



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

INFORMATION TECHNOLOGY

Lab Equipment Details - Cloud Computing Laboratory

This laboratory provides all hardware and software required to learn the cloud architecture and its efficiency, and tools to provide virtualization on cloud using VMware, Hadoop and Globus Tool Kit. The configuration of hardware and software used are detailed 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	Specification	Make	Quantity	Cost per Unit (Rs.)	Total Cost (Rs.)
1	Vostro 3268 Intel(R) Core i3-7100 3.90Ghz / 4GB DDR4- 2400Mhz / 1TB HDD / 18.5" Monitor	Dell	24	21,600	5,18,400
2	Software (Open Source): VMware vSphere	-	24	-	-
3	Software (Open Source): Hadoop 3.2.3	-	24	-	-
4	Software (Open Source): Globus Tool Kit	-	24	-	-
5	Modular Computer Workstations	-	36	3,200	1,15,200
6	Computer Chairs	-	24	900	30,600
7	Single I/O Outlets	D-link	24	140	3,360
8	Patch Panels	D-link	03	4,250	12,750
9	Data Switches sg-95	Cisco	03	6,850	20,550
10	Hub Rack – 9U	-	01	4,850	4,850
11	LCD Projector with 1 Screen and One Mount Kit	Casio	01	37,000	37,000
12	Air Conditioners	Panasonic	01	32,500	32,500
13	Uninterrupted Power Supply - 12 KVA Capacity (Shared With Lab no: 1110)	Access	01	-	-
Total Cost					7,75,210
(Rupees Seven Lakhs Seventy Five Thousand Two Hundred and Ten)					