

IT Security and Standards



IT Security is a combination of three things generally confidentiality, Integrity and Availability. All devices may it be a Laptop, Computer, Smartphone or a device with storage capabilities has data stored in it. Some may be personal some may be business or in some cases confidential data. Now with advancement of technology cloud computing is the next big thing, one can store data on a virtual drive which can be accessed from anywhere.

How does one prevent their valuable data from unauthorized access, modification or destruction??

One cannot manually list information and send it via mail. Let's admit it, it is way too time consuming, and there are chances of it to be intercepted. With the advancement of technology, there is a increase in security issues, and to cope up with these security issues IT Security plays a vital role in securing data. The data from the transmitting side is encrypted, and the receiving end needs to decrypt the data to view it. It is the process between the transmitting and receiving that the data is vulnerable to cyber criminal activities.

May it be some business deal information that must not be disclosed, any government organization that needs to deliver classified information, a research facility transmitting classified information or even hospitals. To keep themselves, their employees and their products safe companies and organizations need to have a certificate assuring people that they are in safe hands. And to receive such a certificate, they have to make sure that they follow the IT standards that every organization is asked to fulfill.

With the rise in physical criminal activities, in the world, there has been a rise in cyber criminal activities. To make sure that the companies prevent themselves from those illegal activities IT Security and Standards are necessary.