

## **Applications of Computers**

Computers have been employed in almost all spheres of human activity. They have taken over the repetitive work in storage of data, processing and retrieval of information from different fields. They have been identified as follows:

*In Industry*, computers have taken over the tasks of designing and manufacture. This is referred to as computer aided design (CAD) and computer aided manufacture (CAM). Numerically controlled machines and computer-managed systems have brought in a virtual revolution in automation.

*In Banks and Post Offices*, computers are employed to process cheques, count notes, handle bills and maintain records of all withdrawals, deposits, transfers, etc.

*In Railways and Airways*, computers are used to make seat reservations in trains and flights as also cancellations, alterations, etc. Up-to-date status of reservations is instantly displayed.

*In Schools and Colleges*, computers keep student records of attendance, performance in tests, fees, scholarship, etc. Computers are being used for instruction.

*In Warehouses and Stores*, computers maintain constant record of all supplies and consumptions, indicate shortfalls and monitor procurement, etc.

*In Medicine and Healthcare*, computers maintain records of patients and medicines as also help diagnose. For example, computerised blood test can result in all the desired information within minutes.

*In Science and Technology*, computers are used to analyse problems as also to design systems with any degree of complexity. Most systems are designed and simulation studies are conducted either on computers or in laboratories before their large-scale fabrication.

*In Art and Culture*, computers play a role of creating colour graphics, patterns and pictures as also create a range of music to simulate musical instruments.

*In Architecture*, newer designs of buildings and other structures are prepared and different views are examined before selecting a design.