Data Science Lab (CS 356)

Assignment 7

Date: 14.03.2022   **Due Date:21.03.2022**

Instructions to submit the lab assignment

a. *Add proper comment lines for each important step of the code.*
b. *All the codes should be in same file.*
c. *Name each file as rollnumber_assignmentnumber.pdf.*
d. *Upload the program file in google classroom.*

1. Implement a Simple Neural Network Model and predict if a person will buy insurance or not for the given dataset. [Excel Uploaded in Google Classroom]

2. Use the given dataset and build a customer churn prediction model using artificial neural network. [Concept used: ANN Classification, Use Multiple Hidden Layers, Confusion Matrix to check the accuracy rate of the model]

    Dataset: https://www.kaggle.com/mltuts/churn-modelling-data?select=Churn_Modelling.csv