

Introduction to IT-ITeS Industry

Class IX , Ch-1(IT #402)
Period 3

CHANGING YOUR TOMORROW

IT applications

- In technologically developed nations, Information Technology has become a part of everyday life. For a user, computer is a tool that provides the desired information, whenever needed.
- The use of computer and Information Technology can be observed at home, workplace, in the modern service industry and in all aspects of our life.



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IT in home computing

- A personal computer (PC) is used to work at home, to
- do household accounts, play games, surf the web, use e-mail, create music, and pursue a range of other hobbies.
- PC is also used to play games. It includes action games, role playing games, puzzles and many more.
- A PC with a CD-ROM drive, sound card, and speakers can play audio CD. A computer can be used from home to study a wide range of online training courses. Computers and digital devices are now used for online shopping and e-commerce



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IT in everyday life

- In our daily life, we use washing machines, microwave oven and many other products using which have embedded software.
- We can store all the information about our important work, appointments schedules and list of contacts in a computer.
- Computer is, therefore, playing a very important role in our lives and now we cannot imagine the world without computers.



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IT in library

- Nowadays many libraries are computerised. Each book has a barcode associated with it. This makes it easier for the library to keep track of books and the availability of a specific book.
- Computer software is used to issue and return the book.
- Each book in the library has a magnetic strip attached to it that is deactivated before the book can be borrowed



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IT at workplace

- In the office environment, computers and computer applications are used to perform office work more effectively.
- In assembly-line industries, where attention to detail, speed and efficiency are important, automation is becoming more and more common.



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IT in Education

- Computers and Information Technology are extensively used in education for teaching-learning and assessment.
- The software and hardware technologies used for creation and transmission of information in various forms including still pictures, audio, video and animation to the learners.
- The learning becomes easy and accessible through IT. A lot of teaching resources are available for teachers to teach in a better way.
- Online assessment helps to assess the students without any biasness.
- The students, teachers and educational administrators and every stakeholder in the education sector has benefitted with the integration of IT in education.



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(a) ICT in the classroom

There are many ways in which the ICT is used for education in the classroom, such as

- e-learning classrooms;
- smart-board presentations;
- videos on experiments;
- creation of images and video;
- desktop publishing of magazines, letters and documents;
- educational games;
- learning using the CD-ROM media; and
- gathering educational information on the Internet.

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(b) Education — anywhere anytime

- Any student in India can access the NCERT book online
- through the website www.eathshala.nic.in or mobile app
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Apart from this there are a variety of websites and mobile apps to access educational resources on any topic. You can also contact a teacher or a trainer via Internet to use WBT (Web-based Training).

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- **(c) Teaching aids and media**

ICT is used mostly as a teaching aid in schools to

- use pictures, animations and audio-visuals to explain subjects that are difficult to explain.
- make the lessons interesting using presentations.
- organise lessons using the computer.
- obtain the information relevant to the subjects.

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- **(d) Learning Management System (LMS)**
- A Learning Management System (LMS) is being used by many countries to manage school systems. A student or teacher can register himself/herself on the official website to access LMS and can get many services from LMS. The student can be benefited by using LMS, as it can be used to
 - learn lessons anytime and anywhere.
 - submit queries, getting replies and submit comments through forums.
 - participate in the co-curricular activities via video.
 - monitor the progress of their children (by parents).

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Home Assignment

1. How IT is used in everyday life ?
2. How IT used in Home Computing ?
3. How IT used in Libraries ?
4. How IT used in different offices ?
5. How IT used in Education ?
6. How LMS works for students ?

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THANKING YOU

ODM EDUCATIONAL GROUP