



MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(AN AUTONOMOUS INSTITUTION)

(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)

Accredited by NAAC with 'A' Grade & Recognized Under Section 2(f) & 12(B) of the UGC act, 1956

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Laboratory Equipment – ADVANCED COMPUTER ARCHITECTURE LABORATORY

This laboratory is designed to provide practical exposure to advanced concepts of computer architecture such as pipelining, parallel processing, memory hierarchy, cache optimization, instruction-level parallelism, and performance evaluation.:

- 1. Software installed:** Computer systems installed with Python (for simulation and analysis) C/C++ compilers (GCC)
- 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	Dell	30
2	Software (Open Source): C/C++ compilers (GCC)		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	-	
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