# **Detection of Breast Cancer**

## Problem Statement

We aim to predict the malignant or benign breast cancer by observing the previous records of the mammography diagnosis.

## Team Members

* Nirvan
* Pranay Kumar (Team Lead)
* Varun

## Process

We have got the breast cancer dataset from UCI Machine Learning Repository.

We have coded a program to test different models & get their

## Web Interface

We have designed to make 3 webpages

1. Home Page
2. Try to Predict!!!
3. Models Evaluation

### Home Page

1. Title: This displays a title & logo
2. Problem Statement: Providing problem statement
3. Process: What we have gone through in the entire project
4. Team members: Names, photos & roles (In alphabetical order of the name.)
5. Technologies: all languages (programming, Scripting & Markup etc.)
6. Library: All frameworks & external dataset used.
7. References: Kaggle for dataset, etc.
8. Conclusion
9. Thank you (IBM, Skillbuild, FFE along hyperlinks to their websites)

### Try to Predict!!!

Users give their mammography report values as input.   
We will break this into divisions according to the report. (as 29 inputs would be hard to distinguish at a time. \*\*UI & UX consent\*\*)

The result will give the prediction of breast cancer as Malignant or Benign. Along with a motivation for them to tackle it strong.

#### Model accuracy

We will predict accuracies of different models of classification & send them to front-end webpage. Where it generates a table (sorted by high to low) & a colour conditional bar graph.