INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

COMPUTER SCIENCE AND ENGINEERING

Laboratory Equipment - Web Application Development

This laboratory provides all hardware and software required to learn, design and develop interactive user interfaces in React framework. 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: Vostro 3902, Intel core i3-4150@3.50 GHz / 4 GB DDR3 RAM / 500 GB / Keyboard / Mouse / 18.5" monitor	DELL	36	24500	8,82,000
2	Server Scripting Language (Open Source) - PHP 8.1.4	-	36	-	-
3	Server Platform (Open Source) - Node.js 17.8	-	36	-	
4	Cross-platform web server solution stack package (Open Source) - XAMPP 8.1.4	Apache	36	-	-
5	Front-end framework (Open Source) - Bootstrap 5.1.3	Bootstrap	36	-	-
6	Source code editor (free) - Notepad++ 8.3.3	Microsoft	36	-	-
7	Integrated Development Environment (IDE) - Microsoft Visual Studio17.1.0	Microsoft	36	-	-
8	Modular Computer Workstations		36	3200	1,15,200
9	Computer Chairs		36	900	32,400
10	Single I/O Outlets	D-Link	36	140	5,040
11	Patch Panel	D-Link	04	4250	17,000
12	Data Switches - SG95 (24 port)	Cisco	04	6850	27,400
13	Hub Rack - 9U		01	4850	4,850
14	LCD Projector with 1 Screen and One Mount Kit	EPSON	01	32,000	32,000
15	Air Conditioner (1.5 ton)	Panasonic	01	32500	32,500
16	UPS - 20 KVA Capacity	Access	01	240000	2,40,000
				Total Cost	**13,56,390**
	(In Words Rupees - Thirteen lakhs fifty six thousand three ninety only)				

Date:

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Computer Science and Engineering