

## Networking Lab (EC-692)

### Parity Generator and Checker assignment

1. Write a C code to encode a user provided dataword using Even and Odd Parity bit procedure.

[Take a bit stream as input. Find even parity bit, even parity codeword and odd parity bit, odd parity codeword.]

2. Write a C code to decode a user provided codeword using Even and Odd Parity bit procedure. Provide the output along with original data (good/bad).

[Take codeword and choice of user (even parity/odd parity) as input – if the codeword and the choice both are same (say codeword is in even parity and user choice is also even) output will be “**accepted**” and print the original **dataword**. Otherwise output will be “**Rejected / wrong codeword received**”]