## Department of Computer Engineering Jamia Millia Islamia, New Delhi-110025

B.Tech 4<sup>th</sup> Year (Semester -8) 2023 Subject: Machine Learning Techniques Paper Code: CEN-809

## **Assignment**

Q1	Explain Machine Learning development life cycle (MLDLC).
Q2	Find a multiple regression model for the following data using Matrices formulation:
	x1 4 7 2
	<b>x2</b>   5   2   6
	<b>Y</b> (output)   6   11   4
Q3	What is Curse of Dimensionality?
Q4	Explain the Logistic regression using perceptron logic.
Q5	Explain:
	(a) Vanishing/Exploding Gradient Problem
	(b) Early stopping
	(c) How to in improve the performance of an ANN
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## NOTE: 1. Assignment should be handwritten

2. LAST DATE of Assignment on or before 10 MAY-2023