DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Laboratory Equipment –DEEP LEARNING LABORATORY

This laboratory is designed to provide hands-on experience in deep learning techniques and neural network architectures. It supports learning in areas such as artificial neural networks, convolutional neural networks (CNNs), recurrent neural networks (RNNs), natural language processing, and computer vision using modern frameworks. The configuration of hardware and software used details are as follows:

1. Software installed: Computer systems installed with Python

2. Connectivity: 1000Mbps internet and LAN connected to campus server.

3. Laboratory Equipment:

S. No	Item	Make	Quantity
1	Desktop Computer Systems: Dell OptiPlex Series (or Equivalent) with Intel Core i5 (Gen 4 or above, e.g., i5-13400, 3.3 GHz, 20MB cache), 256 GB SSD, 16 GB DDR4 RAM, 21.5" Monitor (GPU-enabled systems preferred for deep learning workloads)	Dell	30
2	Software (Open Source): Python	—	30
3	Computer Chairs	—	30
4	Single I/O Outlets	D-Link	30
5	Patch Panel	D-Link	02
6	Data Switches	CISCO	02
7	Hub Rack	—	01
8	LCD Projector with 1 Screen and One Mount Kit	EPSON	01
9	Air Conditioners (1.5 Ton)	Daikin	02
10	UPS – KVA Capacity	MPS	01
11	Modular Computer Workstations		

Date:

HOD

Computer Science Engineering