Microprocessors and Micro controllers
CSE3815

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April 2024

Evolution of Microprocessors

There should be overview chart of difference between intel 4004 to pentium 4.

Microprocessors:

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'-->Is a semiconductor device consisting of electronics logic circuit.
'--->Manufactured by using various fabrication schemes.
'---->Capable of performing computing functions.
'----->Capable of transporting data/information.

Can be divided into 3 segments:
    (-)Arithmetic adn logic unit
    (-)Registers unit
    (-)Control unit
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Von Neumann Machine:

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Von Neumann machine may refer to: Von Neumann architecture, a conceptual model
of nearly all computer architecture

Three key concepts:
(-)Data and instructions are stored in a single set of read-write memory.
(-)Contents of memory are accessed by memory address without regard to the type
    of data.
(-)Execution occurs in a sequential fashion, unless explicitly stated otherwise.
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