



List of Research Equipments available in Information Technology

Department Name: INFORMATION TECHNOLOGY	
Equipment Name: Supermicro x86- 2U Rack DP Server Solution	
Specifications :	
<ul style="list-style-type: none">➤ 1x 2U Rack chassis 1600W Redundant Power Supplies Titanium Level (96%+)➤ 2x AMD EPYC 7252 3.1GHz/3.2GHz, 8C/16T, 64M Cache (120W) DDR4-3200➤ 4x 32GB DDR4-3200 ECC RDIMM Memory➤ 2x Enterprise Class 960GB SATA SSD 2.5"➤ 1x 8-port 12Gb/s SAS - RAID 0,1,10,5,6,50,6➤ 01x NVIDIA A100 40GB PCIe 4.0 Passive 250w GPU➤ 1x Dual-port 10Gbase-T with NC-SI, Intel X550No DVD Drive➤ 2x 8-Pin to 8-Pin Power Cable 1600W Redundant Power Supplies Titanium Level (96%+)	
Functions: This facility is used to create AI, machine learning, and deep learning algorithms for high-performance computing.	
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Equipment Name: Research Lab Equipments Details

Specifications :

S.No	Equipment Type	Name Of Particulars	Quantity
1	Desktop	Lenova Desktop M-72e, Intel i3-7100, DDR3-8GB Ram, 1TB SATA HDD, 19.5 LED Backlite Monitor. 104Key USB Monitor and optical Mouse	25
2	Printer	HP M1005 Multi function Laser Printer	01
3	Trainer kit	UE-GSM Mobile Communication Trainer & UE-Embedded Wireless Development Kit	02
4	Trainer kit	ZIGBEE Trainer Kit	05
5	Sensor	Temperature Sensor kit	05
6	Sensor	Gas Sensor Kit	05
7	Sensor	Water Level Sensor Kit	05
8	Extreme Network Switches	Extreme Summit 48Port 10/100/1000 Base-T Switch	03
9	IoT Development and Gateway based components	Ex. Arduino Nano, NODE-MCU, GSM 800L Mini	727
10	Add-on Board	Raspberry Pi	10
11	Sensors	Various types of sensors	45

Functions: Various sensors are used in the research lab. To carry out IoT-related tasks and research.

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