

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	TOPIC TO BE COVERED
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
Processor System	4th	1st	Register Files
		2nd	Complete instruction execution
		3rd	Fetch
		4th	Decode
		5th	Execution
	5th	1st	Hardware control
		2nd	Micro program control
		3rd	Doubt clearing class
		4th	Chapter-2 and Chapter -3 Revision
		5th	Assignment
Memory System	6th	1st	Class test
		2nd	Memory characteristics
		3rd	Memory hierarchy
		4th	RAM and ROM organization
		5th	Interleaved Memory
		1st	Cache memory

Input – Output System	7th	2nd	Virtual memory
		3rd	Input - Output Interface
		4th	Modes of Data transfer
		5th	Programmed I/O Transfer
		1st	Interrupt driven I/O
I/O Interface & Bus architecture	8th	2nd	DMA
		3rd	I/O Processor
		4th	Class test
		5th	Doubt clearing class
		1st	Assignment
	9th	2nd	Bus and System Bus
		3rd	Types of System Bus
		4th	Data
		5th	Address
	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 Disscution
		4th	Revision
		5th	Previous year question Disscution

Jayashree Bishei

SIGNATURE OF TEACHER

Biswanjan Swain

SIGNATURE OF HOD