Cryptography is the study of methods of sending messages in disguised form so that only the intended receiver can remove the disguised and read the message.

The three important principles of security

1. **Confidentiality**
   The principle specifies that only the sender and the intended receiver should be able to access the contents of the message.
2Integrity
User should make sure that no one should interfere with data. This is the principle of Integrity.

3Message Authentication
Authentication process ensures that the origin of electronic message or documents is correctly identified.

We are living in the information age. We need to keep information about every aspect of our lives. To be secured, information needs to be hidden from unauthorised access (confidentiality), protected from unauthorised change (integrity) and available to an authorised entity when it is needed. (Message authentication). Cryptography plays a major role in many information technological applications. Many applications such as electronic mails, e-Banking, Medical Databases and electronic commerce require exchange of private information.