Usman Institute of Technology University



ASSIGNMENT # 2

REPORT

**COURSE NAME**

**DATA MINING**

**CS 356**

**Date** (**20th July, 2022**)

**SECTION: SE (B)**

**Ahsan khan**

**20B-008-SE**

**COURSE INSTRUCTOR**

Instructor Name

(**SIR ZAIN MIRZA**)

For this report, I have chosen the data set of **Super Market Store Branches Sales Analysis** in which I have selected the code of **Increasing Sales in Super Market Store**

In this code, we have used 4 libraries named:

1) numpy

2) pandas

3) matplotib.pyplot

4) os

In this dataset, you'll get data of different stores of a supermarket company as per their store IDs which for ease has been converted to positive integers.

Store ID: (Index) ID of the particular store.

Store\_Area: Physical Area of the store in yard square.

Items\_Available: Number of different items available in the corresponding store.

DailyCustomerCount: Number of customers who visited to stores on an average over month.

Store Sales: Sales in (US $) that stores made.

All these things are also shown by the help of graph.

We also have use clustering to show different kind of things like:

1) Daily customer counting vs stores sales.

2) Number of items available vs store sales.

3) Area of super market store vs store sales.