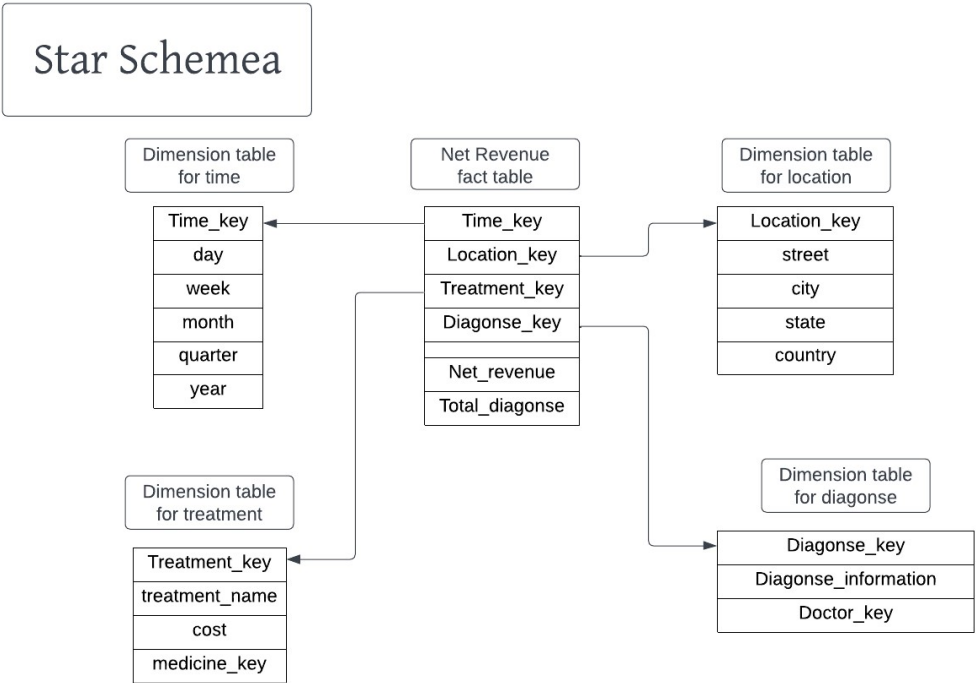Topic: Dental Clinical Data System

Goal: Our goal is to analyze the clinical data through revenue generation of each branch through Treatment analysis of each patient in every branch

We are creating dental clinical system to keep a proper track of patients under services. We also need them for the follow up sessions of every patient. This system will increase the patients under our services at different location thus increasing the profit. And we can also get to know the profit of different branches. Thus, to achieve the goal of better decision-making using dimensions like Time, Location, Treatment, Diagnosis and facts included are: Revenue generated, Profit, Expense, No. of treatments.

Information Diagram:

Business Process: Treatment Data Analysis				
Time	Location	Treatment	Disease Diagnosed	
Day	Street	Treatment key	Disease name	
Week	City	Treatment name	Disease information	
Month	State	Treatment cost	Doctor key	
Quarter	Country	Medicines used		
years				
Facts: Revenue generated, Profit, Expense, No. of treatments.				

Snowflake Schemea

Dimension table for time

Time_key
day
week
month
quarter
year

Net Revenue fact table

Time_key
Location_key
Treatment_key
Diagonse_key
Net_revenue
Total_diagonse

Dimension table for location

Location_key
street
city
state
country

Dimension table for treatment

Treatment_key
treatment_name
cost
medicine_key

Dimension table for medicine

medicine_key
medicine name
cost
expiry_date

Dimension table for diagonse

Diagonse_key
Diagonse_information
Doctor_key

Dimension table for doctor

Doctor_key
Doctor_name
Specialist