



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

COMPUTER SCIENCE AND ENGINEERING

Laboratory Equipment - Design and Analysis of Algorithms

This laboratory provides all hardware and software required to learn and implement design strategies and bounds on the performance of different computer algorithms 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 Mouse / 22" Monitor	LENOVO	36	34335	11,67,390
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	Air Conditioner (1.5 ton)	Panasonic	02	32500	65,000
7	LCD Projector with 1 Screen and One Mount Kit	EPSON	01	32,000	32,000
8	UPS - 20 KVA Capacity	Access	01	Sharing	
Total Cost					13,85,030
(In Words Rupees - Thirteen lakhs eighty five thousand thirty only)					

Date:

HOD
Computer Science and Engineering