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मालवीय राष्ट्रीय प्रौद्योगिकी संस्थान जयपुर (राष्ट्रीय महत्व का संस्थान)

Malaviya National Institute of Technology Jaipur (An Institute of National Importance)



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## Facilities

### Cloud & Data Science Lab

**Details Of Equipment / Computer System:** Dell OptiPlex 5040 Processor : - Intel(R) Core(TM) i7- 6700 CPU @ 3.40GHz 3.41 GHz RAM :- 16.0 GB Hard Disk : - 500GB Network Card : - 10/10/1000 Mbps

**Software Installed:** OS Ubuntu GCC, Python

**No. of System:** 54 Nos

**Projector:** 1 Nos

### Computer Network Lab

**Details Of Equipment / Computer System:** Processor Pentium Core i7 RAM 4GB 500 GB HDD

**Software Installed:** OS Ubuntu Gcc Python, MatLAB

**No. of System:** 30 Nos

**Projector:** 1 Nos

### Minsky Research Lab

**Details Of Equipment / Computer System:** Workstation Supermicro Intel Xeon Silver 4110 CPU@2.10 GHz x32 , 96 GB RAM, 04 TB SSD DISK Graphics: GeForce RTX 2080/Ti/PCIe/SSE2, 27" Monitor

**Software Installed:** OS Ubuntu

**No. of System:** 06 Nos

### Software Design Lab

**Details Of Equipment / Computer System:** HP Elite Desktop 800 G1 SFF, I-7 (4770-3.4 GHz), 4 GB DDR3 RAM, 500 GB Sata HDD, with 18.5" LCD Monitor

**Software Installed:** Ubuntu 20.04 LTS

**No. of System:** 29 Nos

**Projector:** 1 Nos

**10 KVA UPS:** 1 Nos

### Real Time Embedded System Lab

Universal microcontroller Development (UMD) Board : 15

Zig bee Technology Trainer Kit :5

GSM development Board : 5

SENSOR MODULES and Other Interfaces :5

Bluetooth Trainer Kit : 2

Smart Phone Trainer Kit : 2

Object Detection and tracking using Tracked Robo Kit using Raspberry Pi / AVR / ARM/ Arduino : 1

### Digital System Lab

Digital Lab Trainer (Bread Board Model ME1154 With Complimentary Ready to Use Model) : 25

8085 Microprocessor Trainer - Micro 85EB-LCD - : 25

8086 Microprocessor Trainer - Micro 86 LCD - : 25

Keyboard & Display Interface Board (VBMB 001)- : 10

2 Channel DAC Interface Board (VBMB-002) : 10

8 Channel ADC Interface Board (VBMB 003) : 10

8251 & 8253 Interface Board (VBMB 004) : 10

8259 Interface Board (VBMB - 007) : 10  
8255 Interface Board (VBMB 008) : 10  
DC Motor Speed Measurement : 10  
Digital Storage Oscilloscope, High Performance With DVM & Wavegen Agilent DSOx2014A with  
DSOX2000-DVM & DSO2000-001 all media & Manuals analog BW 100MHz, 4 Digital Channels , Built in  
Function generator 20 Mhz & Digital Volt Meter 3 Digit Enabled (30) & DSOX2MSO –MSO Upgrade -8  
Channel for 2000 X-Series Oscilloscope (05) : 30  
Atlys Spartan 6 FPGA Development Kit : 18  
NetSim Academic version v12.2 perpetual and floating 1 : 30 users license  
NetSim Standard version and Emulator version v12.2 perpetual and floating : 05 users license

**IOT Lab**

Universal embedded mother board: 5  
Arduino YUN daughter boards: 5  
ARM 7 Daughter Board: 5  
Raspberry Pi development board: 5  
GSM Interfacing Module: 5  
Bluetooth Interfacing Module: 5  
RFID Interfacing Module: 5  
XBEE Interfacing Module: 5  
Temp. measurement sensor module: 5  
Tmote Sky Dev. Sensor Board: 5  
Wireless Modem: 5  
BeagleBone Black: 5  
Pressure measurement sensor module: 5  
Stepper motor interface module: 2  
IoT Training Kit: 2

**ISEA Lab (Information Security Lab)**

**Details Of Equipment / Computer System:** Dell OptiPlex 7440 (AIO) Processor : - Intel(R) Core(TM) i5-6500 @ 3.20GHz RAM :- 4.0 GB Hard Disk : - 500GB Network Card : - 10/10/1000 Mbps

**Software Installed:** OS Ubuntu GCC, Python

**No. of System:** 20 Nos

**Details Of Equipment / Computer System:** Dell OptiPlex 9020 Processor : - Intel(R) Core(TM) i5- 4590 @ 3.30GHz RAM :- 16.0 GB Hard Disk : - 500GB Network Card : - 10/10/1000 Mbps 19.5TFT

**Software Installed:** OS Ubuntu GCC, Python

**No. of System:** 14 Nos

**Projector (Casio XJ-V2):** 01 Nos

**APC-Smart UPS RT-5000, 5KVA:** 02 Nos

**Ramanujan Lab**

**Details Of Equipment / Computer System:** Wipro Pentium i3 RAM 4GB 500 GB HDD

**Software Installed:** OS Ubuntu

**No. of System:** 35 Nos

**Kalam Research Lab**

**Details Of Equipment / Computer System:** Single Intel Xeon 16 Core, 2.10 GHz, 22 MB cache, 960 GB SSD, 2No NVIDIA Quadro RTX 6000 with 24GB DDR6, 2TB 7200 RPM Enterprise SATA Hard Drive.

**Software Installed:** Ubuntu 18, Python, tensor flow, Pytorch

**No. of System:** 01 Nos

**Details Of Equipment / Computer System:** Intel Xeon, 2.10 GHz, 1 No NVIDIA Titan V with 12GB, 1TB Hard Drive

**Software Installed:** Ubuntu 18, Python, tensor flow, Pytorch

**No. of System:** 01 Nos

Miscellaneous

Six UG/PG Labs; Six Research Labs; One Server room

DFB room; office with reprographic facility, telephone and fax, printer available for students/faculty

Individual faculty rooms with Computing, Internet, telephone

Seminar hall – equipped with overhead LCD projector, computer, Internet connectivity Committee room – equipped with overhead LCD projector, computer, Internet connectivity

Two Tutorial rooms

Record room – Reports, Books

Departmental Store room

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Malaviya National Institute of Technology Jaipur  
Jawahar Lal Nehru Marg,  
Jaipur-302017 (Rajasthan) INDIA  
webmaster[at]mnit.ac.in

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