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| --- | --- | --- | --- | --- | --- | --- |
| **Project Charter** | | | | | | |
| **Project Name** | | IST 722 Group Project Assignment – Fudgeflix & Fudgemart | | | | |
| **Project Description** | | To create a Datawarehouse from FudgeMart and FudgeFlix | | | | |
| **Project Manager** | | Sheetal Chowdhary | | **Date Approved** | | 03/15/2020 |
| **Project Sponsor(s)** | | Humayun Khan | | **Signature** | |  |
| **Business Case** | | | | **Expected Goals/Deliverables** | | |
| The goal of the project is to integrate information from FudgeMart & FudgeFlix, analyze & identify patterns in Sales to improve Sales of FudgeCorporation and provide recommendations to boost business. | | | | **Requirements:**  Analysis for the company using interactive dashboards  **Deliverables:**  Team Meetings  Project Charter  High Level Dimensional Modeling  Detailed Dimensional Modeling  ROLAP Schema  ETL for the data  BI Reports | | |
| **Team Members** | | | |  | | |
| **Name** | | | **Role** |  | | |
| **Sheetal Chowdhary** | | | **Data Engineer** |  | | |
| **Rashika Singh** | | | **BI Architect** |  | | |
| **Sharvil Turbadkar** | | | **Data Architect** |  | | |
| **Karan Ashar** | | | **BI Analyst** |  | | |
| **Dhwani Gandhi** | | | **BI Analyst** |  | | |
| **Risks and Constraints** | | | | **Milestones** | | |
| **1** | **Co-ordination problem due to members in different areas** | | | **1** | **Project Charter** | |
| **2** | **Connection Problems with remote lab** | | | **2** | **Data Profiling** | |
| **3** | **Lack of experience with tools** | | | **3** | **High-Level Dimensional Modeling** | |
| **4** | **Minor errors induced while doing the project** | | | **4** | **Detailed Dimensional Modeling** | |
|  |  | | | **5** | **Build ROLAP** | |
|  |  | | | **6** | **Perform ETL using SSIS** | |
|  |  | | | **7** | **Create cubes using SSAS for analysis** | |
|  |  | | | **8** | **Design Power BI dashboards** | |
|  |  | | | **9** | **Presentation** | |
|  |  | | |  |  | |

# **Business Requirements**

1. Increase overall sales of products
2. Increase rating of the products
3. Manage product demand & supply
4. Improve delivery process

# **Functional Requirements**

1. Who are the top 10 customers for the company?
2. Which are the products that have generated least revenue for the company?
3. Which category of products are in high demand?
4. Which state is performing the best in terms of sales?
5. How is the company performance - Yearly, Quarterly, Monthly

# **Business processes (related to above questions)**

**1. Sales**

2. Billing/Payment

3. Order Fulfillment

4. Customer Reviews/Feedback

5. Inventory Management .

\*We selected Business process 1 - Sales for integration across both Fudgemart and Fudgeflix

# **Business Process Selected for integration implementation**

**Facts:**

Sales Fact

**Dimensions:**

Customer (Account, Customer)

Products

Suppliers

Date

# **Comments**

N/A