



SWAMI VIVEKANANDA SCHOOL OF ENGINEERING & TECHNOLOGY

LESSON PLAN (WINTER 2022)

Discipline- Computer Science & Engineering	Semester- 3rd	Faculty Name- Dillip Kumar Lenka
Subject- Computer System Architecture	No of days/ per week class allotted-5	Semester from date- 06.09.2022 to 21.01.2023 No of weeks-20
Week	Class day	Theory Topics
SEP 2ND	06-09-22	Basic Structure of computer hardware
	07-09-22	Functional units
	08-09-22	Functional units
	09-09-22	Computer Components
	10-09-22	Performance Measures
SEP 3RD	12-09-22	Memory Addressing
	13-09-22	Memory Operations
	14-09-22	Doubt clearing class of unit-1
	15-09-22	Class Test
	16-09-22	Instruction & Instruction Sequencing
SEP 4TH	19-09-22	Instruction & Instruction Sequencing
	20-09-22	Fundamentals to instructions
	21-09-22	Operands
	22-09-22	Opcodes
	23-09-22	Opcodes
	24-09-22	Instruction formats
	26-09-22	Addressing Modes
SEP 5TH	27-09-22	Doubt clearing class of unit-2
	28-09-22	class Test
	29-09-22	Processor System
	30-09-22	Register files
	OCT 1ST	06-10-22
07-10-22		Fetch
08-10-22		Decode
OCT 2ND	10-10-22	Execution
	11-10-22	Hardware control
	12-10-22	Hardware control
	13-10-22	Micro programme control
	14-10-22	Doubt clearing class unit-3
OCT 3RD	17-10-22	Memory System and Memory characteristics
	18-10-22	Memory hierarchy
	19-10-22	RAM organization
	20-10-22	ROM organization
	21-10-22	Interleaved Memory
	22-10-22	Interleaved Memory
OCT 4TH	24-10-22	Cache Memory
	26-10-22	Virtual Memory
	29-10-22	Doubt clearing class unit-4
NOV 1ST	01-11-22	class test
	02-11-22	Input - Output System
	03-11-22	Input - Output Interface
	04-11-22	Modes of Data transfer
	06-11-22	Programmed I/O transfer

NOV 2ND	08-11-22	Programmed I/O transfer
	09-11-22	Interrupt driven I/O
	10-11-22	DMA
	11-11-22	DMA
	12-11-22	I/O Processor
NOV 3RD	14-11-22	Doubt clearing class of unit-5
	17-11-22	class Test
	18-11-22	I/O Interface & Bus architecture
NOV 4TH	21-11-22	I/O Interface & Bus architecture
	23-11-22	Bus and System Bus
	24-09-22	Bus and System Bus
	25-11-22	Types of System Bus ,Data Bus
	26-11-22	Types of System Bus ,Data Bus
Nov 5th	29-11-22	Address Bus
DEC 1ST	01-12-22	Address Bus
	02-12-22	Control Bus
	03-12-22	Control Bus
DEC 2ND	05-12-22	Control Bus
	06-12-22	Bus Structure
	07-12-22	Bus Structure
	09-12-22	Basic parameters of Bus Design
	10-12-22	Basic parameters of Bus Design
DEC 3RD	12-12-22	SCSI
	13-12-22	SCSI
	15-12-22	USB
	16-12-22	USB
	17-12-22	Doubt clearing class of unit-6
DEC 4TH	20-12-22	Class Test
	21-12-22	Parallel Processing
	22-12-22	Parallel Processing
JAN 1ST	02-01-22	Linear PipeLine
	04-01-22	Linear PipeLine
	05-01-22	Multiprocessor
	07-01-22	Multiprocessor
JAN 2ND	09-01-22	Multiprocessor
	11-01-22	Flynn"s Classification
JAN 3RD	16-01-22	Flynn"s Classification
	18-01-22	Flynn"s Classification
	19-01-22	Doubt Clearing Class
	21-01-22	Class Test

Total no. of Classes: 83
 No. of Theory Classes: 66
 No. of Tutorial Classes: 5
 No. of Digital Classes: 5
 No. of PPT Classes: 7


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Computer Science & Engineering
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