**Group 4**

**GP01 : Project Proposal Draft V1**

AdventureWorks Database Dimensional model

**Source** : AdventureWorks Database 2019

The Fact tables that we consider are

* **Internet Sales** (FactInternetSales)
* **Reseller Sales** (FactResellerSales)
* **Finance** (FactFinance)

The dimension tables considered for each Fact Table is given below:

**Internet Sales** (FactInternetSales):

* Product (dimProduct) : SCD columns that we considered in Product

1. **List Price**
2. **Dealer Price**

* Promotion (dimPromotion): SCD columns that we considered in Promotion

1. **Discount Percentage**
2. **Start Date**
3. **End Date**

* Currency (dimCurrency)
* Date (dimDate)
* Customer (dimCustomer): SCD columns that we considered in Customer

1. **Yearly income**
2. **Phone**

* Sales territory(dimSalesterritory): No SCD

**Reseller Sales** (FactResellerSales)

* Product
* Promotion
* Reseller : SCD columns that we considered in Reseller

1. **No of employees**
2. **Annual revenue**

* Sales Territory
* Employee : SCD columns that we considered in Employee

1. **Base rate**
2. **Department name**

* Promotion (dimPromotion)
* Currency (dimCurrency)
* Date (dimDate)

**Finance** (FactFinance)

* Account (dimAccount)
* Date (dimDate)
* Organization (dimOrganization)
* Department Group (dimDepartmentGroup)
* Scenario (dimScenario)

We would initially consider OLE DB source connection, the source would be AdventureWorks DB 2019 and AdventureWorks DW 2019. In the staging area, we would have a condition block to load bulk data till 2014 December . After the bulk load we will have condition to load monthly data, till the rest of the data is transferred into our OLE DB destination. In the destination, we would create the fact and dimension tables which are mentioned above.

Staging

<2014

BI reporting Tool (Tableau)

OLE DB Desitnation

>2014

Conditional Block

OLE DB Source