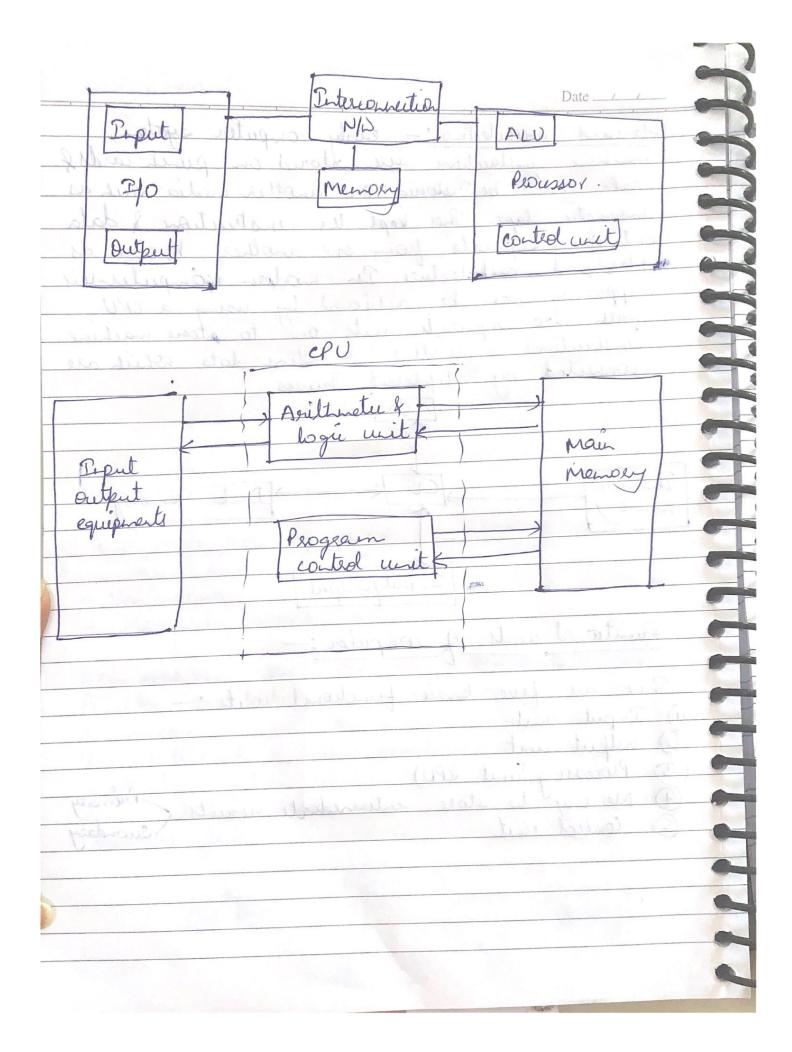
Computer Organization & Architecture (KCS-302) Unit -1: - Introduction: Functional units of digital System & their interconnections, buses, bus arribitenting bus arbitration, Register, bus & henory transfer Prouss organization, general Register organization, stack organization and addressing modes computer organization & Architecture Anchi tecture + Organization Aguhitectuse defines notat wheleas organization defines how. computer architecture is a blue print design & implementation of computer computer organization is how operational parts of a computer system are liked. Basic functioning of computer: Computer thulusal function computer Data Plocessing Data storage (3) controls above there justions conteol control

Pate_ control Data Processing storage 4 main structured components Flo interconnections zystem - che structural components - control unit - Arithmetic & logic cu Registers che interconnections

Computer Architecturer	Compute Date Pregarization
Describes what the computer does	describes how it does it
a CA deals with functional	co deals with
Delaviou of computer system.	structured relationship.
3) It deals with high level	It deals with low
3) It deals with high level design issues	It deals with low level design issues
Aerehitecture indicates its hardware.	4 Et indécates ets
3 Also called instruction set architecture.	Also called nice -
architecture ! I am !!	architecture
	23777y
Our confuses togetal functions	consists of physical units like circuit disign, phelipheral of address.
oregisters data types and	Junes like arout disign,
6 comprises logical functions such as instruction sets, negisters, data types and addressing modes.	principalist of actives
	dila beauti
1 Cordinates you the hard wase &	handles the segments
gra of the system	of n/w in a system.
29 jutel V26	Charles aubiterina
Jarliterture 8066, 80186, 80284	Wall I want of
10 10 10 10 10 10 10 10 10 10 10 10 10 1	Pital sedudina
- 1BM system /370 share sam	che de de mun
basii stricture	
- code compatibility exists backsbeds	
- Pentrum & seleson Shall same subitedice b/w	
different organization.	719

Software architecture Marchael computer Organization lowel. & computer architectures The basic type & computer is stored peogram concept is - Von neumann aerlitectures Harvard architecture architectuse Von- humann Vonstoge ustrutions & Voh- weumann spealing and common bus CPO Memor

architecture - carry computer ine instruction were Stored stoned etic tape. This kept the y separate from one wald architecture. achieved to store data wh by different ALU WIN Input/output Puntional units five basic funtional units Input unit Processing unit (CPV)
Memory to store intermediate results
Control unit



Peripheral devine Compute control unit Sequeren control information blu devices. A other components is used to locate the device to commands. The address Rypically, a bus consist of multiple lines wheih are either in the form of wires

metal lines and each line is capable of lines in lly 16, 20, 24 or more dependir not possible carries Rat 185 devices