**INNOVATIVE TEACHING PRACTICE**

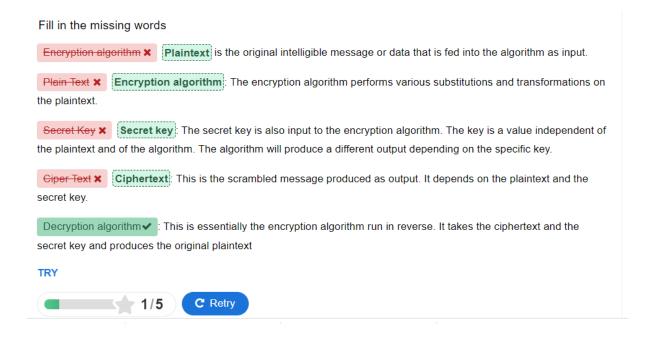| | | |
|---|---|---|
| Course Faculty | : | Dr.G.Nalinipriya |
| Course | : | Cryptography and Network security |
| Subject Code | : | 19CS412 |
| Year | : | III Year /V Sem |
| Teaching Unit | : | Unit 1 |
| Teaching Topic | : | Classical Encryption Techniques |
| Activity | : | Fill in the Missing Words |
| Learning Outcome | : | Students will learn clearly about the Classical Encryption Techniques |

## Classical Encryption Techniques

Fill in the missing words

[_____] is the original intelligible message or data that is fed into the algorithm as input.

[_____] : The encryption algorithm performs various substitutions and transformations on the plaintext.

[_____] : The secret key is also input to the encryption algorithm. The key is a value independent of the plaintext and of the algorithm. The algorithm will produce a different output depending on the specific key.

[_____] : This is the scrambled message produced as output. It depends on the plaintext and the secret key.

[_____] : This is essentially the encryption algorithm run in reverse. It takes the ciphertext and the secret key and produces the original plaintext

✓ Check

The above Screen Shows the Question. After Attending the above Activity by the students, they can get, Solution Window. Below screen explains the same.

## Fill in the missing words

~~Encryption algorithm~~ ✘ Plaintext is the original intelligible message or data that is fed into the algorithm as input.

~~Plain Text~~ ✘ Encryption algorithm : The encryption algorithm performs various substitutions and transformations on the plaintext.

~~Secret Key~~ ✘ Secret key : The secret key is also input to the encryption algorithm. The key is a value independent of the plaintext and of the algorithm. The algorithm will produce a different output depending on the specific key.

~~Ciper Text~~ ✘ Ciphertext : This is the scrambled message produced as output. It depends on the plaintext and the secret key.

Decryption algorithm ✔ : This is essentially the encryption algorithm run in reverse. It takes the ciphertext and the secret key and produces the original plaintext

**TRY**

1/5    ⟳ Retry

Students can practice many times to understand the Topic of study.