

**EAST WEST UNIVERSITY**

Summer-2020

Course code: CSE475

Course title: Machine Learning

Section: 03

Project Topic: Breast cancer detection through classification algorithms and compare, analyses output result of each algorithms based on their accuracy level

**Submitted To:**

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**Objectives:**

In this project, we would predict patient breast cancer status (affected or not affected) by applying a machine learning approach. We will apply some classification algorithms on our data set and will analyze the output result of each algorithm. At first, we prepare our data set by applying data preprocessing rules then when the data set will compatible, we input it our machine learning model. After that, we will analyze and compare each algorithm output result based on their accuracy level.

**Motivation:**

Breast Cancer is the most common cancer among women, every year a large number of women have to suffer badly for the late identification of these diseases. As the machine learning approach has partly used all sectors in our life and it makes our life easier, on that aspect hopefully we can get a better way to treat that problem (Breast Cancer) by applying the machine learning approach. We hope the matching approach effectively much better to identify breast cancer than the traditional way and it should be much reliable. In this aspect, we choose this project.

**Model Description:**

Data cleaning

Accuracy Check

Model Generating

Analyzing Data

Collecting Data