



MANAKULA VINAYAGAR

INSTITUTE OF TECHNOLOGY

(An Autonomous Institution)

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MVIT - INFORMATION TECHNOLOGY (IT) POLICY & GUIDELINES

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PREFACE

Our Institution, Manakula Vinayagar Institute of Technology is affiliated to Pondicherry University, approved by AICTE and Accredited by NAAC and NBA. The Information Technology (IT) Policy of the Institution defines Rules, Regulations and Guidelines for proper usage and maintenance of the technological assets / Applications such as IT Hardware, Software, Network (Intranet & Internet), Institute Database, Web Site Hosting, Wi-Fi, Electronics Data Processing (EDP), Video Surveillance, Web Applications, etc., to ensure their ethical and acceptable use and assure health, safety and security of data, products, facilities as well as the Internal / External Stakeholders using them.

It also provides guidelines for issues like purchase, compliance, IT support and utilization by the Teaching & Non-Teaching Staff and students pertaining to technological assets and services used for socio-economic development of the Institute.

Table of Contents

S. No.	Chapter	Page Number
1	Need for IT Policy	3
2	IT Hardware Installation Policy	5
3	Software Installation & Licensing Policy	7
4	Network (Intranet & Internet) Use Policy	8
5	Email Account Use Policy	10
6	Web Site Hosting Policy	11
7	Institute Database Use Policy	12
8	Hostel Wi-Fi Use Policy	13
9	Responsibilities of Electronics Data Processing (EDP)	14
10	Responsibilities of Departments	16
11	Guidelines for Desktop Users	18
12	Video Surveillance Policy	19
13	Web Application Filter	20
	Appendices	
1	Campus Network Services Use Agreement	21

1. Need for Information Technology (IT) Policy

- IT Policy is being documented for fair and transparent academic purpose for use of various IT resources in the Campus for Students, Faculty Members, Administrative Staff, Management and visiting Guests.
- This policy establishes institution-wide strategies and responsibilities for protecting the Confidentiality, Integrity, and Availability of the information assets that are accessed, created, managed, and/or controlled by the institution.

Now, MIT has network connections to every computer system covering the campus and hostel.

System administrator has been given the responsibility of running the institute's intranet and Internet services with the Firewall security, DHCP, DNS, email, web and application servers and managing the network of the institute.

MIT is getting its Internet bandwidth from BSNL. Total bandwidth availability from BSNL source is 1Gbps (leased line 1:1).

The IT policy of the college is formulated to maintain, secure, and ensure legal and appropriate use of Information technology infrastructure established on the campus and provide guidelines on acceptable and unacceptable use of IT resources of the college. This policy establishes strategies and responsibilities for protecting the confidentiality, integrity, and availability of the information assets that are accessed, created, managed, and/or controlled by the College.

Information assets addressed by the policy include data, information systems, computers, network devices, intellectual property, as well as documents and verbally communicated information. In addition, this policy supports effective organizational security and protects users and IT resources from, but not limited to cyber criminals, bullying, misuse of accounts and assets as well as the spread of malicious software

Purpose of IT policy is to set direction and provide information about acceptable actions and prohibited actions or policy violations. Guidelines are created and provided to help organization, departments and individuals who are part of Institution community to understand how Institution policy applies to some of the significant areas and to bring conformance with stated policies.

IT policies may be classified into following groups:

- IT Hardware Installation Policy
- Software Installation and Licensing Policy
- Network (Intranet & Internet) Use Policy
- E-mail Account Use Policy
- Web Site Hosting Policy
- Institute Database Use Policy

Applies to

Stake holders on campus or off campus

- Students: UG, PG
- Employees: Teaching and Non-Teaching
- Administrative Staff (Non-Technical / Technical)
- Higher Authorities
- Guests

Resources

- Network Devices wired/ wireless
- Internet Access
- Official Websites, web applications
- Official Email services
- Data Storage
- Mobile/ Desktop / server computing facility
- Documentation facility (Printers/Scanners)
- Multimedia Contents

Policy Objectives: -

The objectives of the IT policy are as follows:

- To provide all required IT resources as per the academic programs laid down by AICTE. Also, introduce new IT technologies which will benefit the students and staff.
- To effectively have an annual plan of introducing new technologies in-line with the Academia.
- Create provision for priority up-gradation of the products
- Create Provision for Annual Maintenance expenses to ensure maximum uptime of the products.

- Plan and invest for redundancy at all levels.
- To ensure that the products are updated and catered 24x7 in the campus or as per the policies laid down by the College Management.
- Leveraging information technology as a tool for the socio-economic development of the Institute.

2. IT Hardware Installation Policy

Institute network user community needs to observe certain precautions while getting their computers or peripherals installed so that he/she may face minimum inconvenience due to interruption of services due to hardware failures.

a. Primary User

An individual in whose room the computer is installed and is primarily used by him/her is considered to be “primary” user. If a computer has multiple users, none of whom are considered the "primary" user, the department Head should make an arrangement and make a person responsible for compliance.

b. End User Computer Systems

Apart from the client PCs used by the users, the institute will consider servers not directly administered by Computer Center, as end-user computers. If no primary user can be identified, the department must assume the responsibilities identified for end-users. Computer systems, if any, that are acting as servers which provide services to other users on the Intranet/Internet though registered with the Computer Center, are still considered under this policy as "end- users" computers.

c. Warranty & Annual Maintenance Contract

Computers purchased by any Department/Cells should preferably be with 3-year on-site comprehensive warranty. After the expiry of warranty, computers would be maintained by Computer Center or by external Service Engineers on call basis. Such maintenance should include OS re-installation and checking virus related problems also.

d. Power Connection to Computers and Peripherals

All the computers and peripherals should be connected to the electrical point strictly through UPS. Power supply to the UPS should never be switched off, as continuous power supply to UPS is required for battery recharging. Further, these UPS systems should be connected to the electrical points that are provided with proper earthlink and have properly laid electrical wiring.

e. Network Cable Connection

While connecting the computer to the network, the connecting network cable should be away from any electrical/electronic equipment, as they interfere with the network communication. Further, no other electrical/electronic equipment should be shared with the power supply from where the computer and its peripherals are connected.

f. File and Print Sharing Facilities

File and print sharing facilities on the computer over the network should be installed only when it is absolutely required. When files are shared through network, they should be protected with password and also with read only access rule.

g. Shifting Computer from One Location to another

Computer system may be moved from one location to another with prior written intimation to the EDP, as EDP Unit maintains a record of computer identification names (MAC Address, and Serial Number) and corresponding IP address. Such computer identification names follow the convention that comprises the Department name abbreviation and serial number. As and when any deviation (from the list maintained by Network Unit) is found for any computer system, network connection would be disabled and the same will be informed to the user by email/phone, if the user is identified. When the end user meets the compliance and informs the Network Unit in writing/by email, connection will be restored.

h. Maintenance of Computer Systems provided by the Institute

For all the computers that were purchased by the institute centrally and distributed by the Computer Center will attend the complaints related to any maintenance related problems.

i. Noncompliance

MIT faculty, staff, and students not complying with this computer hardware installation policy may leave themselves and others at risk of network related problems which could result in damaged or lost files, inoperable computer resulting in loss of productivity. An individual's non-compliant computer can have significant, adverse effects on other individuals, groups, departments, or even whole institute. Hence it is critical to bring all computers into compliance as soon as they are recognized not to be.

j. Computer Center Interface

Computer Center upon finding a non-compliant computer affecting the network will notify the individual responsible for the system and ask that it be brought into

compliance. Such notification will be done via email/phone. The individual user will follow-up the notification to be certain that his/her computer gains necessary compliance. The Computer Center will provide guidance as needed for the individual to gain compliance.

3. Software Installation and Licensing Policy

Any computer purchased should have all licensed software (operating system, antivirus software and necessary application software) installed.

Respecting the anti-piracy laws of the country, Institute IT policy does not allow any pirated/unauthorized software installation on the institute owned computers and the computers connected to the institute campus network. In case of any such instances, institute will hold the department/individual personally responsible for any pirated software installed on the computers located in their department/individuals' rooms.

a. Operating System and its Updating

Individual users should make sure that respective computer systems have their OS updated in respective of their service packs/patches, through Internet. This is particularly important for all MS Windows based computers (both PCs and Servers). Updating OS by the users helps their computers in fixing bugs and vulnerabilities in the OS that were periodically detected by the Microsoft for which it provides patches/service packs to fix them.

b. Antivirus Software and its updating

Computer systems used in the institute should have anti-virus software installed, and it should be active at all times. The primary user of a computer system is responsible for keeping the computer system compliant with this virus protection policy.

Individual users should make sure that respective computer systems have current virus protection software installed and maintained.

He/she should make sure that the software is running correctly. It may be noted that any antivirus software that is running on a computer, which is not updated or not renewed after its warranty period, is of practically no use. If these responsibilities appear beyond the end user's technical skills, the end-user is responsible for seeking assistance from Computer Center.

c. Backups of Data

Individual users should perform regular backups of their vital data. Virus infections often destroy data on an individual's computer. Without proper

backups, recovery of destroyed files may be impossible.

Preferably, at the time of OS installation itself, one can have the computer's hard disk partitioned into many volumes typically C, D and so on. OS and other software should be on C drive and user's data files on the other drives (e.g. D, E). In case of any virus problem, generally only C volume gets corrupted. In such an event formatting only one volume, will protect the data loss. However, it is not a foolproof solution. Apart from this, users should keep their valuable data on CD / DVD or other storage devices such as pen drives, external hard drives.

d. Noncompliance

MIT faculty, staff, and students not complying with this computer security policy leave themselves and others at risk of virus infections which could result in damaged or lost files inoperable computer resulting in loss of productivity, risk of spread of infection to others confidential data being revealed to unauthorized persons.

An individual's non-compliant computer can have significant, adverse affects on other individuals, groups, departments, or even whole institute. Hence it is critical to bring all computers into compliance as soon as they are recognized not to be.

e. Computer Center Interface

Computer Center upon finding a non-compliant computer will notify the individual responsible for the system and ask that it be brought into compliance. Such notification will be done via email/phone. The individual users will follow-up the notification to be certain that his/her computer gains necessary compliance. The Computer Center will provide guidance as needed for the individual to gain compliance.

4. Network (Intranet & Internet) Use Policy

Network connectivity provided through an authenticated network access connection or Wi- Fi is governed under the Institute IT Policy. The Computer Center is responsible for the ongoing maintenance and support of the Network, exclusive of local applications. Problems within the Institute's network should be reported to Computer Center.

a. IP Address Allocation

Any computer (PC/Server) that will be connected to the institute network should have an IP address assigned by the EDP. Departments should follow a systematic approach, the range of IP addresses that will be allocated to each Lab as decided.

So, any computer connected to the network from that lab will be allocated IP address only from that Address pool. Further, each network port in the room from where that computer will be connected will have binding internally with that IP address so that no other person uses that IP address unauthorized from any other location. An IP address allocated for a particular computer system should not be used on any other computer even if that other computer belongs to the same individual and will be connected to the same port. IP addresses are given to the computers but not to the ports.

b. DHCP and Proxy Configuration by Individual Departments/ Cells/ Users

Use of any computer at end user location as a DHCP server to connect to more computers through an individual switch/hub and distributing IP addresses (public or private) should strictly be avoided, as it is considered absolute violation of IP address allocation policy of the institute. Similarly, configuration of proxy servers should also be avoided, as it may interfere with the service run by Computer Center.

Non-compliance to the IP address allocation policy will result in disconnecting the port from which such computer is connected to the network. Connection will be restored after receiving written assurance of compliance from the concerned department/user.

c. Running Network Services on the Servers

Individual departments/individuals connecting to the institute network over the LAN may run server software, e.g., HTTP/Web server, SMTP server, FTP server, only after bringing it to the knowledge of the Computer Center in writing and after meeting the requirements of the institute IT policy for running such services. Non-compliance with this policy is a direct violation of the institute IT policy, and will result in termination of their connection to the Network.

Computer Center takes no responsibility for the content of machines connected to the Network, regardless of those machines being Institute or personal property.

Computer Center will be constrained to disconnect client machines where potentially damaging software is found to exist.

A client machine may also be disconnected if the client's activity adversely affects the Network's performance.

Institute network and computer resources are not to be used for personal /commercial purposes.

Network traffic will be monitored for security and for performance reasons at Computer Center.

Impersonation of an authorized user while connecting to the Network is in direct violation of this agreement and will result in the termination of the connection.

d. Dial-up/Broadband Connections

Computer systems that are part of the Institute's campus-wide network, whether institute's property or personal property, should not be used for dial-up/broadband connections, as it violates the institute's security by way of bypassing the firewalls and other network monitoring servers. Non-compliance with this policy may result in withdrawing the IP address allotted to that computer system.

e. Wireless Local Area Networks

This policy applies, in its entirety, to Departments, or Hostel wireless local area Networks. In addition to the requirements of this policy, departments, or hostels must register each wireless access point with Computer Center including Point of Contact information.

Departments or hostels must not operate wireless local area networks with unrestricted access. Network access must be restricted either via authentication or MAC/IP address restrictions. Passwords and data must be encrypted.

If individual department wants to have inter-building wireless network, prior to installation of such network, it should obtain permission from the institute authorities whose application may be routed through the In Charge, Computer Center.

5. Email Account Use Policy

In an effort to increase the efficient distribution of critical information to all faculties, staff and students, and the Institute's administrators, it is recommended to utilize the institute's e-mail services, for formal Institute communication and for academic & other official purposes.

Email for formal communications will facilitate the delivery of messages and documents to campus and extended communities or to distinct user groups and individuals. Formal Institute communications are official notices from the Institute to faculty, staff and students. These communications may include administrative content, such as human resources information, policy messages, general Institute messages, official announcements, etc.

To receive these notices, it is essential that the e-mail address be kept active by using

it regularly. The institute's email account for the individual user is given as they join the institute. Students and faculty members may use the assigned email facility with their User ID and password.

Users may be aware that by using the email facility, the users are agreeing to abide by the following policies:

- The facility should be used primarily for academic and official purposes and to a limited extent for personal purposes.
- Using the facility for illegal/commercial purposes is a direct violation of the institute's IT policy and may entail withdrawal of the facility. The illegal use includes, but is not limited to, the unlicensed and illegal copying or distribution of software, sending of unsolicited bulk e-mail messages. And generation of threatening, harassing, abusive, obscene or fraudulent messages/images.
- User should not open any mail or attachment that is from unknown and suspicious source. Even if it is from known source, and if it contains any attachment that is of suspicious nature or looks dubious, user should get confirmation from the sender about its authenticity before opening it. This is very much essential from the point of security of the user's computer; as such messages may contain viruses that have potential to damage the valuable information on your computer.
- User should not share his/her email account with others, as the individual account holder is personally held accountable, in case of any misuse of that email account.
- While using the computers that are shared by other users as well, any email account that was accidentally left open by another user, should be promptly closed without peeping into its contents, by the user who has occupied that computer for its use.
- Impersonating email account of others will be taken as a serious offence under the institute IT security policy.
- It is ultimately each individual's responsibility to keep their e-mail account free from violations of institute's email usage policy.

6. Web Site Hosting Policy

a. Official Pages

Departments, Cells, central facilities may have pages on MIT's official Web Site. As on date, the Institute Website Co-ordinator is responsible for maintaining the official web site of the institute viz., <http://www.mvit.edu.in/> .

b. Responsibilities for updating Web Pages

Department website co-ordinator, cell incharge, are responsible to send updated information time to time about their Web pages to Website Co-ordinator.

7. Institute Database Use Policy

This Policy relates to the databases maintained by the institute.

Data is a vital and important Institute resource for providing useful information. Its use must be protected even when the data may not be confidential.

MIT has its own policies regarding the creation of database and access to information and a more generic policy on data access. Combined, these policies outline the institute's approach to both the access and use of this institute resource.

▪ Database Ownership:

MIT is the data owner of the entire Institute's institutional data generated in the institute.

▪ MIS Components:

For the purpose of Management Information System requirements of the institute these are:

- Employee Information Management System.
- Students Information Management System.
- Financial Information Management System.
- Library Management System.
- Document Management & Information Retrieval System.

Here are some general policy guidelines and parameters for departments, cells and administrative department data users:

1. The institute's data policies do not allow the distribution of data that is identifiable to a person outside the institute.
2. Data from the Institute's Database including data collected by departments or individual faculty and staff, is for internal institute purposes only.
3. One's role and function define the data resources that will be needed to carry out one's official responsibilities/rights. Through its data access policies the

institute makes information and data available based on those responsibilities/rights.

4. Data directly identifying a person and his/her personal information may not be distributed in any form to outside persons or agencies, including all government agencies and surveys and other requests for data. All such requests are to be forwarded to the Office.
5. Requests for information from any courts, attorneys, etc. are handled by the Office and departments should never respond to requests, even with a subpoena. All requests from law enforcement agencies are to be forwarded to the Office for response.
6. Tampering of the database by the department or individual user comes under violation of IT policy. Tampering includes, but not limited to :
 - Modifying/deleting the data items or software components by using illegal access methods.
 - Modifying/deleting the data items or software components deliberately with ulterior motives even by authorized individuals/ departments.
 - Causing database or hardware or system software crash thereby destroying the whole or part of database deliberately with ulterior motives by any individual.
 - Trying to break security of the Database servers.

Such data tampering actions by institute member or outside members will result in disciplinary action against the offender by the institute authorities.

If the matter involves illegal action, law enforcement agencies may become involved.

8. Hostels Wi-Fi Use Policy

- Usage of Wireless infrastructure in hostels is to enhance the accessibility of internet for academic purposes and to browse exclusive online resource (licensed online journals) of the MIT for students and staffs.
- Availability of the signal will vary from place to place. The signal strength also may vary from location to location. It is not mandatory that each and every area in each floor of every block will have the same kind of signal strength, coverage and throughput.
- Access to Wireless internet is only an extended service and neither students nor anyone who is residing in the hostels can demand the service. Availability of

wireless services solely depends on the discretion of the MIT and it has rights to stop/interrupt the services at any given point of time, if required for any technical purpose.

- The access points provided in hostels are the property of MIT and any damage or loss of the equipment will be considered as a serious breach of MIT's code of conduct and disciplinary action will be initiated on the student/s who are found guilty for the loss or damage of the Wireless Infrastructure or the corresponding equipment in the hostels buildings. In the incident of any loss or damage to the wireless infrastructure, MIT will assess the damage and the same will be recovered from all the students who are residing in that floor/building/hostel.

9. Responsibilities of Electronics Data Processing.

a. Maintenance of Computer Hardware & Peripherals

EDP is responsible for maintenance of the institute owned computer systems and peripherals that are under warranty or out of the warranty.

b. Receiving Complaints

The System Administrator may receive complaints from the users if any of the computer systems or peripherals that are under maintenance through them is having any problems.

The System Administrator in EDP receives complaints from the users of these computer systems and coordinates with the service engineers of the respective brands of the computer systems (which are in warranty) to resolve the problem within a reasonable time limit. For out of warranty computer systems, problems resolved at computer center.

The System Administrator may receive complaints from department/users, if any of the networks related problems are noticed by them such complaints should be made by email/phone.

The System Administrator may receive complaints from the users if any of the user is not able to access network due to a network related problem at the user end. Such complaints may be generally through phone call.

The System Administrator in Computer Center receives complaints from the users and coordinates with the user/service engineers of the network hardware or with internal technical team to resolve the problem within a reasonable time limit.

c. Scope of Service

EDP will be responsible for solving the hardware related problems or OS or any

other application software that were legally purchased by the institute and was loaded by the company as well as network related problems or services related to the network.

d. Installation of Un-authorized Software

EDP and System Administrator should not encourage installing any unauthorized software on the computer systems of the users. They should strictly refrain from obliging such requests.

e. Physical Demarcation of Campus Buildings' Network

1. Physical connectivity of campus buildings already connected to the campus network backbone is the responsibility of EDP.
2. Physical demarcation of newly constructed buildings to the "backbone" is the responsibility of EDP. It essentially means exactly at which location the fiber optic based backbone terminates in the buildings will be decided by the System Administrator. The manner in which the building is to be connected to the campus network backbone (whether the type of connectivity should be of fiber optic, wireless or any other media) is also the responsibility of Computer Center.
3. System Administrator will consult with the client(s) to ensure that end-user requirements are being met while protecting the integrity of the campus network backbone.
4. It is not the policy of the Institute to actively monitor Internet activity on the network, it is sometimes necessary to examine such activity when a problem has occurred or when optimizing traffic on the Institute's Internet links.

f. Network Expansion

Major network expansion is also the responsibility of EDP. Every 3 to 5 years, EDP reviews the existing networking facilities, and need for possible expansion.

g. Wireless Local Area Networks

1. Where access through Fiber Optic/UTP cables is not feasible, in such locations considers providing network connection through wireless EDP connectivity.
2. EDP is authorized to consider the applications of Departments, or divisions for the use of radio spectrum from Computer Center prior to implementation of wireless local area networks.
3. System Administrator is authorized to restrict network access to the Cells,

departments, or hostels through wireless local area networks either via authentication or MAC/IP address restrictions.

h. Electronic logs

Electronic logs that are created as a result of the monitoring of network traffic need only be retained until the administrative need for them ends, at which time they should be destroyed.

i. Global Naming & IP Addressing

EDP is responsible to provide a consistent forum for the allocation of campus network services such as IP addressing and domain name services. Computer Center monitors the network to ensure that such services are used properly.

j. Providing Net Access IDs and email Accounts

Website Co-ordinator provides Net Access IDs and email accounts to the individual users to enable them to use the campus-wide network and email facilities provided by the institute upon receiving the requests from the individuals.

k. Disconnect Authorization

EDP will be constrained to disconnect any Department, or cell, hostel from the campus network backbone whose traffic violates practices set forth in this policy or any network related policy. In the event of a situation where the normal flow of traffic is severely degraded by a Department, or cell, hostel machine or network, System Administrator endeavors to remedy the problem in a manner that has the least adverse impact on the other members of that network. If a Department or division is disconnected, Computer Center provides the conditions that must be met to be reconnected.

10. Responsibilities of Departments

EDP needs latest information from the different Administrative Department for providing network and other IT facilities to the new members of the institute and for withdrawal of these facilities from those who are leaving the institute, and also for keeping the MIT web site up-to-date in respect of its contents.

The information that is required could be broadly of the following nature:

- Information about New Appointments.
- Information about Termination of Services.
- Information of New Enrolments.
- Information on Expiry of Studentship/Removal of Names from the Rolls.

- Information on different Rules, Procedures, and Facilities.

a. Supply of Information by Department, or Cell for Publishing on/ updating the MIT Web Site

All Departments or Cells should provide updated information concerning them periodically (at least once in a month or earlier). Hardcopy or softcopy to be sent to the Institute Website coordinator.

- Links to any web pages that have to be created for any specific purpose or event for any individual department or faculty can be provided by the upon Institute Website coordinator receiving the written requests. If such web pages have to be directly added into the official web site of the institute, necessary content pages (and images, if any) have to be provided by the respective department or individual in a format that is exactly compatible with the existing web design/format. Further, such requests along with the soft copy of the contents should be forwarded to the In Charge, well in advance.

b. Security

In connecting to the network backbone, department agrees to abide by this Network Usage Policy under the Institute IT Security Policy. Any network security incidents are resolved by coordination with respective HOD, Cell Incharges in the originating department.

c. Preservation of Network Equipment and Accessories

Routers, Switches, Fiber optic cabling, UTP cabling, connecting inlets to the network, Racks, UPS, and their batteries that are installed at different locations by the institute are the property of the institute and are maintained by System administrator and respective departments.

Tampering of these items by the department or individual user comes under violation of IT policy.

d. Additions to the Existing Network

Any addition to the existing network done by department or individual user should strictly adhere to the institute network policy and with prior permission from the competent authority and information to Computer Center.

Institute Network policy requires following procedures to be followed for any network expansions:

1. All the internal network cabling should be as on date of CAT 6 UTP.

2. UTP cabling should follow structured cabling standards. No loose and dangling UTP cables are drawn to connect to the network.
3. UTP cables should be properly terminated at both ends following the structured cabling standards.
4. Only managed switches should be used. Such management module should be web enabled. Managed switches give the facility of managing them through web so that Computer Center can monitor the health of these switches from their location. However, the hardware maintenance of so expended network segment will be solely the responsibility of the department/individual member. In case of any network problem created by any computer in such network, if the offending computer system is not locatable due to the fact that it is behind an unmanaged hub/switch, the network connection to that hub/switch will be disconnected, till compliance is met by the user/department.
5. As managed switches require IP address allocation, the same can be obtained from Computer Center on request.

e. Campus Network Services Use Agreement

The “Campus Network Services Use Agreement” should be read by all members of the institute who seek network access through the institute campus network backbone. This can be found on the institute web site. All provisions of this policy are considered to be a part of the Agreement. Any Department or individual, who is using the campus network facility, is considered to be accepting the institute IT policy. It is user’s responsibility to be aware of the Institute IT policy. Ignorance of existence of institute IT policy is not an excuse for any user’s infractions.

f. Enforcement

System Administrator periodically scans the Institute network for provisos set forth in the Network Use Policy. Failure to comply may result in discontinuance of service to the individual who is responsible for violation of IT policy and guidelines.

11. Guidelines for Desktop Users

These guidelines are meant for all members of the MIT Network User. Due to the increase in hacker activity on campus, Institute IT Policy has put together recommendations to strengthen desktop security.

The following recommendations include:

1. All desktop computers should have the latest version of antivirus. And should retain the setting that schedules regular updates of virus definitions from the central server.
2. When a desktop computer is installed, all operating system updates and patches should be applied. In addition, operating system updates and patches should be applied regularly, on an ongoing basis. The frequency will be a balance between loss of productivity (while patches are applied) and the need for security. We recommend once in a week cycle for each machine. Whenever possible, security policies should be set at the server level and applied to the desktop machines.
3. The password should be difficult to break.
4. In addition to the above suggestions, EDP recommends a regular backup strategy. It should be noted that even with all the procedures listed above; there is still the possibility of a virus infection or hacker compromise. Backing up data on a regular basis (daily and/or weekly) will lessen the damage caused by the loss of a machine.

12. Video Surveillance Policy

The system comprises: Fixed position cameras; Monitors; digital video recorders; Storage; Public information signs.

Cameras will be located at strategic points on the campus, principally at the entrance and exit point of sites and buildings. No camera will be hidden from view and all will be prevented from focusing on the frontages or rear areas of private accommodation.

Signs will be prominently placed at strategic points and at entrance and exit points of the campus to inform staff, students, visitors and members of the public that a CCTV Camera installation is in use.

Although every effort has been made to ensure maximum effectiveness of the system it is not possible to guarantee that the system will detect every incident taking place within the area of coverage.

Purpose of the system

The system has been installed by institute with the primary purpose of reducing the threat of crime generally, protecting institutes premises and helping to ensure the safety of all staff, students and visitors consistent with respect for the individuals' privacy. These purposes will be achieved by monitoring the system to:

- Deter those having criminal intent
- Assist in the prevention and detection of crime
- Facilitate the identification, apprehension and prosecution of offenders in relation to crime and public order
- Facilitate the identification of any activities/event which might warrant disciplinary proceedings being taken against staff or students and assist in providing evidence to managers and/or to a member of staff or student against whom disciplinary or other action is, or is threatened to be taken.

It is recognized that members of institute and others may have concerns or complaints about the operation of the system. Any complaint should be addressed in the first instant to the system administrator.

13. Web Application Filter

- Default Block Category in Firewall
 - Weapon
 - Phishing and fraud
 - Militancy and Extremist
 - Gambling
 - Pro-Suicide and self-Harm
 - Criminal Activity
 - Marijuana
 - Intellectual Piracy
 - Hunting and Fishing
 - Legal highs
 - Controlled substances
 - Anonymizers
 - Sexually Explicit
 - Nudity
 - Advertisement



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