Don Bosco Institute Of Technology

Department Of Information Technology

Date - 19/01/2023

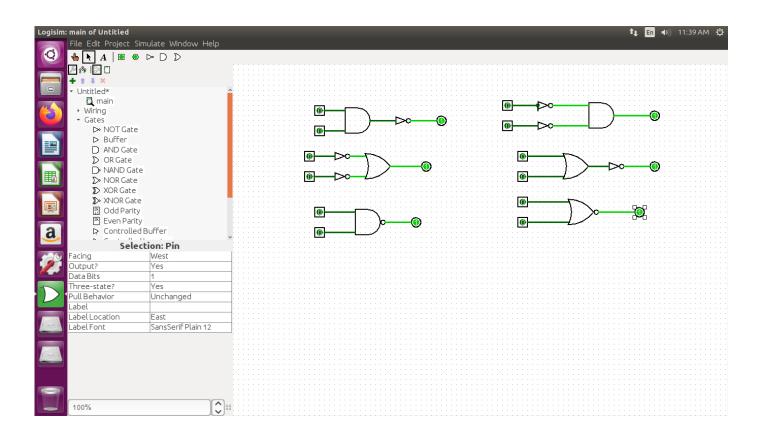
Microprocessor Lab

Experiment No 2

Name – Afzal Siddiquie Class – SE-IT Roll No :- 62

AIM :- Implement DeMorgans Theorem Using Logisim

Screenshot:-



Truth Table :-

1) A.B = A + B

A	В	A.B	A.B	A	В	A+B
0	0	0	1	1	1	1
0	1	0	1	1	0	1
1	0	0	1	0	1	1
1	1	1	0	0	0	0

2) X.Y = X+Y

X	Y	X	Y	X+Y	X.Y	X+Y
0	0	1	1	0	1	1
0	1	1	0	1	0	0
1	0	0	1	1	0	0
1	1	0	0	1	0	0