**19AD651 – DEEP LEARNING LABORATORY**

**Ex1 : Tensor Basics and Implementation of Linear Regression in Pytorch**

**Date : 20-12-2023**

Odd Batch:

1. Calculate the Inverse of matrix A using Tensors.
2. Demonstrate the Autograd functionality with examples
3. Implement any five Tensor operations using Built-in functions.
4. Implement Linear regression using Pytorch and include the following:
5. EDA of the dataset should be displayed
6. Missing values should be handled
7. Plot the testing accuracy vs training accuracy

Even Batch:

1. Calculate the following using Tensors.

* Matrix Multiplication
* Transpose of a Matrix

1. Demonstrate the Autograd functionality with examples.
2. Implement any five Tensor operations using Built-in functions.
3. Implement Linear Regression for numeric datasets
4. EDA of the dataset should be displayed
5. Missing values should be handled
6. Plot the testing accuracy vs training accuracy