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NORTH-EX PUBLIC SCHOOL
(Senior secondary, affiliated to CBSE)
School block, Jain Nagar, Sector-38, Rohini, Delhi-81
LESSON PLAN FOR CLASS X (COMPUTER APPLICATIONS)

**Note- Before reading about the topic you must check [this](#) link which will help you in understanding the topics.*

You can download this or if you do not have facility to get printout then you can ask your ward to copy it in a simple notebook and must do exercise in the notebook.

TOPIC: - Web Services with Worksheet 3

- 3. Video Conferencing:** It is a communication technology that integrates videos and audios to connect users anywhere in the world, as if they are in the same room. This term usually refers two-way communication between two or more users who are in at least two different locations, rather than one-to-one communication and it often includes multiple people at each location.



Video conferencing

Each user or group of users who are participating in a video conference typically must have a computer, a camera, a microphone, a video screen and a sound system. Basically, this is a system that allows you to conduct meetings or trainings in different places simultaneously. So, this technology is most popular in the field of business because it allows meetings or conferences to be held without the need for all the participants to travel to a single location and thus, it saves time and money. Many people can hear and see each other, share whiteboard, shares computer/laptop screens and other applications through video conferencing.

Advantages:

- a. It reduces your travel costs by working remotely and increases productivity through collaborative working.
- b. Many people can share their videos with each other at the same time.
- c. PowerPoint and other visual displays can be shared with everyone attending the conference at the same time.
- d. Virtual whiteboard allows people from different locations to add their own thoughts or ideas into one collaborative space.
- e. With more advanced services, a document can be changed and typed directly from other computers connected to the conference.

Disadvantages:

- a. In the middle of an important meeting, you may be disconnected at any time and have to wait to be reconnected.
- b. There is no substitute for a face-to-face meeting in getting to know someone.
- c. For a long time, video conferencing equipment have been expensive and out of the reach of smaller businesses.
- d. Senders and receivers must be online at the same time.

4. E-Learning (Electronic Learning):

It refers to an electronic mode of delivering learning, training or educational programs to users.

E-learning is the mode of acquiring knowledge by means of Internet and computer based training programs. E-learning can be done anywhere and at any time.



The modules of E-learning are designed to provide not only adequate and relevant information but also make learning highly engaging and interactive using multimedia. Broadly, E-learning is synonymous with Computer Based Instruction (CBI), Computer Based Training (CBT), Internet Based Training (IBT), Web Based Training (WBT) and online education. E-learning applications and processes include Web based learning, computer-based learning, virtual classrooms and digital collaboration. E-learning can be divided into the following categories:

- **Synchronous** – It means “at the same time,” interaction of participants with an instructor via the Web in a real-time.
- **Asynchronous** – It means “not at the same time.” It allows the participants to complete the Web based training at their own place, without live interaction with an instructor.

Advantages:

1. Class work can be scheduled around office and family.
2. Reduces travel time and travel costs for off-campus students.
3. Self-paced learning modules allow students to work at their own pace.
4. Learning can accommodate, different learning styles and facilitate learning through a variety of activities.
5. Develops knowledge of an Internet and computers skills that will help learners throughout their lives and careers.
6. Successfully completed online or computer based courses build self-knowledge and self-confidence and encourages students to take responsibility for their learning.

Disadvantages:

1. Without the routine structures of a traditional class, students may get lost or confused about course activities and deadlines.
2. Students may feel isolated from an instructor and classmates.
3. Instructor may not always be available when students are studying or need help.
4. Slow Internet connections or older computers may make accessing course materials frustrating.
5. Hands-on or lab work is difficult to simulate in a virtual classroom.

Worksheet 3

Attempt all questions in your Notebook:

- Q1) Write a short note on video conferencing.
- Q2) Write any two advantages & two disadvantages on video conferencing.
- Q3) What do you understand by E-Learning?
- Q4) Write any five advantages & four disadvantages of E-Learning.
- Q5) What is difference between Synchronous & Asynchronous E-Learning?