COIMBATORE INSTITUTE OF TECHNOLOGY

PROBLEM STATEMENT - 1: PREDICTION OF DIABETES

AIM:

Predict which patient has diabetes from Diabetes Database.csv and try to understand the dataset attributes and try to figure out type ML model suits and build from scratch.

DATASET:

The dataset diabetes.csv contains pregnancies, glucose, Age etc., and using this i'm going to predict the which person has most probability of the getting the diabetes

SOLUTION:

I have imported the functions like numpy, pandas, matplotlib.pyplot, seaborn, logisticregression and train_test_split. Then I have read the dataset and displayed the dataset. Then I have used the read() function for viewing the top five rows in the dataset and displayed the values of outcome attribute by using the above command. Then finally I have used logistic regression and I have calculated the cost and the test accuracy.

Here i got the test accuracy as 77%

OUTPUT:





