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<mark>Fundamentals of computers</mark>

Advantages of Computers

Following list demonstrates the advantages of computers in today's arena.

1.High Speed

• Computer is a very fast device.

• It is capable of performing calculation of very large amount of data.

• The computer has units of speed in microsecond, nanosecond, and even the picoseconds.

• It can perform millions of calculations in a few seconds as compared to man who will spend many months for doing the same task.

2.**Accuracy**

• In addition to being very fast, computers are very accurate.

• The calculations are 100% error free.

• Computers perform all jobs with 100% accuracy provided that correct input has been given.

3.**Storage Capability**

• Memory is a very important characteristic of computers.

• A computer has much more storage capacity than human beings.

• It can store large amount of data.

• It can store any type of data such as images, videos, text, audio and many others.

4. Diligence

• Unlike human beings, a computer is free from monotony, tiredness and lack of concentration.

• It can work continuously without any error and boredom.

• It can do repeated work with same speed and accuracy.

5. Versatility

• A computer is a very versatile machine.

• A computer is very flexible in performing the jobs to be done.

• This machine can be used to solve the problems related to various fields.

• At one instance, it may be solving a complex scientific problem and the very next moment it may be playing a card game.

6. Reliability

• A computer is a reliable machine.

• Modern electronic components have long lives.

• Computers are designed to make maintenance easy.

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7. Automation

• Computer is an automatic machine.

• Automation means ability to perform the given task automatically.

• Once a program is given to computer i.e., stored in computer memory, the program and instruction can control the program execution without human interaction.

8. Reduction in Paper Work

• The use of computers for data processing in an organization leads to reduction in paper work and results in speeding up a process.

• As data in electronic files can be retrieved as and when required, the problem of maintenance of large number of paper files gets reduced.

9. Reduction in Cost

• Though the initial investment for installing a computer is high but it substantially reduces the cost of each of its transaction.

Disadvantages of Computers

Following list demonstrates the disadvantages of computers in today's arena

1.No intelligence

• A computer is a machine that has no intelligence to perform any task.

• Each instruction has to be given to computer.

• A computer cannot take any decision on its own.

2. Dependency

•It functions as per a user's instruction, so it is fully dependent on human being

3. Environment

•The operating environment of computer should be dust free and suitable**.**

4. No Feeling

•Computers have no feelings or emotions.

.It cannot make judgment based on feeling, taste, experience, and knowledge unlike a human being.