## Sensor Error detect

D = right most bit A = left most

K Map:-

		Мар	)	
$\overline{A}.\overline{B}$ $\overline{A}.B$ $A.B$ $A.\overline{B}$	0 0 1	C.D 1 1 1 1	1 1 1	C.D 0 1 1 1
Map Layout				
	$\overline{C}.\overline{D}$	C.D	C.D	$C.\overline{D}$
$\overline{A}.\overline{B}$	0	1	3	2
$\overline{A}.B$	4	5		6
A. <u>B</u>	12	13		14
$A.\overline{B}$	8	9	11	10

Sum of Products:-

$$y = D + B.C + A.C + A.B$$

## 2 level circuit:-

