PNS School of Engg. & Tech, Marshaghai, Kendrapara LESSON PLAN Session (2024-2025)			
Discipline: Computer Science & Engineering		**Semester-3rd**	**Name of the faculty:** Jayashree Bishoi
Subject: COMPUTER SYSTEM ARCHITECTURE**(Th-1)**		**No. of Days/week: 04**	**Start Date: 01/07/2024** **End Date: 08/11/2024**
Week	**Class Day**	**Theory Topics**	
1st	1st	**1.Basic structure of computer hardware**	
	2nd	Basic Structure of computer hardware Introduction	
	3rd	Functional Units	
	4th	Computer components	
2nd	1st	Memory addressing & Operations	
	2nd	Doubt clearing class & Question Answer Discussion	
	3rd	**2.Instructions & instruction Sequencing**	
	4th	Fundamentals to instructions	
3rd	1st	Operands	
	2nd	OpCodes	
	3rd	Instruction formats	
	4th	Addressing Modes	
4th	1st	**3.Processor System**	
	2nd	Register Files	
	3rd	Complete instruction execution	
	4th	Fetch,Decode,Execution	
5th	1st	Hardware controled Unit	
	2nd	Micro program controled Unit	
	3rd	Doubt clearing class	
	4th	**4.Memory System**	
6th	1st	Memory characteristics	
	2nd	Memory hierarchy	
	3rd	RAM and ROM organization	
	4th	Interleaved Memory	
	1st	Cache memory	

7th	2nd	Virtual memory
	3rd	Doubt clearing class
	4th	**5.Input – Output System**
8th	1st	Input Output Interface
	2nd	Modes of Data Transfer
	3rd	Programmed I/O Transfer
	4th	Interrupt driven I/O
9th	1st	DMA
	2nd	I/O Processor
	3rd	Revision
	4th	**6.I/O Interface & Bus architecture**
10th	1st	Bus and System Bus
	2nd	Types of System Bus
	3rd	Data,Address,Control
	4th	Bus Structure
11th	1st	Basic Parameters of Bus design
	2nd	SCSI,USB
	3rd	**7.Parallel Processing**
	4th	Linear Pipeline
12th	1st	Multiprocessor
	2nd	Flynn"s Classification
	3rd	Revision
	4th	Previous year question Disscution

Jayashree Bishoi

Biswaranjan Swain

SIGNATURE OF LECTURER `

SIGNATURE OF H.O.D