

Bharathiar University

Department of Computer Applications - Infrastructure Facilities

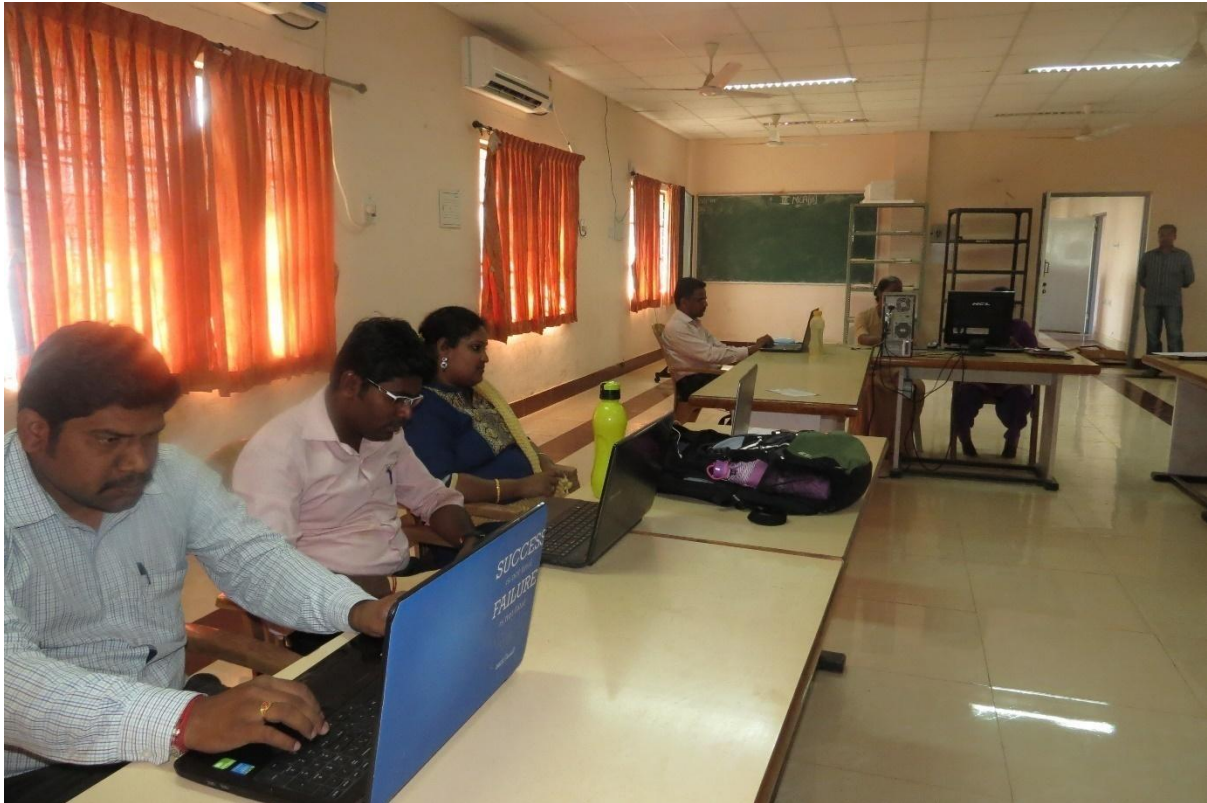
M.Phil. Lab:

There are 10 systems holding dual OS(Windows 10 with OEM and CentOS), with i3 configuration. It enables aspiring scholars to work with MATLAB and Audrino sensors.



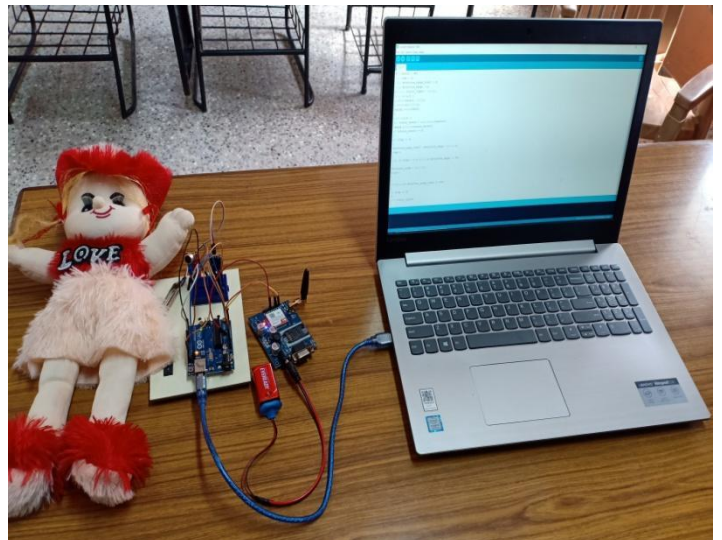
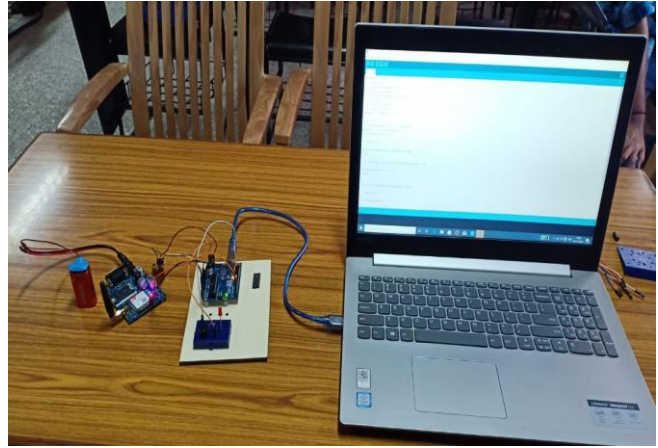
Ph.D. Lab:

There are 10 systems holding dual OS(Windows 10 with OEM and CentOS), with i3 configuration. It enables aspiring scholars to work with MATLAB and Audrino sensors.



IoT Lab:

The IoT Lab is equipped with dedicated arduino and raspberry pi hardwares. There are 13 different types of sensors(Temperature and Humidity, Potentiometer, Smoke Detector, Rotary Encoder, Microphone Sound Buzzer Sensor) each of about 40 units.



MCA Lab:

There are 47 systems holding dual OS(Windows 10 with OEM and CentOS), with i3 configuration. These systems hold softwares as .Net, Java, MSOffice, C, NS2.





Data Analytics Lab:

There are 58 systems holding Windows 10 with OEM OS with i3 configuration. These systems hold softwares as Visual Studio, R-Studio, Anaconda, Pyhon, Jupiter, Tableaux,....



High Performance Computational Facility:

A High Performance Computational Facility has been established with the financial assistance from Rashtra Uchchar Shiksha Abhiyan (RUSA-Phase I) Scheme of MHRD, Govt. of India with Prof. Dr. T. Devi as the principal coordinator. This facility aims at providing high performance computing resources to researchers in advancing their research, to help in development of innovative technologies and applications and to facilitate multidisciplinary research and cutting edge research among researchers. The facility contains an intel skylake gold 6130 master node, 10 GPU Compute nodes and 12 CPU Compute nodes hosting the CentOS7.4 running softwares as R, Python, MySql, Scilab.



High Performance Computational Facility

Established with the financial assistance from Rashtra Uchchar Shiksha Abhiyan (RUSA-Phase I) Scheme of MHRD, Govt. of India.
Amount Sanctioned : 200.00 Lakhs
Principal Co-ordinator : Prof. Dr. T. Devi

Master Node – 1 No

Processor : 2x Intel Xeon Gold 6130 (16C 2.10 GHz, 22 MB Cache, 1MB L2 Cache/per core)
Ram : 128 GB
Hard Disk : 48 TB
Operating System : Cent OS 7.4

Client Nodes – 22 Nos

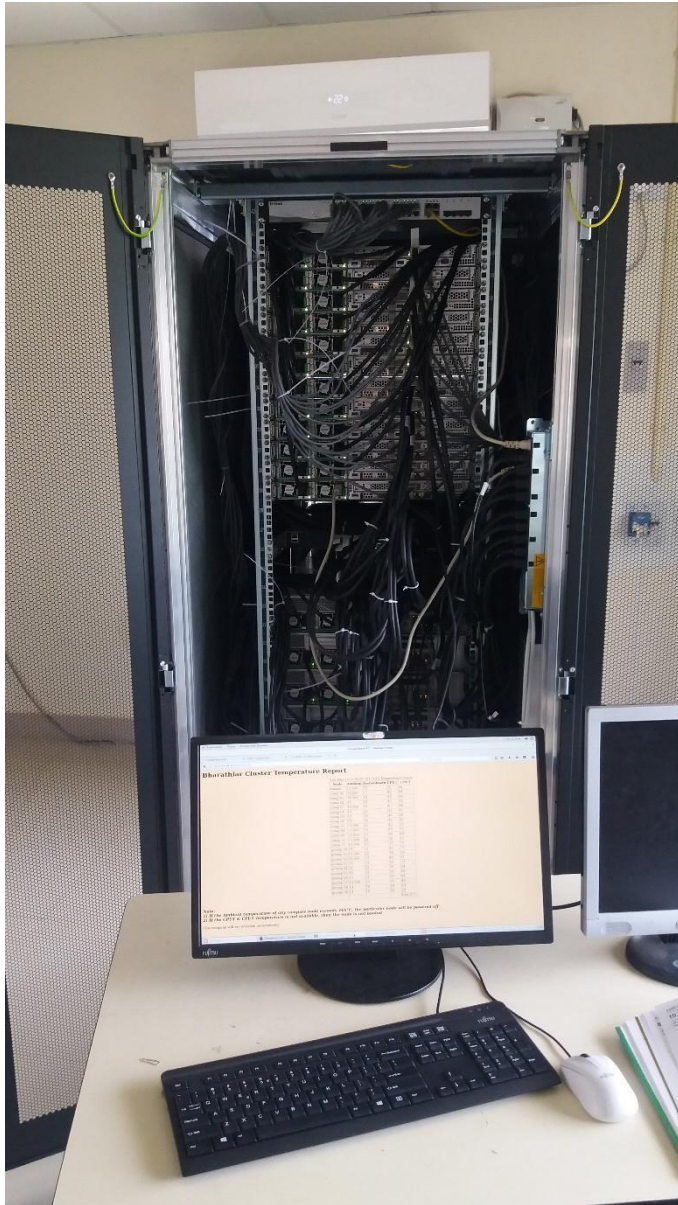
GPU Nodes – 10 Nos

Processor : 2x Intel Xeon Gold 6130 (16C 2.10 GHz, 22 MB Cache, 1MB L2 Cache/per core)
Ram : 128 GB with NVIDA P100 Graphics Card
Hard Disk : 2 TB
Operating System : Cent OS 7.4

CPU Nodes – 12 Nos

Processor : 2x Intel Xeon Gold 6130 (16C 2.10 GHz, 22 MB Cache, 1MB L2 Cache/per core)
Ram : 128 GB
Hard Disk : 2 TB
Operating System : Cent OS 7.4





MuralFlow Cluster Temperature Report

Node	Temp (C)	Temp (F)
Node 1	45.0	113.0
Node 2	45.0	113.0
Node 3	45.0	113.0
Node 4	45.0	113.0
Node 5	45.0	113.0
Node 6	45.0	113.0
Node 7	45.0	113.0
Node 8	45.0	113.0
Node 9	45.0	113.0
Node 10	45.0	113.0
Node 11	45.0	113.0
Node 12	45.0	113.0
Node 13	45.0	113.0
Node 14	45.0	113.0
Node 15	45.0	113.0
Node 16	45.0	113.0
Node 17	45.0	113.0
Node 18	45.0	113.0
Node 19	45.0	113.0
Node 20	45.0	113.0
Node 21	45.0	113.0
Node 22	45.0	113.0
Node 23	45.0	113.0
Node 24	45.0	113.0
Node 25	45.0	113.0
Node 26	45.0	113.0
Node 27	45.0	113.0
Node 28	45.0	113.0
Node 29	45.0	113.0
Node 30	45.0	113.0
Node 31	45.0	113.0
Node 32	45.0	113.0
Node 33	45.0	113.0
Node 34	45.0	113.0
Node 35	45.0	113.0
Node 36	45.0	113.0
Node 37	45.0	113.0
Node 38	45.0	113.0
Node 39	45.0	113.0
Node 40	45.0	113.0
Node 41	45.0	113.0
Node 42	45.0	113.0
Node 43	45.0	113.0
Node 44	45.0	113.0
Node 45	45.0	113.0
Node 46	45.0	113.0
Node 47	45.0	113.0
Node 48	45.0	113.0
Node 49	45.0	113.0
Node 50	45.0	113.0

Note: The default temperature of any component is 45.0 C. This report will be generated if the CPU or GPU temperature is not within the 45.0 C range.

