**Name**: Venkata Krishnarjun Vuppala **Semester**: 6

**SRN**: PES2UG19CS451 **Section**: G

**Subject**: Topics in Deep Learning

**Assignment 1**

**Lab programs**

1. **Implementation of XOR function using basic gates.**

**A screenshot of a computer

Description automatically generated with medium confidence**

1. **Implementation of neural network using tensorflow and keras**

[**https://keras.io/guides/sequential\_model/**](https://keras.io/guides/sequential_model/)

**Text

Description automatically generated**

**Text

Description automatically generated** Text

Description automatically generated

**Graphical user interface, chart

Description automatically generated**

**A screenshot of a computer

Description automatically generated**

**3. Implementation of computational graphs using tensorflow for simple expressions like e=(a+b)∗(b+1).**

Text

Description automatically generated

Diagram

Description automatically generated