

# Gurukul

## HI-TECH COMPUTER

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## Computer - Generations

Generation in computer terminology is a change in technology a computer is/was being used. Initially, the generation term was used to distinguish between varying hardware technologies. Nowadays, generation includes both hardware and software, which together make up an entire computer system.

There are five computer generations known till date. Each generation has been discussed in detail along with their time period and characteristics. In the following table, approximate dates against each generation has been mentioned, which are normally accepted.

Following are the main five generations of computers.

S.No	Generation & Description
1	<u>First Generation</u> The period of first generation: 1944-1954. Vacuum tube based.
2	<u>Second Generation</u> The period of second generation: 1955-1964. Transistor based.
3	<u>Third Generation</u> The period of third generation: 1965-1974. Integrated Circuit based.
4	<u>Fourth Generation</u> The period of fourth generation: 1975-1989. VLSI microprocessor based.
5	<u>Fifth Generation</u> The period of fifth generation: 1990-onwards. ULSI microprocessor based.