

LESSONPLAN

Department:CSE		Semester:3 rd ,NameofFaculty:
Subject: Computer System Architecture (CSA)	No.of days/ week Class allotted: 4	Effective From Date:
		No. of Week-15
		Topic to be Covered:
Week	Class Day	Theory
1 st	1 st	UNIT1:BASICSTRUCTUREOFCOMPUTER HARDWARE
	2 nd	1.1BasicStructureofcomputerhardware
	3 rd	1.2FunctionalUnits
	4 th	1.3Computercomponents
2 nd	1 st	1.4Performancemeasures
	2 nd	1.5Memoryaddressing&Operations
	3 rd	1. DoubtClearingclass 2. Quiz test 3. Assignment
	4 th	UNIT2:INSTRUCTIONS&INSTRUCTIONSEQUENCING
3 rd	1 st	2.1Fundamentalstoinstructions
	2 nd	2.2Operands
	3 rd	2.3OP Codes
	4 th	2.4Instructionformats
4 th	1 st	2.5AddressingModes
	2 nd	1. DoubtClearingclass 2. Quiz test 3. Assignment
	3 rd	UNIT3:PROCESSORSYSTEM
	4 th	3.1RegisterFiles
5 th	1 st	3.2Completeinstruction execution • Fetch • Decode • Execution
	2 nd	3.3Hardwarecontrol
	3 rd	3.4Micro programcontrol
	4 th	1. DoubtClearingclass 2. Quiz test 3. Assignment
6 th	1 st	UNIT4:MEMORY SYSTEM
	2 nd	4.1Memory characteristics
	3 rd	4.2Memory hierarchy
	4 th	4.3RAMandROM organization
7 th	1 st	4.4Interleaved Memory
	2 nd	4.5Cachememory
	3 rd	4.6Virtualmemory
	4 th	1. DoubtClearingclass 2. Quiz test 3. Assignment

8th	1st	UNIT 5:INPUT–OUTPUT SYSTEM
	2nd	5.1 Input-OutputInterface
	3rd	5.2 Modesof Data transfer
	4th	5.3 ProgrammedI/OTransfer
9th	1st	5.4 InterruptdrivenI/O
	2nd	5.5 DMA
	3rd	5.6 I/O Processor
	4th	1. DoubtClearingclass 2. Quiz test 3. Assignment
10th	1st	UNIT 6:I/O INTERFACE&BUS ARCHITECTURE
	2nd	6.1 BusandSystemBus
	3rd	6.2 TypesofSystemBus <ul style="list-style-type: none"> • Data • Address • Control
	4th	BUS
11th	1st	6.3 BusStructure
	2nd	6.4 Basic ParametersofBusdesign
	3rd	6.5 SCSI
	4th	6.6 USB
12th	1st	1. DoubtClearingclass 2. Quiz test 3. Assignment
	2nd	UNIT7:PARALLELPROCESSING
	3rd	7.1 ParallelProcessing
	4th	7.2 LinearPipeline
13th	1st	7.3 Multiprocessor
	2nd	7.4 Flynn"s Classification
	3rd	<ul style="list-style-type: none"> • Flynn"sClassificationTypes
	4th	<ul style="list-style-type: none"> • SISD

Signature of Faculty

Lecture , CSE
ASIAN SCHOOL OF TECHNOLOGY,
KHORDHA