

## Least Significant Bit Steganography

### Steps :

1. keyset
2. Encoding
3. Decoding

### Keyset

Keyset is a data structure which takes three argument while creating the object(start\_x,start\_y,key).

Start\_x for each row and start\_y for column, key should be prime number.

Note : start x and start y should not be prime no. and Secrek key should be prime number

2 4 7

### Encoding

Encoding\_text takes two argument(image\_path,keyset)

```
encoded_filename = encodeText("Cover_2 (1).png", keyset)
```

Shape of given image is (222, 223, 3)

Enter your message to be encrypted : welcome to iitbbs(satendra)

### Decoding

'decodeText' is a method will take two argument first are 'encoded\_image\_path' that is present in 'root\_folder' and same 'Keyset' use by sender.

```
decodeText(encoded_filename, keyset)
```

```
'welcome to iitbbs(satendra)'
```