

PNS SCHOOL OF ENGINEERING AND TECHNOLOGY, MARSHAGHAI
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
LESSON PLAN

BRANCH : COMPUTER SCIENCE AND ENGINEERING	SEMESTER : 3RD	NAME OF THE TEACHING FACULTY : ER . JAYASHREE BISHOI
SUBJECT : COMPUTER SYSTEM ARCHITECTURE	NO. OF DAYS PER WEEK CLASS ALLOTTED : 05	SEMESTER FROM DATE : 01.08.2023 TO 30.11.2023
CHAPTER	week	DATE
Basic structure of computer hardware	1ST	1st Introduction to computer system Architecture
		2nd Basic Structure of computer hardware
		3rd
		4th Functional Units
		5th Computer components
	2nd	1st Performance measures
		2nd Memory addressing & Operations
		3rd Doubt clearing class
		4th Chapter -1 Revision
		5th Fundamentals to instructions
Instructions & instruction Sequencing	3rd	1st Operands
		2nd Op Codes
		3rd Instruction formats
		4th Addressing Modes
		5th Assignment
	4th	1st Register Files
		2nd Complete instruction execution
		3rd Fetch
		4th Decode
		5th Execution
Processor System	5th	1st Hardware control
		2nd Micro program control
		3rd Doubt clearing class
		4th Chapter-2 and Chapter -3 Revision
		5th Assignment
	6th	1st Class test
		2nd Memory characteristics
		3rd Memory hierarchy
		4th RAM and ROM organization
		5th Interleaved Memory
Memory System	1st	Cache memory

Input – Output System	7th	2nd	Virtual memory
		3rd	Input - Output Interface
		4th	Modes of Data transfer
		5th	Programmed I/O Transfer
	8th	1st	Interrupt driven I/O
		2nd	DMA
		3rd	I/O Processor
		4th	Class test
		5th	Doubt clearing class
	9th	1st	Assignment
		2nd	Bus and System Bus
		3rd	Types of System Bus
		4th	Data
		5th	Address
I/O Interface & Bus architecture	10th	1st	Bus Structure
		2nd	Class test
		3rd	Basic Parameters of Bus design
		4th	SCSI
		5th	USB
Parallel Processing	11th	1st	Doubt clearing class
		2nd	Revision
		3rd	Parallel Processing
		4th	Linear Pipeline
		5th	Multiprocessor
	12th	1st	Flynn's Classification
		2nd	Doubt clearing class
		3rd	Previous year question Discussion
		4th	Revision
		5th	Previous year question Discussion

Sayashree Bishnoi

Biswaranjan Swain

SIGNATURE OF TEACHER

SIGNATURE OF HOD