



RVS TECHNICAL CAMPUS – COIMBATORE

(An Autonomous Institution)

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

Kumaran Kottam Campus, Kannampalayam Post,

Coimbatore – 641402.

MEASURES FOR CYBERSECURITY

Create Dynamic Cybersecurity Policies for Students and Institute

User accounts and Administration

- (a) Students and faculty should use their own accounts and maintain cyber sanitization as per ITMC instructions.
- (b) Maintain required account management policies and should not tamper with their own requirements.
- (c) Students should inform institutes about any type of misconfiguration found in their accounts. Teachers should also follow the same.
- (d) Students and teachers should maintain their entry/exit information correctly.
- (e) Students and faculty should follow every instruction of the ITMC about their user account management.

Academic Policy and Strategy of Cybersecurity and Management

General User Accounts:

- (a) General purpose users should access their accounts as per instruction of Institute/ITMC.
- (b) Users should not try to install unwanted software/programs without prior permission of Institute/ITMC.
- (c) Users should accept time to time policy implementations and follow the rules as per the guidance of Institute/ITMC.
- (d) Students/teachers should not use these accounts for social media/personal purposes.
- (e) Student teachers should not save unwanted images and files in this account.
- (f) Students/teachers should not access other data with the help of these accounts.



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Physical Security

- (a) Users should maintain the physical security of the system.
- (b) Users and lab assistants should monitor the lab and its premises from time to time.
- (c) Lab in-Charges should ensure security management of entrance and exit of lab premises.
- (d) Lab in-Charges should keep the necessary records of lab timing and asset management.

User and Access Rights Assignment

- (a) Administrator accounts should be maintained by Institute.
- (b) Administrators should implement security policies as per requirement.
- (c) Administrator should audit all computers and keep records.
- (d) Access to information and information processing facilities shall be provided after due process of identification, authentication and authorization. Access to information assets shall be controlled.
- (e) Access to information and Information systems shall be regulated using unique User IDs.

Data Security

Database Administrator

A database administrator will be nominated by the institution who will be responsible for all database functions and manages the user authorized list and deals with the management of all the data stored in the database.

Software Configuration and Change Control

- (a) All changes in hardware, software, and their configuration will be analysed, approved, and carried out in a controlled manner under supervision.
- (b) System formatting, Recovery, Repair and Restore permission from appropriate authority must be taken in prior to format, recovery, repair, or restoration of information system assets including computers and laptops, external storage disks, etc.



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Network and Communication Security

Rules to access both internal and external network servers/resources:

- (a) Use of network services and its resources will be formulated by the Institute/ITMC. The policy clears the methodology that users must follow to access authorized networks and resources.
- (b) Equipment like network devices and terminals will be configured to automatically identify the device on a network.
- (c) Remote access to the sources on the LAN will only be permitted to authorized users only

Software Protection and Management:

- (i) Only licensed versions of OS (Windows/ Linux application) and custom software (MSOffice, Adobe) should be used. Users should not install any OS other than provided by the Administrator.
- (ii) Application software should be licensed and should be periodically checked by the administrator and issuing authority.
- (iii) User/system administrators should check periodically whether all softwares are regularly updated with genuine patches.
- (iv) Use of pirated unlicensed /cracked software is strictly prohibited within the official system.

Power Damage Prevention

IT equipment should be protected from power failures and other disruptions. Standby arrangements, in terms of uninterrupted power supply and backup power, shall be used.

Roles and responsibilities

Role of Staff: All staff members should be responsible for following the IT policies specified by institute and guiding the students to make understand the importance of following organizational IT policies.



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Role of Students: All the students will be responsible for following the IT policy guidelines and inform the staff in case of any compromises or attacks on accounts.

The following Cyber Security Measures are implemented in our ITMC.

- ❖ All the Operating System software and Application software were updated periodically
- ❖ No Cracked or Duplicate software products were installed
- ❖ All the Official Passwords were created as per the security measures and changed frequently
- ❖ Our College Network is protected by WatchGuard Firewall System
- ❖ Ignoring Suspicious E-Mails
- ❖ Access restricted except for administrators to the Confidential Data
- ❖ Periodic data backups
- ❖ Securing our Wi-Fi Network with IP and Strong Passwords