BSc in Information Technology Specializing Data Science
Semester 02
Lab Exercise 10
IT3071 – Machine Learning and Optimization Methods 2022
Reinforcement Learning – Support Vector Machines

(01) Import the diabetes dataset to the Python environment.

(02) Split the data into training & testing.

(03) Fit a Support Vector Classifier model under Support Vector Machines to predict the

   Outcome variable using all the predictors.

(04) Find the prediction accuracy using testing data.

(05) Instead of the Validation Set approach, using the Cross Validation approach, find the

   prediction accuracy using the same SVM model.

(06) Compare the results obtained in (04) and (05).