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Generations of Compute

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1-FIRST GENERATION:

- Introduction:

1- 1946-1959 is the period of first generation computer.

2-J.P.Eckert and J.W.Mauchy invented the first successful electronic computer called ENIAC, ENIAC stands for “Electronic Numeric Integrated And Calculator”.

- Few Examples are:

1. ENIAC
2. EDVAC
3. UNIVAC
4. IBM-701
5. IBM-650

2-SECOND GENERATION

- Introduction:

1. 1959-1965 is the period of second-generation computer.

2. Second generation computers were based on Transistor instead of vacuum tubes.

- Few Examples are:

1. Honeywell 400
- 2- IBM 7094
- 3- CDC 1604

4- CDC 3600

5- UNIVAC 1108

3-THIRD GENERATION

- Introduction:

1- 1965-1971 is the period of third generation computer.

2- These computers were based on Integrated circuits.

3- IC was invented by Robert Noyce and Jack Kilby In 1958-1959.

4- IC was a single component containing number of transistors.

- Few Examples are:

1- PDP-8

2- PDP-11

3- ICL 2900

4- IBM 360

5- IBM 370

4-FOURTH GENERATION

- Introduction:

1- 1971-1980 is the period of fourth generation computer.

2- This technology is based on Microprocessor.

3- A microprocessor is used in a computer for any logical and arithmetic function to be performed in any program.

4- Graphics User Interface (GUI) technology was exploited to offer more comfort to users.

- Few Examples are:

1- IBM 4341

2- DEC 10

3- STAR 1000

4- PUP 11

5- FIFTH GENERATION

- Introduction:

1- The period of the fifth generation in 1980-onwards.

2- This generation is based on artificial intelligence.

3- The aim of the fifth generation is to make a device which could respond to natural language input and are capable of learning and self-organization.

4- This generation is based on ULSI(Ultra Large Scale Integration) technology resulting in the production of microprocessor chips having ten million electronic component.

- Few Examples are:

1- Desktop

2- Laptop

3- NoteBook

4- UltraBook

5- Chromeboo