

LESSON PLAN

Discipline: Computer Science Engg.	Semester: Third(3 rd)	Name of the Faculty: Er Namita Sukla
Subject: Computer System Architecture	No. of days/week class allotted: Four(4)	Semester from Date: 15.09.22 to Date: 22.12.22 No. of Weeks: 15
WEEK	CLASS DAY	THEORY TOPICS
1 st	1 st	Basic Structure of computer hardware
	2 nd	Functional Units
	3 rd	Cont..
	4 th	Computer components
2 nd	1 st	Performance measures
	2 nd	Memory addressing Memory Operations
	3 rd	Review Class
	4 th	Fundamentals to instructions Operands Op codes
3 rd	1 st	Instruction formats
	2 nd	Cont..
	3 rd	Cont..
	4 th	Addressing techniques
4 th	1 st	Addressing Modes
	2 nd	Continue...
	3 rd	Review Class
	4 th	Monthly Test
	1 st	Registers files
	2 nd	Complete instruction execution Fetch

5 th	3 rd	Decode Execution
	4 th	Hard wire control
6 th	1 st	Cont.
	2 nd	Microprogrammed control
	3 rd	Cont.
	4 th	Review Class
7 th	1 st	Monthly Test
	2 nd	Memory characteristics
	3 rd	Memory – hierarchy
	4 th	Cont..
8 th	1 st	Semiconductor RAM organization
	2 nd	Semiconductor ROM organization
	3 rd	Interleaved Memory
	4 th	Cache memory
9 th	1 st	Cont...
	2 nd	Virtual memory
	3 rd	Cont..
	4 th	Review Class
10 th	1 st	Monthly Test
	2 nd	Input-Output interface
	3 rd	Modes of data transfer
	4 th	Programmed I/O/Transfer
11 th	1 st	Interrupt driven i/o
	2 nd	Cont..
	3 rd	DMA

	4 th	Cont..
12 th	1 st	I/O Channel architecture
	2 nd	Review Class
	3 rd	Bus& system bus
	4 th	Types of system Bus – Data bus
13 th	1 st	Address bus
	2 nd	Control Bus
	3 rd	Bus Structure
	4 th	Basic parameter of Bus Design.
14 th	1 st	SCSI, USB
	2 nd	Review Class
	3 rd	Monthly Test
	4 th	Parallel Processing
15 th	1 st	Linear Pipeline
	2 nd	Multiprocessor
	3 rd	Flynn's Classification
	4 th	Review Class