



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

## COMPUTER SCIENCE AND ENGINEERING

### Laboratory Equipment - Data Structures

This laboratory provides all hardware and software required to learn and develop programs for data structure creation and operations using python programming language. The configuration of hardware and software used details are as follows:

- 1. Server Configuration:** HP Proliant ML10, Form Factor: Micro ATX Tower (4U), Processor Series: Xeon E1220 V2 Product Family, Processor Sockets: 2, Max Memory Capacity: 8 GB DDR4, Max Storage Capacity: 1 TB HDD, Supports Intel C204 series chipset, Supported Power Supplies: 300W.
- 2. Operating System:** Microsoft – Windows 11 / Linux – UBUNTU.
- 3. Connectivity:** 1000Mbps internet and LAN connected to campus server.
- 4. Laboratory Equipment:**

S.No	Item	Make	Quantity	Cost per Unit (Rs.)	Total Cost (Rs.)
1	Desktop Computer Systems: M70C Intel core i5 - 10500 @ 3.10GHz / 16GB DDR3 RAM / 1TB SATA HDD / Keyboard and Mouse / 22" Monitor	LENOVO	36	34335	12,36,060
2	Software (Open Source): Python 3.10.4	-	36	-	-
3	Modular Computer Workstations		36	3200	1,15,200
4	Computer Chairs		36	900	32,400
5	Single I/O Outlets	D-Link	36	140	5,040
6	Patch Panel	D-Link	03	4250	12,750
7	Data Switches DES100 (48 port)	D-Link	01	12500	12,500
8	Data Switches - SG95 (24 port)	CISCO	01	6850	20,550
9	Hub Rack – 9U	-	01	4850	4,850
10	LCD Projector with 1 Screen and One Mount Kit	EPSON	01	32,000	32,000
11	Air Conditioner (1.5 ton)	Panasonic	2	32500	65,000
12	UPS - 20 KVA Capacity	Access	01	240000	2,40,000
<b>Total Cost</b>					<b>17,44,350</b>
<b>(In Words Rupees - Seventeen lakhs forty four thousand fifty only)</b>					

Date:

**HOD**  
**Computer Science and Engineering**