**POWER BI PROJECT**

**HOTEL MANAGEMENT REPORT**

**Week-01**

**Is canceled Column has values 0 and 1;**

* **If the value is 0 , that means the room is occupied**
* **If the value is 1 , that means the room is vacant**

**Create the Measures;**

Total\_Rooms = COUNT('hotel data'[Row ID])

Total\_Rooms\_Occupied = CALCULATE([Total\_Rooms],'hotel data'[Is Canceled] = 0)

**Occupancy Rate Formula :**

Occuancy\_Rate = Total\_Rooms\_Occupied / Total\_Rooms

**Total Occupied Rooms Trend:**

Total\_Rooms\_Occupied

**Average Daily Rate (ADR) Analysis:**

Avg\_Daily\_Rate = AVERAGE('hotel data'[Adr])

**Revenue Per Available Room (PAR) Trend:**

Revenue\_Per\_Available\_Room = Avg\_Daily\_Rate \* Occupancy\_Rate

**Total Bookings Trend:**

Total Booking Days = CALCULATE(SUM('hotel data'[Total days]), 'hotel data'[Is Canceled] = 0)

**Weekend vs. Weekday Bookings Analysis:**

Total Weekend Nights = CALCULATE(SUM('hotel data'[Stays In Weekend Nights]), 'hotel data'[Is Canceled]=0)

Total Weekday Nights = CALCULATE(SUM('hotel data'[Stays In Week Nights]), 'hotel data'[Is Canceled]=0)

**Cancelled Bookings Trend:**

Total Cancelled Bookings = CALCULATE(COUNTROWS('hotel data'), 'hotel data'[Is Canceled]=1)

**Total Revenue Analysis:**

Total Revenue = CALCULATE(SUM('hotel data'[Rev]), 'hotel data'[Is Canceled]=0)

**Challenge :-**

Calculate Week Nights, and Weekend Nights Revenue.