**WRITE UP**

**Course-end Project 2: Real-time Data Management**

**Description**

To deploying infrastructure for real-time data management requirements on the AWS Cloud offers a scalable, flexible, and cost-effective solution for organizations aiming to harness the power of real-time data processing.

**Problem Statement:**

You are given a project to create data in a Kinesis stream that can be copied to the DynamoDB database

**Real-World Scenario:**

TELEMAX is a company that plans to build networks in rapidly growing, underserved markets around the world. The company offers innovative communications hardware that enables them to create many speed-efficient networking links with inexpensive hardware.

Presently, they need, to deploy an effective architecture for NoSQLbased data warehousing built from real-time data being generated that can be analyzed in the future to optimize their topologies continuously. The team decided the AWS cloud is the perfect environment to support their solution needs and they will approach your organization for consultation on the same.

**Steps for Implementation:**

**Step 1: Create Producer Lambda function**

**Step 2: Create Kinesis Data Stream**

**Step 3: Create Consumer Lambda function**

**Step 4: Create DynamoDB Database**

**Step 5: Perform Tests**