A logo with text and symbols

Description automatically generated

***Course No: SWE 430***

***Information and Network Security Lab***

**Assignment on**

**Lab 4: Programming Symmetric & Asymmetric Crypto**

**Submitted To:**

Partha Protim Paul

Lecturer, IICT, SUST

**Submitted By:**

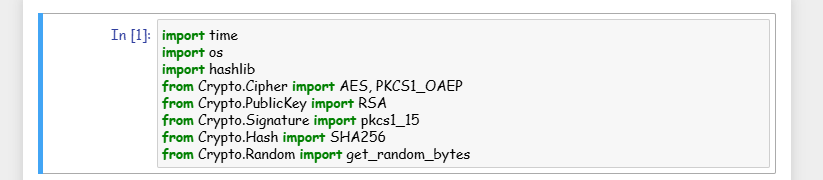
Promi Mojumder

Reg No: 2019831038

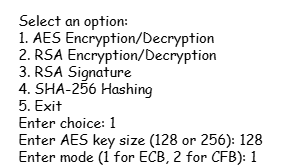
IICT, SUST

**Lab 4: Programming Symmetric & Asymmetric Crypto**

1. **Importing the necessary libraries:**

****

1. **AES encryption/decryption with two key lengths, 128 and 256 bits, and two modes ECB and CFB:**

****

**A close up of a text

Description automatically generated**

****

**A black text on a white background

Description automatically generated**

1. **RSA encryption and decryption:**

****

**A close-up of a computer code

Description automatically generated**

**A white background with black text

Description automatically generated**

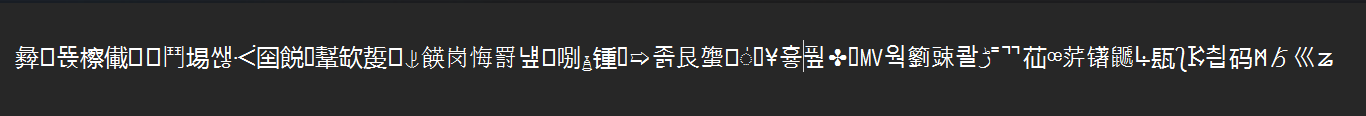
1. **RSA Signature:**

****

**A close-up of a document

Description automatically generated**

* **RSA signature:**

****

1. **SHA-256 hashing:**

**A screenshot of a computer

Description automatically generated**

**A black text on a white background

Description automatically generated**