**INTRODUCTION THE PATTERN RECOGNITION MIDTERM HOMEWORK**

We solved the problem with KNN model. Our works in pattern.ipynb file at our zip. Our model metrics is:

Accuracy : 0.6181818181818182

Sensitivity : 0.6296296296296297

Specificity : 0.6071428571428571

AUC : 0.6613756613756613

And we showed that how we calculate this metrics in pattern.ipynb file.

Our Tech Stack is:

* Python
* Sci-kit Learn
* Numpy
* Pandas
* Matplotlib
* Seaborn