**Health Care Data Driven Decisions using Power BI**

**Week2: Data Analysis Expression-DAX**

* **Create New Columns – (15 Columns)**
* Duration of Stay = ABS(DATEDIFF('Patient Details'[D.O.A],'Patient Details'[D.O.D],DAY))
* Smoking = IF('Patient Details'[SMOKING ]=0,"No","Yes")
* Alcohol = IF('Patient Details'[ALCOHOL]= 0,"No","Yes")
* Sugar = IF('Patient Details'[DM]= 0,"No","Yes")
* BP = IF('Patient Details'[HTN]= 0,"No","Yes")
* Kidney = IF('Patient Details'[CKD]= 0,"No","Yes")
* Neuro = IF('Patient Details'[NEURO CARDIOGENIC SYNCOPE]= 0,"No","Yes")
* Heart Attack = IF('Patient Details'[CARDIOGENIC SHOCK]=0,"No","Yes")
* Lungs\_BloodClot = IF('Patient Details'[PULMONARY EMBOLISM]=0,"No","Yes")
* Year = YEAR('Patient Details'[D.O.A])
* Month = FORMAT('Patient Details'[D.O.A],"MMM")
* Month No = MONTH('Patient Details'[D.O.A])
* weekday = WEEKDAY('Patient Details'[D.O.A].[Date])
* weekname = FORMAT('Patient Details'[D.O.A],"DDD")

age\_group = SWITCH(TRUE(),

'Patient Details'[AGE]<=25,"1-25",

'Patient Details'[AGE]<=50,"26-50",

'Patient Details'[AGE]<=75,"51-75",

'Patient Details'[AGE]<=100,"76-100",

'Patient Details'[AGE]<=125,"101-125"

)

**New Measures:**

* Total Patients = COUNTROWS('Patient Details')
* Males = DIVIDE( CALCULATE([Total Patients],'Patient Details'[GENDER]="Male"),[Total Patient])
* Females = DIVIDE( CALCULATE([Total Patients],'Patient Details'[GENDER]="Female"),[Total Patient])
* **Save the Project.**

Note: Sort Month Names column in Month No Column order.