# **Machine Learning**



## **Assignment 2**

### **Prepared By**

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#### 1. XOR:

#### **Result for XOR**

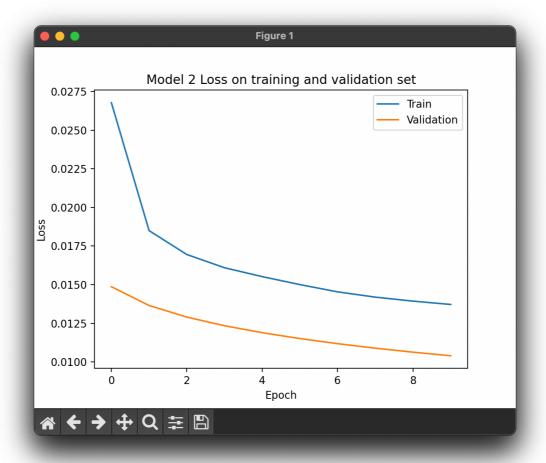
```
Model 1
2 -> 3 -> 1
Activation Function: Hyperbolic Tangent
Learning rate: 0.1
Max Epochs: 1000
Early stopping: 5
Model 1
Test Accuracy: 1.0
Model 2
2 -> 3 -> 1
Activation Function: Sigmoid
Learning rate: 0.1
Max Epochs: 1000
Early stopping: 5
Model 2
Test Accuracy: 0.5
```

#### 2. MNIST:

#### Model 1



#### Model 2:



#### Model 3:

