

COMPUTER FUNDAMENTALS

Unit 5. Usage Of Computer in Various Domains.

Topics discussed

- Computer application in
 - Offices
 - Accounting
 - Airline and Railway reservations
 - Banks
 - Robotics
 - Artificial Intelligence

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• Usage of Computer in office :

→ Some important uses of computer in office are :-

(i) Word Processing : Preparation of word documents such as letters, reports, processing of work documents like financial reports, presentation of reports etc.

(ii) To keep track of company's expenses and earning.

(iii) for multimedia presentation

(iv) for video conferencing

(v) for maintaining attendance of employees

(vi) Communication : Using tools like Email, Skype, project management programs.

• Usage of Computer in Accounting :

→ Some important uses of computer in accounting are :-

(i) Financial accounting : Computer can be used to replace mundane aspects of 'book-keeper's work' or 'writing up' the books of accounts.

(ii) Management accounting : Computers helps to provide up-to-date information which is very valuable in area of analysis and decision-making.

(iii) Reporting : Computer provide easy accounting and reporting. Errors can be easily identified, corrected and can re-run programs in minutes.

(iv) Payroll : Complex calculations like taxes, salaries can be done by computer error free.

(v) Security : Computer allow secure access of accounting information by several security measures.

• Usage of Computer in Airline and Railway reservations

→ following are some usage of computer in ticket reservations :-

- (i) Computer are used in booking counters where each computer is connected through a common network, computer help in reservation and cancellation of tickets.
- (ii) Helps in keeping record of flights arrival and departure also schedule availability and fare position of train as well as airline.
- (iii) Computer help in keeping records of all passengers.
- (iv) Computers are used to control the traffic.

• Usage of Computer in Banking

→ Application of computer in banking are :-

- (i) Banks use computer to maintain account and transaction.
- (ii) Computers help in keeping track of cash.
- (iii) Online banking is used all over the world that has helped in saving time and provided ease of work. Customers are not required to go to bank's branch.
- (iv) Computers are used in bank for storing information about different account holders.

→ Benefits of online banking :-

- (a) Anytime and anywhere banking.
- (b) Reduction in cost of transaction.
- (c) Bills can be paid online
- (d) Online purchase.
- (e) Easy to make utility payment
- (v) Computers performs task of credit and debit card, withdrawing money with the help of ATM, providing security, issuing monthly or yearly account statements to customers.

Usage of Computer in Robotics

→ Computer help in controlling robots by:-

(a) Control → computer control robots.

(b) Learning → computers take input from robot and help them to learn and adapt to new condition.

→ Without computer, robot cannot work as all programmings that are needed for robots are performed by computer.

Usage of Computer in Artificial Intelligence

→ Artificial Intelligence is considered as a branch of computer science.

→ Computer help in performing all sorts of calculations, learning, programming and other sorts of work.

Assignment

Q) (i) List the uses of computer in education.

(ii) Write short note on uses of online banking.

(iii) Write advantages of computer in ticket reservation.

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