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Pg. No.:....32.... Date:....

Practical 11	Egigiosi Detection: LRC and Checksum
	a Split the message stream into sub-frames and find checksum by performing xor operations on frame bits
	b. Penfonm IRC detection method while sending/ neceiving message at senden & neceiven side.
*	Objective
	The objective is to implement error detection techniques using Checksum and IRC (Longitudinal Redundancy Check). This involves calculating the checksum by performing xor on frame hits and applying IRC for error detection during transmission between sender and receiver.

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Pg. No. : ...3.3.....

*	Code:-
	H:= 1 10 c al 1: 1 :
	#include < stdio.h >
	usigned chan calculate LRC Cunsigned change *data, int length) & unsigned chan lnc = 0; for Cint i = 0; i < length; i+t) & lnc += data [i]; 3
	1910 = C~1910) + 1;
	910tun 1916;
	3
	1 Library Local 1 At Comment of the Control
	roid printBinary Cunsigned char byte) & for Cint i = 7; i >= 0; i) {
	printf ("%d", Cbyte >>i)&I);
	3
	Accounting the contrast of the
	int main () {
	unsigned chan dataToSend[]= {0x41,0x42,0x43, 0x443:
	int datalength = size of Colata To Sends /
,	Size of Codata To Send EOJ);
	unsigned chan Inc = calculateLRC CdataTo Send,
	datalength);
	dataToSend [datalength] = 191c;

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	Date :
parintf c"Data with appertunctions Cint i = 0; i < datalon parintBinary C dataTo parintf c" "");	nden LRC (in binany):\n").
paint Bingay Codate To	Send Fi 7 7:
printf (" ")	Scho Class
3	
Printf C"\n");	
netunn 0;	No.
3	
V. 0	
* Output	
Darker will	
Data with append LRC Ci	n binany):
01000001 01000010 010000	
0200010 020000	1 01000700 11110110
*Learning Outcome	
J	and the state of t
Learn LRC and checksum	- based ennon
detection	
11 1 2 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2	
Understand XOR operations	tog Checksym
calulation.	
(ruin hands - ar avaguiance	141. 111 1122 222 11
and binany data representa	Lion blewise operations
- sura data depresente	ALIAIT.