ICA-4

1. **Use Neural network for implantation of 'AND' and 'OR' functions by using Python language.**
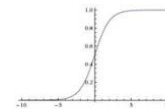   - Show in a graph (for visualization of 'AND' and 'OR')
   - Show the equation of the line
   - Mention the weight
   - What is the bias
   - Show the calculation in a table
   - Include the code as well

2. **Use Python to draw Activation functions**
   - Sigmoid
   - Hyperbolic tangent
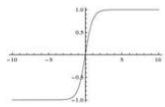   - ReLU
   - A graph to superimpose all three

Sigmoid

$$\sigma(x) = 1/(1 + e^{-x})$$

tanh   tanh(x)

$$tanh(x) = \frac{e^x - e^{-x}}{e^x + e^{-x}}.$$

ReLU   max(0,x)