



## VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN

An ISO 9001:2015 Certified Institute, Approved by AICTE, Affiliated to JNTU Kakinada, AP

Phone: 0866-2844444. Email: [vijayatechfw@gmail.com](mailto:vijayatechfw@gmail.com) Website: [www.vitw.edu.in](http://www.vitw.edu.in)

College Code: NP, Enikepadu, Vijayawada-521108

### 4.3.1. Institution frequently updates its IT facilities including Wi-Fi

#### Response:

The college aims at providing the futuristic facilities to the students to make them utilize the resources in the best possible manner. The computer laboratories are relocated to new premises to be under one roof. The laboratories at the new location have cutting edge facilities with a very impressive ambiance. The institution appraises the IT requirements from time to time and does the needful. The campus is Wi-Fi enabled. The students and faculty members are encouraged to utilize e-learning resources.

- Total College systems are connected in star topology back born is Optical Fibre cabling and CAT 6 with speed 125MBPS LAN.
- Each and every department having wifi individual and isolated bandwidth facility
- College mail IDs facilitated.
- Each and every department having smart classes.
- All the students are benefited by Technical support for their PC or Laptops.

#### Total Number of Systems:

Total Systems		436
S.No	Details	No.of Systems
1	Campus Systems (Department, Staff, Office etc...)	15
2	Computer lab Systems	412
3	Other computer lab systems	09

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S.No	Name of the Laboratory	Specification	Number of Systems
1	CSE LAB	Dell:i5 processor,16GB RAM, 1TB HDD,18.5 LED monitor 60 Nos HP:i3 processor,2GB RAM, 500GB HDD,18.5 LED monitor 12 Nos	82
2	AIML LAB	Force :i7 processor,16GB RAM, 256 SSD NVM,18.5 LED monitor 60 Nos	60
3	MPMC LAB	HP:i3 processor,2GB RAM, 500GB HDD,18.5 LED monitor 45 Nos HCL:Core 2 Duo processor,2GB RAM, 128GB HDD,18.5 LCD monitor 25 Nos	60
4	IT LAB	Dell:i3 processor,4GB RAM, 128SSD,18.5 LED monitor 60 Nos HP:i3 processor,2GB RAM, 500GB HDD,18.5 LCD monitor 9 Nos HCL:Core 2 Duo processor,2GB RAM, 128GB HDD,18.5 LCD monitor 1 Nos	70
5	DSP LAB	Dell:i5 processor,4GB RAM, 1TB HDD,18.5 LED monitor 28 Nos HP:i3 processor,2GB RAM, 500GB HDD,18.5 LCD monitor 7 Nos HCL:Core 2 Duo processor, 2GB RAM, 128GB HDD,18.5 LCD monitor 15 Nos	50
6	SIMULATATION LAB	Dell:i5 processor,16GB RAM, 256 SSD,18.5 LED monitor 60 Nos	60

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7	<b>LANGUAGE LAB</b>	HCL:Core 2 Duo processor, 2GB RAM, 128GB HDD,15inch LCD monitor 30 Nos	<b>30</b>
<b>Total number of systems in computer labs: 412</b>			

### Internet Details:

1. MYGURU leased line --- 125MBPS
2. Excel Broadband ---- 80MBPS
3. ACT Broadband ---- 100MBPS
4. ACT Broadband ----- 60MBPS

### Total number of Printers:

S.No	Name of the Printer	Quantity
1	Laser Printers	14
2	Colour Printers	6
3	Xerox Machines	3

### Wi-Fi:

Wi-Fi enabled campus. Certified by TP link.

### Backbone:

Optical Fibre cable(OFC) is the backbone of Entire campus with a speed of 125MBPS.

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### CC Camera Surveillance:

Entire campus is under CC camera surveillance with 37 cameras.

### Details of the college computing facilities:

The college has its own network infrastructure since its inception. The laboratories are D-Link Certified and follow the D-Link infrastructure in all respects of the internet facilities including LAN + WAN.

- MOODLE – Learning resources, curriculum, lesson plan, recorded lectures, assignments, assessment are made available online through Learning Management System (LMS) for enhancing teaching and learning experience.
- Koha Library – Complete library content made available to the students, faculty 24x7
- Database Server (Oracle)-1
- Xilinx Server-1
- Open source Firewall- Pfense
- K7 Security-Antivirus
- 10000 Meters of LAN Cable on campus
- Internet Servers-1Nos
- JNTU KAKINADA Online Exams Server-4Nos
- IP surveillance-37 cameras
- Access control systems

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### Server Details:

S.No	Total No. of physical servers	Total No. of Server Applications
1	7	6

S.No	Server Details	Company	Quantity
1	HP:i3 processor, 4GB RAM,500GB HDD,	HP	3
2	Dell:i5 9 <sup>th</sup> GEN 16GB RAM,1TB HDD	DELL	3
3	HP XEON CPU 32GB RAM,2TB HDD,128 SSD	HP	1

S.No	Purpose and name of the server Applications	Specification	Quantity
1	JNTUK Online Server 1 <sup>st</sup> Year	HP:i3 processor, 4GB RAM,500GB HDD,18.5 LED monitor	1
2	JNTUK Online Server 2nd Year	LENOVO:i3 processor, 4GB RAM,500GB HDD,18.5 LED monitor	1
3	JNTUK Online Server 3rd Year	HP:i3 processor, 4GB RAM,500GB HDD,18.5 LED monitor	1
4	JNTUK Online Server 4th Year	HP:i3 processor, 4GB RAM,500GB HDD,18.5 LED monitor	1
5	Library Software	Dell:i5 9 <sup>th</sup> GEN 16GB RAM,1TB HDD	1

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6	Xilinx Vivado Software	Dell:i5 9 <sup>th</sup> GEN 4GB RAM,1TB HDD	1
7	DATA BASE SERVER	HP XEON CPU 32GB RAM,2TB HDD,128 SSD	1

### Software Details

Total Number of Software's	3 (System Softwares) + 11 (Application Softwares)
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#### 1. System Softwares:

S.No	Type of Software	Name of the Software	Qty	Name of the Department used
1	Licensed	Windows 10	300	All Departments
2	Open Source	Ubuntu 18LTS	UL	CSE
3	Open Source	Ubuntu 22.04.3	UL	All Departments
4	Open Source	Fedora 7	UL	All Departments

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### 2. Application Softwares:

S.No	Type of Software	Name of the Software	Qty	Name of the Department used
1	Open Source	Libre Office	--	All Departments
2	Open Source	MYSQL 8.0	--	All Departments
3	Open Source	Apache Tomcat 7.0	--	All Departments
4	Open Source	JDK 8.0	--	All Departments
5	Open Source	Weka Tool	--	All Departments
6	Open Source	GCC Compiler	--	All Departments
7	Open Source	G++ Compiler	--	All Departments
8	Open Source	Any Desk (Remote Admin)	--	All Departments
9	Licensed	Xilinx Vivado	25	ECE
10	Licensed	Matlab	10	ECE
11	Licensed	Ni Multisim Student Version 14	10	ECE
12	Licensed	Office 365	100	All Departments

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