	Supervisor's Name Signature & Date Roll No.  Pg./Suppl.No: Date:
	Hamming Correction and detection Code >
Gor	Sender Sonds Ascii Character H. 1001000 by applying hammin, Corde
*	Mechanism Consider Evan parity leit.  Message = 1001000
P bits =	noi a) cheek bit $\gamma = 4$
	7-14-1 5 24 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	So length of Code word  m+x=7+4=11
	P, P2 1 P3 0 0 1-P4 0 0 0 0 1 1 2 3 4 5 6 7 8 9 10 11
*	position of check bit -7
	1 2 4 8 202166 3 N
Now	We check bit Values using Even pairty of check bit

	Supervisor's Name Signature & Date Roll No.	Pg./Suppl.No: Date:
		P4 P3 P2 P1
	Pasition of Pi	8 4 2 1
	1,3,5,79,11	
	The final state of the state of	0 0 0 0 0
	14 1 6 1 0 0	0 0 0 -2
	To maintain oven poin	0011-3
	We insect P1 = D1	0100-4
		0   0   -5
	position of P2 =	0 1 0 - 6
Mexico	2,3,6,7,10,11	0 1 1 1 - 7
7 - 10 - 1	19 1 0 1 0 0	1001-9
, 500 m	Mamtain Even poorh	0 1 0 - 10
	P2 = 0	1 1 0 0 - 12
100		1 / 0 - 13
m-)	position y P3 - 6	1 1 1 1 - 15
	= 4,5,6,7,00	
	7 0 0 1	7.9
	To Satisfy Even parity	
	We Insert / P3 = 1	
		7
- × C	Position of Py =	
7.2302,3.50	8,9,10,11	
	[3] 0 0 0 /19 = 0	
all the state of t	The state of the s	

+	
	Supervisor's Name Pg./Suppl.No: Signature & Date Date:
	How the Sender Sends
	m+x= 7+4-11 Codevard 15
0	P1 P2 D1 P3 D2 D3 D4 P4 D5 D6 D2
	06 07
- 2	0.0.110010000
3	
4	
-5	Ongmal Message Send by Sender 1
	How at
- 6	Reund side 7
	Recover state 7
	It receiving End it applies hamming
	St receiving End it applies hamming Code System to detect invaled cheeklib.
- 10	To identify which data leit is changed.
The Millian	It Calculate sum of all postern of invalid check
- (3	leet.
	Supp. reeves recurs
	001101110000
	position = 1 2 3 4 5 6 7 8 9 10 11
704	Now chak bit postron PI
	P1=1357911
	010100 = Even
King I	
1	

	Supervisor's Name Pg./Suppl.No: Signature & Date Date:
	TON NO.
A CONTRACTOR OF THE CONTRACTOR	P2 = R, 3, 6, 7, 10, 11
1	= 0 0 1 1 0 0 Todd / X
	7040
\	
	$r_3 = 4, 5, 6, 7$
	10 / lodd/x
mar de la	p 8.9.10,11
	P4 = 8, 9, 10, 11
	0000
James	So there are two Invally 6th at posttren
	described 12 22 200 and a
	7 7 7 2 + 4 = 6
	So the Value of 6th det is moraled.
Va.	So Hamming Correction mechanism
7	change ut from 1 to 0
	6 1 LE 1 1 6 5
14.	le corrected code 18
	0.0.110010000
ž	And the state of t

2	Supervisor's Name Signature & Date Roll No.  Pg./Suppl.No: Date:
	Grample -
	Calculate Hamming bit for data message
	100/ assume Even parity.
	m=401= 1 5700 1001
<u> </u>	Hur mony pardy by
	$m+r+1 \leq 2^r$
. 1	4+3+1 \le 2 -8 \le 8 True
*	Posthon of 67h
	1 2 4 2
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
	1,000 2 110 0 11 - 2
72	0, = 1, 3, 5, 7
	0, 2 2, 3, 6, 7
	1 1 0 1 C2 = 0 Gran
3 1 2 2	

	Supervisor's Name Pg./Suppl.No:
	Signature & Date Date:
	IXUII IVO.
	D2 = 4567
* * *	P3 = 4 5 6 7
	100 de
	Thus data Send by Lendel 4
	Thus data Send by Sendel 4
	0011001
	Keevre Side -> 1 2 3.4 5 67
	001001
195	Again check 0 = 1 3 5 Z
	De la Companya del Companya de la Companya del Companya de la Comp
	0 1 0 1
	. 0 0 1 7
	$P_2 = 2, 3, 1, 7$
	0 1 0 1 2 Gran
	P2 - 11 6 ( 7
	1329,5,6,7
	1001 = Even
	No Grer Jorend.
	Record Wede word & Correct.