**VERILOG CODE : DEPARTMENT OF CSE**

**EXPERIMENT : 1**

**AND GATE :** [**https://www.edaplayground.com/x/euBZ**](https://www.edaplayground.com/x/euBZ)

**OR GATE :** [**https://www.edaplayground.com/x/JvNH**](https://www.edaplayground.com/x/JvNH)

**NAND :** [**https://www.edaplayground.com/x/QrwX**](https://www.edaplayground.com/x/QrwX)

**NOR :** [**https://www.edaplayground.com/x/pXdj**](https://www.edaplayground.com/x/pXdj)

**NOT :** [**https://www.edaplayground.com/x/EDWh**](https://www.edaplayground.com/x/EDWh)

**XOR :** [**https://www.edaplayground.com/x/EDWt**](https://www.edaplayground.com/x/EDWt)

**XNOR :** [**https://www.edaplayground.com/x/76KE**](https://www.edaplayground.com/x/76KE)

**EXPERIMENT : 2**

**TRI STATE BUFFER :**

[**https://www.edaplayground.com/x/uSie**](https://www.edaplayground.com/x/uSie)

**UNDIRECTIONAL BUS :**

[**https://www.edaplayground.com/x/rD4L**](https://www.edaplayground.com/x/rD4L)

**EXPERIMENT : 3**

**IMPLEMENTATION OF BOOLEAN FUNCTION :**

[**https://www.edaplayground.com/x/7gB4**](https://www.edaplayground.com/x/7gB4)

**TWO COMPLEMENT :**

[**https://www.edaplayground.com/x/8kiq**](https://www.edaplayground.com/x/8kiq)

**FUNCTION MINIMIZATION :**

[**https://www.edaplayground.com/x/GKdE**](https://www.edaplayground.com/x/GKdE)

**EXPERIMENT : 4**

**IMPLEMENT 4\*1 MULTIPLEXER :**

[**https://www.edaplayground.com/x/f2Sm**](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**](https://www.edaplayground.com/x/XWcp)

**EXPERIMENT : 5**

**IMPLEMENT PRIORITY ENCODER :**

[**https://www.edaplayground.com/x/jwXg**](https://www.edaplayground.com/x/jwXg)

**IMPLEMENT MAGNITUDE COMPARATOR :**

[**https://www.edaplayground.com/x/f8be**](https://www.edaplayground.com/x/f8be)

**FUNCTION IMPLEMENTATION :**

**Loading……………………………………………. ☹**