VERILOG CODE : DEPARTMENT OF CSE

EXPERIMENT : 1

AND GATE : https://www.edaplayground.com/x/euBZ

OR GATE : https://www.edaplayground.com/x/JvNH

NAND : https://www.edaplayground.com/x/QrwX

NOR : https://www.edaplayground.com/x/pXdj

NOT : https://www.edaplayground.com/x/EDWh

XOR : https://www.edaplayground.com/x/EDWt

XNOR : https://www.edaplayground.com/x/76KE

EXPERIMENT : 2

TRI STATE BUFFER :

https://www.edaplayground.com/x/uSie

UNDIRECTIONAL BUS :

https://www.edaplayground.com/x/rD4L

EXPERIMENT : 3

IMPLEMENTATION OF BOOLEAN FUNCTION :

https://www.edaplayground.com/x/7gB4

TWO COMPLEMENT :

https://www.edaplayground.com/x/8kiq

FUNCTION MINIMIZATION :

https://www.edaplayground.com/x/GKdE

EXPERIMENT : 4

IMPLEMENT 4*1 MULTIPLEXER :

https://www.edaplayground.com/x/f2Sm

IMPLEMENT 8*1 MULTIPLEXER :

https://www.edaplayground.com/x/Tg6f

IMPLEMENT 3 TO 8 DECODER (Xilin ISE) :

https://www.edaplayground.com/x/XWcp

EXPERIMENT : 5

IMPLEMENT PRIORITY ENCODER :

https://www.edaplayground.com/x/jwXg

IMPLEMENT MAGNITUDE COMPARATOR :

https://www.edaplayground.com/x/f8be

FUNCTION IMPLEMENTATION :

Loading.. ☹

EXPERIMENT : 6

BINARY TO BCD CONVERTER

https://www.edaplayground.com/x/W2Pv

BINARY TO GRAY CODE CONVERTER

https://www.edaplayground.com/x/LJNy

GRAY CODE TO BINARY CONVERTER

https://www.edaplayground.com/x/pr6e

BINARY TO EXCESS-3 CODE CONVERTER

https://www.edaplayground.com/x/GWwG

EXCESS-3 CODE TO BINARY CONVERTER

https://www.edaplayground.com/x/YiHr

EXPERIMENT : 7

HALF ADDER

https://www.edaplayground.com/x/ees6

FULL ADDER

https://www.edaplayground.com/x/c23b

4-BIT ADDER/SUBTRACTOR

https://www.edaplayground.com/x/ukBZ

EXPERIMENT : 8

INCREMENTER CIRCUIT

https://www.edaplayground.com/x/NWZx

DECREMENTER CIRCUIT

https://www.edaplayground.com/x/TvMp

EXPERIMENT : 9

D FLIP FLOP

https://www.edaplayground.com/x/vHxx

SR FLIP FLIP

https://www.edaplayground.com/x/wNWi

JK FLIP FLOP

https://www.edaplayground.com/x/CJs4

T FLIP FLOP

https://www.edaplayground.com/x/CrdS

EXPERIMENT : 11

SISO

https://www.edaplayground.com/x/mFMb

SIPO

https://www.edaplayground.com/x/VamQ

PISO

https://www.edaplayground.com/x/EaN8

EXPERIMENT 10 & REST PART I UPLOADED SOON