

Readme

Task-1 Sender side- encoding the data with CRC (generating codeword)

Use the following bit streams to test the codeword

- **Test Data set 01**

$$D(x) = 100100$$

$$G(x) = 1101$$

- **Test Data set 02**

$$D(x) = 1011011$$

$$G(x) = 11$$

- **Test Data set 03**

$$D(x) = 11100011$$

$$G(x) = 110011$$

Task-3 Receiver side- decoding the data

- **Test Data set 01**

$$\text{received_data} = 1110001111010$$

$$G(x) = 110011$$

- **Test Data set 01**

$$\text{received_data} = 1110001101101$$

$$G(x) = 110011$$