VELS

INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES (VISTAS)
(Deemed to be University Estd. u/s 3 of the UGC Act, 1956)
PALLAVARAM - CHENNAI
ACCREDITED BY NAAC WITH 'A' GRADE
Marching Beyond 25 Years Successfully

4.3.2: Institution has an IT policy, makes appropriate budgetary provision and updates its IT facilities including Wi-Fi facility

IT Infrastructure

IT facilities such as Wi-Fi with updation & nature of updation

Number of systems with individual configurations

- ❖ Desktop (Intel i7, Intel i5, Intel i3 processor with 4-8GB RAM and 1TB Hard disk.
- ❖ Dual Core and core 2duo, P4 Processor with 2GB RAM and 250 GB to 500 GB HDD)
- ❖ Laptop (i3 Processor with 2-4GB RAM with 1 TB Hard disk)
- ❖ Total number of systems- 2804

Dedicated computing facilities

- ❖ Internet in All Computer Labs
- ❖ LAN in All Classrooms
- ❖ Internet in Guest House
- ❖ Wi-Fi in All Hostels
- ❖ Paid Printing
- ❖ LCD Projectors
- ❖ Audio Visual Class rooms
- ❖ Lecture Capturing Systems
- ❖ Media Centre, Editing software etc.,

LAN facility

- ❖ One network across the campus and access internet/intranet resources under Uniform network policy

- ❖ VISTAS has Wi-Fi facility for students and faculty members to avail internet connection in the campus, hostel & staff quarters. The connectivity through a fully networked campus with state-of-the-art IT infrastructure, computing & communication resources, offers students the facilities of e-mail, Netsurfing, up/down loading of web based applications, besides helping them in preparing projects & seminars.

- ❖ Internet bandwidth - Greater than 1Gbps

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Software:-

- windows server 2012 - windows server 2016 - windows server 2003 - Windows 7 - windows 8 - Windows 10 - BOSS Linux - Ubuntu - Turbo C - Turbo C++ - Netbeans - Java - Xampp - PHP - MYSql - Oracle 10g - Microprocessor 8086 - SAP - Visual Basic - HTML - XML - Eclipse	- IBM SPSS - IBM COGNOS - Oracle 10g - SQL - VMWARE - ERP - Moodle - Lecture Video Capturing Software (Opencast)

• WIFI Facility (Dlink, CISCO, Netgear, Aruba , Belkin , Ruckus) with 100% Secure Wi-Fi Coverage	December 2017
• CCTV Surveillance enabled campus Up-gradation	March 2019
• Up-gradation of Projector with individual PA system for classroom and seminar rooms.	March 2018
• Firewall Procurement (Cyberoam – CR1500iNG)	March 2018
• Upgraded Biometric with Access control system	December 2017

• Academic LAB Up-gradation as per Software requirement Every year	September 2018
• Firewall Up-gradation (from Sonic wall to Cyberoam)	April 2017
• Access Points (Aruba & Rucks) Installation with Secure Wi-Fi Coverage using MAC Authentication	April 2017
• K7 Antivirus Version – 14.2	Every year
• Faculty Laptop changed/upgraded (Lenovo 80Q)	June 2019
• End-User UPS changed and upgraded across the campus	September 2018
• User end Desktop changed (DELL /ACER)	September 2018
• Wi-Fi enabled Campus and students and faculty members have access to electronic databases which encourages them to use e-learning resources	Every year

Bandwidth of internet connection in the institution

- ❖ BSNL - 1 Gbps Connectivity with Unlimited data
- ❖ ACT Fibernet (200 Mbps speed with 5TB Data access)

Number of computers with access to internet	Bandwidth of leased line connection	LAN configuration
2800	BSNL - 1 Gbps ACT Fibernet – 200 Mbps	Dynamic Host Configuration

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Facilities for e-content development such as Recording facility, Lecture Capturing System (LCS)

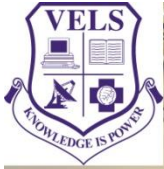| Name of the e-content development facilities	Provide link to videos of the media centre and recording facility
To view lecture capture videos online	http://lms.velsuniv.ac.in

Engineering Block 3rd Floor
Audio Visual Centre
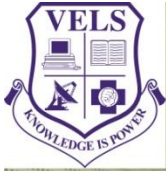
Engineering Block 3rd Floor
Mixing Equipments and Software For Editing

Lecture Capturing System(LCS)

VISTAS Media Centre
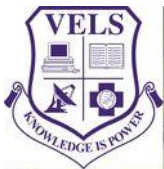
Engineering Block 3rd Floor
Multimedia Lab

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Engineering Block 3rd Floor
Animation Department
Animation Lab

Animation Lab

ENB 304

Engineering Block 3rd floor
Animation Department Lab
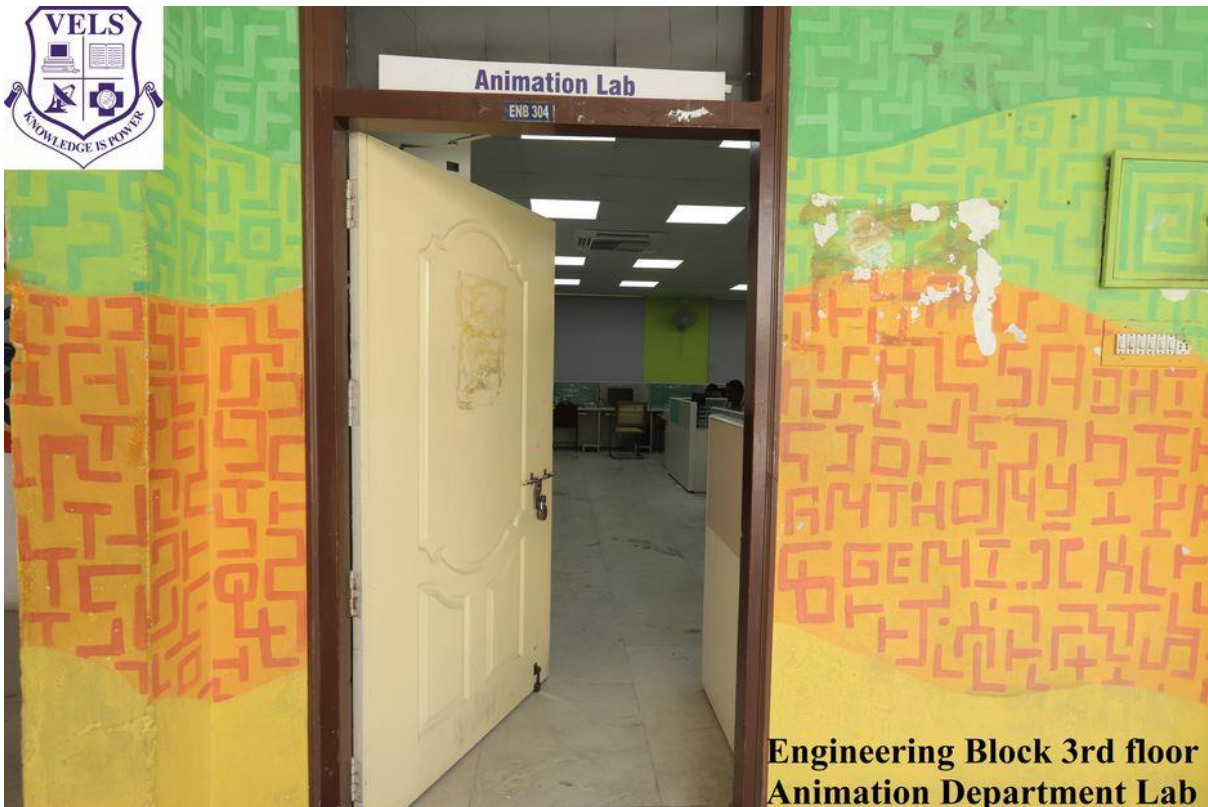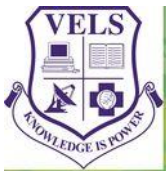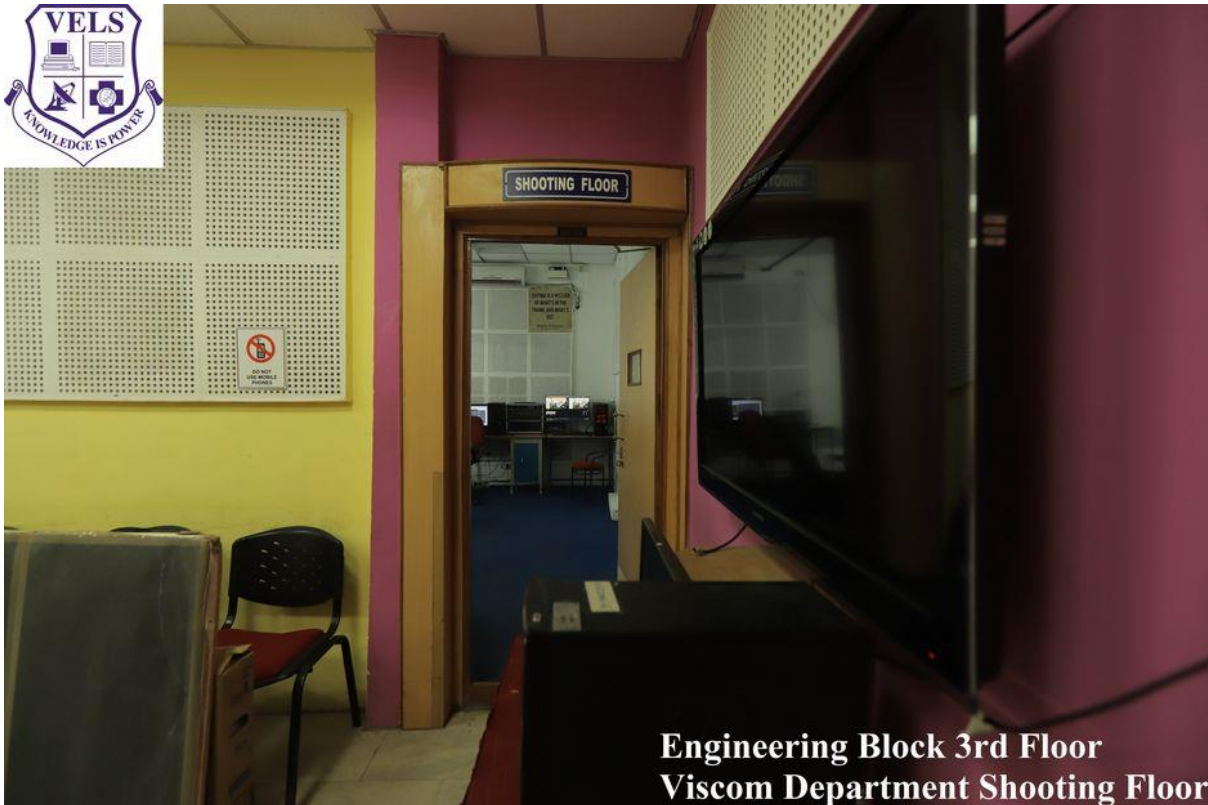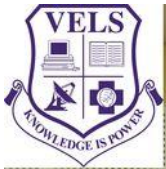
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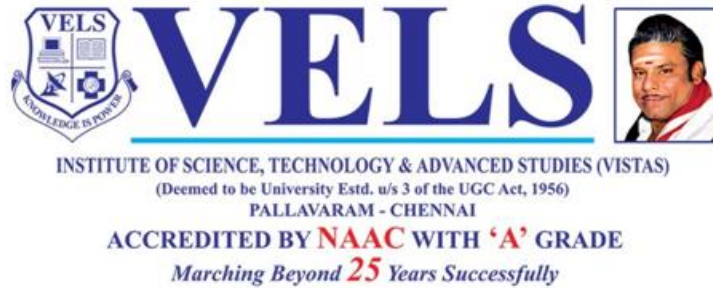Pallavaram, Chennai - 600 117.

Engineering Block 3rd Floor
Viscom Department Audio Dubbing Studio

Engineering Block 3rd Floor
Viscom Department Shooting Floor

IT POLICY

- VISTAS maintaining reliable computing facilities, computing network environment, and related infrastructure to facilitate education, research, instructional and Institute approved services.

- Students shall also be bound by all the rules and regulations formulated by the University from time to time on use of computing facilities provided to them.

- Minimizing unnecessary network traffic that may interfere with the ability of others to make effective use of campus network resources.

- Not overloading networks with excessive data or wasting the University's other technical resources.

- Any computer, peripheral or network capable device and personal devices connected to campus network must belong to, or be formally registered or be hosted by IT Department.

- IT Department is responsible for provision and maintenance of computing facilities provided to users. The facilities are provided after the user secure approvals from competent members of administration.

- IT Department shall not be responsible for any failure to personal peripherals connected to university equipment by the user.

- The individual or the department shall be responsible to report any hardware or software related faults to IT Department. IT Department shall take all necessary steps to resolve the issue at the earliest. However, faults that require substantial additional financial expense may need to be approved by competent authorities.

- All support calls attended by support personnel shall be documented and the user or department shall ensure that the service is complete in all respect including components that have been removed or replaced by the service personnel.

- IT Department shall provide all necessary software for operating the devices allocated to the user including network control devices.

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- IT Department reserves the right to secure the administrative passwords for all the devices owned by the University.

- All software installed on the user machines shall be legal copies from the original vendors. Users are encouraged not to use any illegal or unlicensed versions of copyrighted software.

- IT Department is responsible for the design, development, and maintenance of campus-wide network facilities that are used to connect all users, including facilities such as ISDN, leased data links, fiber optic backbone network or any other technologies that may be adopted.

- IT Department will test and monitor the shared networks to detect problems and will take actions necessary to isolate the cause and correct the problem.

- Individual departments, users or user groups may develop their own local area networks or local communications environment within, only if those facilities are approved by IT Department and meets developed network standards. IT Department shall also reserve the rights to monitor such networks.

- IT Department is responsible for maintaining physical security of all network equipment and data communications cabling in campus equipment closets, between buildings and in network hub locations.

- IT Department may shutdown the network services periodically for maintenance purposes. Users shall be informed well in advance regarding such outages.

- Execution of software programs which excessively consume network or network server resources

- Activities that violate local administration, state, central government or recognized international organization or treaties.

- Downloading large files for personal use including music, video and software.

- Initiating Denial of Service Attacks, Hacking, Cracking or similar activities which disrupt the network services hosted internally and externally

- Users shall not use VISTAS network services to view, download, save, receive or send material related to Offensive content of any kind, including pornographic material.

- Promoting discrimination on the basis of race, gender, national

origin, age, marital status, sexual orientation, religion or disability, Threatening or violent behavior. Illegal activities.

- Spamming e-mail accounts from VISTAS's e-mail services or computers. Material protected under copyright laws.

- If a gross violation has occurred, management will take immediate action. Such action may result in losing Internet and/or e-mail privileges, severe reprimand, and or disciplinary action. The user's computing and network access may be suspended.

- Proposed revisions of this policy should be reviewed by a committee which includes :

    - Vice Chancellor
    - Registrar
    - Head - CSE & IT Department
    - Director - IQAC

- The department is responsible for identifying the computing requirements for the various academic and administrative departments in the campus and provides necessary computing facilities. Networking Infrastructure

- All computing facilities in the campus are inter-networked. All buildings in the campus are linked through high-speed fiber optic cable allowing seamless connectivity between departments functioning at these locations.

- All hostels and Academic Blocks at VISTAS are covered by the Wireless network (Wi-Fi). Faculty and students can connect to Wi-Fi using their Campus Domain Controller username and password.

- All faculty, staff and students are allotted email address on the University domain. The use of the email ID is governed by the University Email Use Policy.

- The Internet bandwidth is distributed to the campus network through a firewall. The firewall also has spam filtering, content filtering, IPS, virus scanning and bandwidth management facilities. The intranet portal can be accessed from any PCs in the campus.

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