1. **Diabetes Detection with Machine Learning**

# I. Dataset

1. A publicly available dataset from Kaggle (https://www.kaggle.com/datasets/ankitbatra1210/diabetes-dataset ) was used to train the models.
2. Out of 33 attributes, the following 9 were selected :

Insulin Levels, Age, BMI, Waist Circumference, Cholesterol Levels, Blood Glucose Levels, Pancreatic Health, Neurological Assessments and Glucose Tolerance Test.

1. Out of 13 types of diabetes, 4 major types were chosen :
2. Prediabeties, Type 1 Diabetes, Type 2 Diabetes, and Type 3c Diabetes (Pancreatogenic Diabetes).

After this filtering, data from 21,539 patients were available.

# II. Methodology