Quantum University

Quantum School of Technology

Course / Topic wise Schedule of Teaching

Name of The Faculty :

Name of The Programme : **Diploma**

Name of The Paper : **Computer System Peripherals**

Year / Sem : **3**

Paper Code : **CS1304**

Session : **2022-23**

Section :

Unit	Topic	No. Lecture taken	Teaching Methodology	CO / Bloom	Start Date	Complete Date	Reading References
Unit-I	The basic principle of working of video monitors (CRT/TFT/LCD/LED)	0	N/A	CO1 / RE			1. ARM Assembly Language with Hardware Experiments by Ata Elahi and Trevor Arjeski
	video modes, Video display EGA/VGA/SVGA/PCI adapters and their architecture	0	N/A	CO1 / RE			1. ARM Assembly Language with Hardware Experiments by Ata Elahi and Trevor Arjeski
	Types and basic principle of working of wired	0	N/A	CO1 / AN			1. ARM Assembly Language with Hardware Experiments by Ata Elahi and Trevor Arjeski
	Types and basic principle of working of wireless key board	0	N/A	CO1 / AN			1. ARM Assembly Language with Hardware Experiments by Ata Elahi and Trevor Arjeski
	principle of working of optical/wireless mouse	0	N/A	CO1 / AN			2.Exploring Raspberry Pi: Interfacing to the Real World with Embedded Linux by Derek Molloy
	Working and principal of scan codes.	0	N/A	CO1 / UN			2.Exploring Raspberry Pi: Interfacing to the Real World with Embedded Linux by Derek Molloy
Unit-II	Features and working of hard disk drive	0	N/A	CO2 / UN			2.Exploring Raspberry Pi: Interfacing to the Real World with Embedded Linux by Derek Molloy
	Features and working of floppy disk drive	0	N/A	CO2 / UN			2.Exploring Raspberry Pi: Interfacing to the Real World with Embedded Linux by Derek Molloy

Unit-II	Feature of optical and DVD disk drives and CD writer	0	N/A	CO2 / AN			2.Exploring Raspberry Pi: Interfacing to the Real World with Embedded Linux by Derek Molloy
	Feature of Pen Drive	0	N/A	CO2 / RE			2.Exploring Raspberry Pi: Interfacing to the Real World with Embedded Linux by Derek Molloy
	Logical structure of disk and its organization	0	N/A	CO2 / UN			2.Exploring Raspberry Pi: Interfacing to the Real World with Embedded Linux by Derek Molloy
	Working of boot record, SSD, Working of SSD	0	N/A	CO2 / AP			2.Exploring Raspberry Pi: Interfacing to the Real World with Embedded Linux by Derek Molloy
Unit-III	Hub, Switches, Gateway	0	N/A	CO4 / UN			1. ARM Assembly Language with Hardware Experiments by Ata Elahi and Trevor Arjeski
Unit-IV	Study about Hub, Switches, Gateway	0	N/A	CO4 / UN			1. ARM Assembly Language with Hardware Experiments by Ata Elahi and Trevor Arjeski
	Study about Router, Bridge, Modem, Repeater	0	N/A	CO4 / UN			1. ARM Assembly Language with Hardware Experiments by Ata Elahi and Trevor Arjeski
	Study about Patch Panel, I/O Box, Patch Cord	0	N/A	CO4 / UN			1. ARM Assembly Language with Hardware Experiments by Ata Elahi and Trevor Arjeski
	Study about Access Point-Wireless access Point	0	N/A	CO4 / AN			1. ARM Assembly Language with Hardware Experiments by Ata Elahi and Trevor Arjeski
	Study about Lan wired card	0	N/A	CO4 / UN			1. ARM Assembly Language with Hardware Experiments by Ata Elahi and Trevor Arjeski
	Study about LAN card wireless	0	N/A	CO4 / UN			1. ARM Assembly Language with Hardware Experiments by Ata Elahi and Trevor Arjeski
Unit-V	SMPS, Constant voltage transformers	0	N/A	CO5 / AN			1. ARM Assembly Language with Hardware Experiments by Ata Elahi and Trevor Arjeski

Unit-V	Uninterruptible Power Supplies	0	N/A	CO5 / AN			1. ARM Assembly Language with Hardware Experiments by Ata Elahi and Trevor Arjeski
	Classification of UPS, On the basis of their output power	0	N/A	CO5 / AN			1. ARM Assembly Language with Hardware Experiments by Ata Elahi and Trevor Arjeski
	ON line UPS	0	N/A	CO5 / RE			1. ARM Assembly Language with Hardware Experiments by Ata Elahi and Trevor Arjeski
	OFF line UPS	0	N/A	CO5 / RE			1. ARM Assembly Language with Hardware Experiments by Ata Elahi and Trevor Arjeski
	Line interactive UPS	0	N/A	CO5 / UN			1. ARM Assembly Language with Hardware Experiments by Ata Elahi and Trevor Arjeski
	Electronic Generator, Comparison Among Three Types of UPS Systems	0	N/A	CO5 / UN			1. ARM Assembly Language with Hardware Experiments by Ata Elahi and Trevor Arjeski
	Selection of UPS, Important specifications of UPS	0	N/A	CO5 / UN			1. ARM Assembly Language with Hardware Experiments by Ata Elahi and Trevor Arjeski