Lesson Plan

Name of the Faculty	ABHEY SINGH
Branch	Computer Engineering
Semester	4th
Subject	Computer Organisation
Lesson Plan Duration	16 Week

WEEK	Theory	
	Lecture Day	**Topic (Including Assignment and Test)**
1	1st	Introduction to H/W organization of computer system.
	2nd	CPU Organization : General Registers organization
	3rd	Concept of Stack Organization
	4th	Concept of Instruction Format and types of instruction
2	5th	Three Address instruction formats
	6th	Two Address instruction formats
	7th	One Address instruction formats
	8th	Zero Address instruction formats
3	9th	RISC instruction
	10th	Addressing Modes:Immediate,register,direct
	11th	Addressing Modes: indirect, relative, indexed
	12th	CPU Design
4	13th	Micro programmed controlled
	14th	Hard wired controlled
	15th	Revision & problems of unit1
	16th	Revision & problems of unit1
5	17th	RISC characteristics
	18th	CISC characteristics
	19th	CISC & RISC comparison
	20th	Memory Hierarchy
6	21st	RAM chip
	22nd	ROM chip
	23rd	TEST1
	24th	Test1 solution
7	25th	Memory address map
	26th	Memory connection to CPU

	27th	Auxiliary memory:
	28th	Magnetic tapes
8	29th	Magnetic tapes
	30th	Associative memory
	31st	Cache memory
	32nd	Virtual memory
9	33rd	Memory management h/w
	34th	Revision of unit2 & Problems
	35th	Revision of unit2 & Problems
	36th	Introduction to BIOS
10	37th	Function of BIOS
	38th	Testing and initialization
	39th	Configure the system
	40th	Modes of Data Transfer
11	41st	Programmed I/O
	42nd	Synchronous data transfer
	43rd	Asynchronous data transfer
	44th	Interrupt initiated data transfer
12	45th	Test2
	46th	Test2 solution
	47th	DMA data transfer
	48th	Revision of unit3 & problems
13	49th	Revision of unit3 & problems
	50th	Introduction to multiprocessor system
	51st	Form of parallel processing
	52nd	Pipelines
14	53rd	Pipelines
	54th	Basic characteristics of multiprocessor
	55th	General purpose multiprocessor
	56th	Interconnection networks
15	57th	Time shared common bus
	58th	Multi port memory
	59th	Cross bar switch
	60th	Multi stage switching networks
16	61st	Hyper cube structure
	62nd	Revision of unit 4 & Problems
	63rd	Revision of unit 4 & Problems
	64th	Test3