

A Review Paper on E-Learning Methodologies, Tools and Rise of Adaptability Innovative Digital Learning in COVID19

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Abstract: E-learning is best platform to gather knowledge and education through internet transformation. E-learning has implemented world of education and the adaptability of educators drastically increases due to digital learning also in COVID -19 pandemics. This paper overview on synchronous and asynchronous learning environments to allow any time learning model also discuss effective E-learning methods and explain the type of content to which each is best suited for right training strategy. This paper discussed on E-learning is an implementation of electronic media for a variety of learning purposes to facilitate the delivery of distance education, online learning or blended learning which includes distance education, blended learning, hybrid learning, online learning. The main focus of paper is e-learning methodologies and e-learning tools. E-learning is revolutionary way to empower workforce with the skill and knowledge discussed with this paper also overview on e-learning tools used for knowledge managements and application of digital learning increases in pandemic period of COVID19.

Keywords: E-Learning, Methodologies, Tools, Knowledge Managements, Digital Learning

I. INTRODUCTION

E-Learning has a vast amount of uses across all sectors of society and educational field which is important explosion propelled by the internet transformation. E-learning has been implemented world of education. The adaptability of educators drastically increases due to digital learning. There were no needs for attendance at a physical location whenever course meetings virtual and facilities to listen pre-recorded lectures. To facilitate the delivery of distance education and blended learning are implementation of E-learning using electronic media. There are many terminologies regarding the e-learning which includes distance education, blended learning, hybrid learning, online learning etc. [1] Digital learning that you can undertake wherever you are offers countless advantages if you have a busy professional life. Effective E-learning methods of online programs are provided to society in open access medium. E-learning by synchronous and asynchronous methods have been benefited to students. [2] E-learning possible using electronic information and communications technologies (ICTs) which delivered content methods are computer-based operation, video conferencing and audio conferencing, internet worldwide websites and computer assisted instruction and systematized feedback system. [3]. Applications of E-learning are digital collaboration, Web-based learning, computer based and virtual classroom. Internet-Based training is when content is delivered via the Internet, intranet/extranet, audio or video tape, satellite TV and CDROM. E-learning is not only about training and instruction but also about learning that is tailored to individual. [3,4].

II. E-LEARNING CATEGORIES

2.1 Synchronous and Asynchronous Learning

E-Learning methods can basically be divided into synchronous and asynchronous formats. Any time and in any location learning possible, Where learning can be undertaken, it is known as asynchronous learning. However, synchronous learning as digital learning formats occasionally require participants to be present at least at the same time in other words, live session