

COMPUTER - FIFTH GENERATION

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The period of fifth generation is 1980-till date. In the fifth generation, the VLSI technology became ULSI *UltraLargeScaleIntegration* technology, resulting in the production of microprocessor chips having ten million electronic components. This generation is based on parallel processing hardware and AI *ArtificialIntelligence* software. AI is an emerging branch in computer science, which interprets means and method of making computers think like human beings. All the high-level languages like C and C++, Java, .Net etc., are used in this generation.

AI includes:

- Robotics
- Neural Networks
- Game Playing
- Development of expert systems to make decisions in real life situations.
- Natural language understanding and generation.



The main features of fifth generation are:

- ULSI technology
- Development of true artificial intelligence
- Development of Natural language processing
- Advancement in Parallel Processing
- Advancement in Superconductor technology
- More user friendly interfaces with multimedia features
- Availability of very powerful and compact computers at cheaper rates

Some computer types of this generation are:

- Desktop
- Laptop

- Notebook
- UltraBook
- ChromeBook

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