



## Impact of Technology on Teaching and learning

*(Prof. (Dr.) Y.P.Singh)*

---

*Director, KLS Institute of Engineering & Technology, Chandok, Bijnor U.P.  
Affiliated to Mahamaya Technical University, C-22, Sector-62, Noida, U.P. Email: ypsingh10@rediffmail.com, 9810516527, 9758803500*



(Prof. (Dr.) Y.P.Singh)

Director, KLS Institute of Engineering & Technology, Chandok, Bijnor U.P.  
Affiliated to Mahamaya Technical University, C-22, Sector-62, Noida, U.P. Email: ypsingh10@rediffmail.com,  
9810516527, 9758803500

With the advent of technology, life becomes more imperative and lean towards more effective learning. Teaching and learning is a continuous and life long process .with implementation of ICT enabled services in the teaching and learning process in our institutions sooner or later we will in the front line of the globe for effective and skillful learning. We believe in excellence in education through constant evolution and continuous innovations in the teaching –learning process. World is changing and evolving fast, during the 21<sup>st</sup> century changes in the ICT sector have been unprecedented. one have to pace with need of modern society and its changing face.The main aim for deploying the ICT is to empower children and teachers to matchup to the demand of the modern society.

By implementation of ICT supported learning in class rooms, younger scholars are introduced to a realm of opportunities, wherein they can explore and study. We must believe and act from traditional chalk and talk methods. Which will prepare and provide the winning edge to both our children and teachers? Furthermore it saves times as technology aided classrooms provide quick solutions, simulated lectures, question bank on variety of topics. All of our children and teachers are tech savvy and comfortable in meeting the challenges of outside world. By implementing the latest tool and gadgets. Children can create different robots and study important concept of Science, Technology,

engineering and mathematics. It also has led to pronounced and heightened academic standards and has brought about 15-20 percent enhancement in the performance of students.

The Impact of the ICT based teaching and learning may be limitless, moreover few of the impacts are listed below.

1. Developing the proactive, independent and active learning for learners
2. Upswing in reading skills, group work and better comprehension of context.
3. Building of Higher Order Thinking Skills. (HOTS)
4. Improved technology enabled tracking of student's performance, participation and progress.
5. Development of writing skills, improvement in the matrix of spelling, grammar as well as fluency in English.
6. ICT enabled teaching process has become multi sensory and more effective, leading to high academic standards in every grade.
7. Higher quality lessons prepared through greater collaboration between teachers in planning and preparing resources.
8. Catering to multiple intelligences of the students.
9. ICT enabled teaching and learning have a big impact on learning of weak and remedial students
10. Erratic pronunciation is rectified and communicative competencies improved in the School's language lab, which has special module wherein students can listen to an expert voice and record their own voice.
11. ICT enabled tailored teaching, customized to students, varied learning specifications and individual differences.
12. Increase in student's levels of motivation, sense of self-confidence and self-sufficiency.
13. In Computer labs and ICT enabled the students learn to use the latest tools of technology and newest software programmes.
14. ICT based learning leads a great impact on learning and skill development

Based on the above cited impact, as on today we should have a serious thought promote for implementation of the ICT based learning tools and gadgets. Beside ICT learning leads towards the activity based learning, which basically and psychologically make learning more effective and helps to develop the skill to solve the daily learning problems.

I wish all my readers, learners, researcher, innovators and all who are in partnering or associated in one way or other to make significant contribution in ICT enabled services for learning and teaching, for the sake of nation. Let India should shine sooner or later.

**About the author:** Prof. Y.P. Singh, currently working as Director, KLS Institute of Engg.& Technology, Chandok, Bijnor U.P. has also worked about 27 years as Lecturer, Dean of academics & Principal in many Engineering institutions and organization. He has also served with Training and Technical Deptt. Govt. Of Delhi, almost for 17 years. He has about 33 research paper published in National and 22 papers published in international journals in his credit. He has been  
Copyright © IJSER.org

selected and awarded by Govt. of Delhi as “Best Technical Teacher-2004”.He is also an expert and Master Trainer for the Teachers, empanelled by SCERT/NCERT. He is also the guide of research scholar for almost dozen of Universities