Group-4 Abstract submission

-Maulikkumar Bhalani-AU1940206

-Umang Patel-AU1940174

-Jinil Chandarana-AU1940121

-Keyur Nagar-AU1940207

CRYPTOGRAPHY

**What is cryptography?**

***Cryptography, or cryptology, is the practice and study of techniques for secure communication in the presence of third parties called adversaries.***

* **Summarize Problem**

Encryption and decryption of .JPG and .MP4 using concept of AES with the help of linear algebra for the motive of data security.

* **Concept of linear algebra used**

1) Galois field

2) Matrix Multiplication

3) Row and Column permutation

* **Project Description**
* LOG IN from the user in order to Securing the programme. Encryption of the Image or the video as per the path set by the user. The non-readable Encrypted file to be generated at the same location. In order to decrypt the file same credentials required.