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A Comparative Study of Digital Classroom System for The Betterment of Education

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Abstract

With the changing (advancing) times, it is very much needed to adopt new methodologies of teaching by bringing about changes in the methods of teaching. Besides all other fields the world over, in the educational field also, it is needed to bring about developments in the quality of education by making use of digital tools (techniques). The teaching process would be much more effective if the teachers in all the schools make use of digital tools. Just as we are making increased use of digital tools and equipments such as computers, smart TVs, mobiles, laptops in our day-to-day lives, similarly, it would be much more advisable if we make the opportunities of respectively learning and teaching to the students and teachers through the use of these digital tools and techniques, it would certainly leave a very positive impact on their work (on the learning-teaching process). In today's fast-paced world, it would be much advisable to save the labour and time in the learning - teaching process by using the digital tools and techniques.

For this purpose, under the Rapid Advanced Educational Program, the Government of Maharashtra has put forth suggestions for making all schools of the state digital, making all teachers techno-savvy and to prepare e-content on all the concepts in the syllabus. Hence, in the current research paper, an attempt has been made to make a research as to in what method the implementation is being done as regards to the traditional teaching methods and digital teaching. Moreover, in the current research paper, a comparative study has also been made on the impact digital classroom has left on learning-teaching process.

Introduction

In our modern times, it has been found that the use of digital tools is necessary even in our educational field (as this use is being done in all the other fields of life)-right from primary education in order to bring about educational development of students in the learning-teaching process. Also, it is found that both - the teachers and students are very much inclined and interested to use these digital tools. Hence, we also think that the learning - teaching process would be much more effective if these digital tools and instruments are made use of in this process of education. It is accepted that changes in any field would bring both positive and negative outcomes and even when we accept that there would be some limitations to the use of digital classroom in the educational field, even then it would be necessary to face the fact that digital learning process has become the need of the hour.

Digital classroom is a modern technology which assists both the teachers and the students in the learning process. Digital classroom means the technique in which the teachers make use of various digital tools /instruments

and techniques in teaching and students in learning process. The teachers and students use digital tools and information technology in order to make the task of teaching-learning effective and in order to make clear a number of abstract concepts. Digital education is nothing but making a novel use of digital tools (equipments and instruments) during the process of learning-teaching (University of Edinburgh). The teacher makes a presentation of educational programs by making the use of such digital tools (equipments) such as smart TV, projectors and mobiles. (Ref. -Letter No. 2016/Chapter No. 202/SD 6 of the Govt. of Maharashtra, dated 09/01/2017).

During the modern times, many changes are brought about into learning and teaching methodologies and techniques and they have also been accepted well and are being made use with the changing times. In the recent times, the digital classroom method is being used extensively - especially during the recent Corona '19 times, the use of these digital tools is being done widely not only in urban areas but also in rural areas in the teaching process.

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