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UNIVERSITY** | PUNE
TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIP

School of Computer Engineering and Technology

T. Y. B. Tech. CSE (Cyber Security and Forensics) Semester V

Academic Year: 2023-2024

Artificial Intelligence and Machine Learning (CET3026B)

Assignment 4

Title - Write a program to implement a logistic regression for a given dataset, e. g. titanic dataset / pima Indian diabetes database.

Aim - Write a program to implement a logistic regression for a given dataset, e. g. titanic dataset.

Objective –To study the logistic regression machine learning algorithm.

Algorithm – Logistic Regression

Platform – Windows

Theory –

1. What do you mean by Logistic Regression?
2. What are the different types of Logistic Regression?
3. About Titanic dataset?

FAQs –

1. Explain different features type.
2. How do we handle categorical variables in Logistic Regression?
3. What are the assumptions made in Logistic Regression?
4. Can we solve the multiclass classification problems using Logistic Regression? If yes, then How?
5. What insights can be gained from the data analysis and the model's predictions?

Note: Entire write-up should be between 2-3 pages.

Download from the course
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file contains

the details of each passenger
on the Titanic and also
whether they survived or not.

A brief description of the
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