

Computing  
**Ethics**  
CCCY-112

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**Section:**

**1. Communication channel is secure for secure communication of the data:**

Firstly, you can identify the communication channel by which information is conveyed between devices and users on a network either by voice communication or multi-media communication etc. but we have a problem that not all the channels are secured enough, we can increase the security by implementing the following: first, we have to reduce the network's complexity because more complexity more vulnerabilities and risk will be threatened by.

**2. User authentication is secure enough to stop unauthorized login attempts:**

The authentication is known as ensuring the access done by the user is given to the real account owner, to be specific there is a single and double authentication factors. The single factor used when the data is not very important and sensitive because it is less complex than the two factors which are using additional authentication method to verify the user. For instance, when you try to login to your bank account you must have the password and PIN code. If you failed to login, that will be recorded in the logbook which saves all the information for the user who is trying to login to the bank account. As a result, it will not let anyone to login to the account for 24 hours. After that, if the failed attempt kept going on, the account will be temporarily banned until you visit the branch.

**3. Privacy of users is not compromised:**

Privacy is one of the components of (IT) that deals with the power to make decision about what data in a computer can be shared with a third party and what are not.

We can limit the compromising of the privacy by creating a system that detects and prevents the crackers who are trying to steal the data. Moreover, using data encryption concept to increase the user's privacy so that even the employees cannot have access to their data, but they are the only ones who can crack the encryption's code and access their data. Thus, giving an advantage to the user by decreasing the data stealing incidents. Furthermore, it can also damage the application reputation and the rating. As a result, that might backfire on the organization's profits