**Video Encryption and Data Hiding:**

Select Video

Frame analyze

Choose key and enter message

Randomly select frame

Data hiding using syndrome trellis coding and DCT for key exchange process

Video Encryption Using AES algorithm

Encrypt Video

**Data Extraction and Video Recovery:**

Select Encrypted video

Data Extraction using syndrome trellis coding

Video decryption Using AES algorithm

Extract Video and Data

Frame checking using Frame Grabber

**Video Encryption:**

AES algorithm is used. Here with attached AES algorithm pdf paper

**Data Embedding:**

Syndrome trellis coding is used. Here with attached syndrome trellis coding algorithm pdf paper

**Frame Checking**

Frame Grabber method is used. It is one type of method in c#. This function is used frame capturing process depends on the frame size.