**Intel® Al for Manufacturing Certificate Course**

**Week-3 – Assignment: ML Canvas**

**Name:** Ayan Memon

**Submission Date:** 07 – 03 – 2025

Assignment Problem Statement –

Identify significant machine parts in a manufacturing factory that are prone to get damaged in near future.

**Problem Statement (Predicting Bearing Failures in Industrial Motors)**

Predict bearing failures in industrial motors using vibration sensor data. The goal is to identify bearings likely to fail within the next 30 days, minimizing downtime and maintenance costs.

**ML Canvas:**

