

**Computer Science and Engineering Department, SVNIT, Surat**  
**M.Tech-I, Semester-I**  
**Machine Learning (CSE605)**  
**Assignment - 9**

Aim: To study Neural Network in machine learning.

Refer to the following link:

<https://www.kaggle.com/code/vitorgamalemos/multilayer-perceptron-from-scratch>

Associated dataset is attached with an assignment.

Do the following:

1. Explain the working of the code as given in the link.
2. Explain in detail the optimal number of epochs for each activation function (Relu, Sigmoid).