**Title: Brain Stroke Detection using ML**

**Teamno-20**

**Sec-1**

**2320030039-T.Pranavanadh  
 2320030175-P.Abhideep  
 2320030292-A.Saisirish  
 2320090038-K.Vignesh**

**ProblemStatement:** Create a simple tool to predict a person's risk of having a stroke, helping doctors catch it early and prevent it

**Algorithm:**

Gather patient data with features like age, gender, and health conditions, along with whether they had a stroke or not.

Preprocess Data: Clean the data and convert categorical variables to numbers.

Split Data: Divide the data into training and testing sets.

Choose Model: Select a machine learning model, such as logistic regression or decision tree.

Train Model: Train the model using the training data.

Evaluate Model: Test the model with the testing data to check its accuracy.

Make Predictions: Use the model to predict stroke risk for new patients.

**DataSet:**

Collect patient data with features like age, gender, and health conditions( hypertension, Glucoselevel, Bmi, smoking status), along with whether they had a stroke or not.

From **KAGGEL**

**https://www.kaggle.com/datasets/zzettrkalpakbal/full-filled-brain-stroke-dataset/code**