**Synopsis**

114015038 G.UDAY KUMAR REDDY. Place: SASTRA

114015052 P.KIRAN.

**Concealing secret message in an image using NUAIS and secret sharing algorithm**

The secret text message is to be transmitted by initially encrypting it to cipher text and later concealing it in a colour bit-map image by using Non Uniform Adaptive Image Segmentation (NUAIS) and secret sharing algorithm. These steganography techniques are to be used to work against visual and statistical attacks.

The current project focuses on using encryption algorithm to create a cipher text which is to be embedded in a cover image. The cover image is subjected to Non Uniform Adaptive image segmentation, where the image is divided into various segments using the input password provided by the user. Later the cipher text is concealed into various segments of the cover image. Later a retrieving algorithm is used to obtain the initial stego-image. Finally the cipher text is extracted by using the password used for segmentation. Later, decryption algorithm is used to retrieve the final text message.

The platform used for implementation is JAVA and the code is executed successfully.

**SRINIVASAN B**