



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

INFORMATION TECHNOLOGY

Lab Equipment Details - Big Data Analytics Laboratory

This laboratory provides all hardware and software required to learn and analysis the large data using Hadoop and VMware. The configuration of hardware and software used are detailed as follows:

- 1. Server Configuration:** Dell Optiplex ML10, Form Factor: Tower (4U), Processor Series: Intel Core i5-9500 Product Family, Processor Sockets: 2, Max Memory Capacity: 4 GB DDR4, Max Storage Capacity: 1 TB HDD, Supports Intel H370 series chipset, Supported Power Supplies: 360W.
- 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 BTX 3470 Intel(R) Core i3-8100 63.60Ghz / 4GB DDR4- 2300Mhz / 1TB HDD / 22" Monitor	Dell	24	24,750	5,94,000
2	Software (Open Source): Hadoop 3.2.3	-	24	-	-
3	Software (Open Source): VMware vSphere	-	24	-	-
4	Modular Computer Workstations	-	24	3,200	76,800
5	Computer Chairs	-	24	900	30,600
6	Single I/O Outlets	D-link	24	140	3,360
7	Patch Panels	D-link	02	4,250	8,500
8	Data Switches sg-95	Cisco	02	6,850	13,700
9	Hub Rack – 9U	-	01	4,850	4,850
10	LCD Projector with 1 Screen and One Mount Kit	Casio	01	37,000	37,000
11	Uninterrupted Power Supply – 7.5 KVA Capacity (Shared With Lab no: 1414)	Access	01	-	-
Total Cost					7,68,810
(Rupees Seven Lakhs Sixty Eight Thousand Eight Hundred and Ten)					

Date: 10-04-2022

HOD