

**Prof. N.V. Narule: Computer in Education An Important Step towards**

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# Computer in Education

## An Important Step towards Technology

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### Abstract :

Computers are the most empowering tools to be used in almost all areas of today's technological world. They're tools of creativity, communication and can be used according to user need for various purposes. Computers are widely used in education also; no one can challenge the use of computers in education. The Information and Communication tools developed for teaching and learning process helps a lot in changing traditional teaching methods and improving learning ability of a students. Many tools have been developed for teachers and students, which are very useful to easily develop a knowledge and understanding with technical skills. The development of various such a tools and the advancements in the use of computer makes students an individualized learner. This research paper aims to discuss various such tools, so as to create more awareness among teachers and students. The goal is to explain various uses of computer in education. Also to discuss various new technologies and educational tools developed to increase the use of computer in education. This paper also focuses on various areas of education where computers are beneficial.

### Keywords :

History, Information and Communication Technology, Computer Assisted Instructions, 21<sup>st</sup> century and education.

### Introduction :

Education is the backbone of everyone's life; without education it is not possible to survive in today's competitive environment. But to compete with today's technological environment only studying and learning particular subjects as in traditional education is not sufficient. Technology has expanded in such a way that no one is free from using it. Hence, various improvements have been made to improve the course material of traditional education system, due to which a complexity in education is increased, a lot. Using traditional teaching and learning methods it is not possible to remove this complexity. Hence various researches have been made to improve the teaching methods, which started to use computers in classrooms to enhance traditional methods. As computers are very useful and powerful, its increased demand leads frequent use of computer resources within schools and colleges.

All educational institutes from high schools to every field of education have started to use computers to train students. The computer technology has expanded from instructional delivery medium to an integral part of the learning environment. Computers in school are used to teach the students and to provide them a drill and practice by increasing sophisticated digital content. It is used to provide simulations and real world experience so that students can develop their cognitive thinking and extend learning.

Computers provide a key ingredient that was lacking in all the previous tools that raised high expectations when introduced in the educational system like "individualized