Faculty of Computers and Artificial Intelligence Cairo University

Data Warehouse Term Project

**Project Name:**

Mega Store

**Prepared for:**

Eng\Alaa Adel

**Prepared By**

|  |  |
| --- | --- |
| **ID** | **Name** |
| 20200026 | Ahmed Abdelhameed |
| 20200456 | Mohamed Attef |
| 20200196 | Ziad Osama |
| 20201189 | Nada Emad |
| 20201191 | Nada Mohamed |

Source Erd-2

Diagram

Description automatically generated

3-Dimensional model diagram

a –Business Process

The Business Process of this Project is Mega Store Sales

b-Grain

|  |  |
| --- | --- |
| Amount of Sold Sales in each store in specific city to each customer on monthly basis also maintain cost of materials on monthly basis and the profit according to his cost and quantity sold on monthly basis | Sales Fact |
| Control of inventory for each product in each city on daily basis | Inventory Fact |
| Observation of performance for each employee based on sales that he sold per day | Emp\_Performance Fact |

c- Dimensions

|  |
| --- |
| Store |
| Customer |
| Location |
| Time |
| Product |
| Employee |

d-Measures

|  |  |
| --- | --- |
| Additive Measure | Quantity\_ Sold |
| Additive Measure | Cost |
| Calculated Measure | Profit |
| Additive Measure | daily Sales |
| Additive Measure | Available Items |

e-Fact Tables

