of the respondents about e-learning tools, its uses subject learning aspects and helps to assess overall impact of e-learning phenomenon in their academics.

- 1) Respondents were asked to rate the use of e-learning tools on the scale of 0 to 5 on certain parameters like YouTube, e-tutorial websites, video conferencing, online exam, etc. The maximum score can be 50 and obtained score is 42. It shows that students are using e-learning material through different techniques or tools in their subject learning. It is giving them additional benefits along with the regular teaching classes.
- 2) Respondents are also agreed that not only these tools helping them to lift their learning skills but it are also giving good result in the examinations. These e-learning tools can be used from any remote places 24x7. It provides flexibility for the students.
- 3) On the outset all the respondents have agreed to recommend e-learning phenomenon to other students as well.
- 4) All the respondents have shown their interest and positive impact of e-learning tools in their academics.

**REFERENCE:**

1. C.Xavier, "Web Technology & Design", New Age International Publication.
2. P.P. Sing, Sandir Sharma, "E-Learning New Trends and Innovations", Deep & Deep Publications, 2005.
3. Dr. CR Kothari, "Research Methodology: Methods and Techniques", New Age Publishers.
4. [http://www.iadl.org.uk/res/forms/ebook\\_spring2006.pdf](http://www.iadl.org.uk/res/forms/ebook_spring2006.pdf)
5. <https://meity.gov.in/content/e-learning>
6. <https://mhrd.gov.in/e-contents>