Computer Engineering Department, SVNIT Surat

Computer Network-CS303

Tutorial-3

O What will be the "Hamming Distance" for all the different combination and minimum "Hamming Distance" for given coolewoods.

Datamordo.	Codemondo.
00	00000
01	01011
10	10111
1)	11 111

- @ Find minimum "Hamming Distance" for ->
 - a) retection of two everous.
 - 6) Correction of two excors.

3 Click whether the given codewords are linear code or . Give justification for your answer.

Cooleworld
00000
01011
10111
11 11 1

- (a) In CRC, given the datamord 1010011110 and the divisor 10111
 - a) Show the generation of coclemand at som sender site
 - 6) Show checking of cooleward at the receiver site.
- (3) In Hamming code ((7,4)
 - a) if stata word at sender location is 0101, what will be the codeword?
 - c) of receiver receives 000/110, what will be the syndrome value (for \$1, \$0) and which but is coverefted deviing transmission? What will be the drived dataward from received rade word?