Project : **Personalized cancer diagnosis using Machine Learning**

We want to do project on **Personalized cancer diagnosis which I based on Machine learning with python.** We are classifying the genetic variations based on evidence from text-based clinical literature. It is a real world problem.

Libraries: We are using multi class classification problem. We are using libraries such as pandas, matplotlib, numpy, stopwords, seaborn, scikitlearn etc. for this project. We are getting the real world data of cancer patients from a US website. Based on that data, we are going to get the probability for the cancer diagnosis. The early diagnosis of cancer can improve the prognosis and chance of survival significantly, as it can promote timely clinical treatment to patients. So by using the data, we will try to get the probability of cancer diagnosis.

Timeline: We will complete this till 3rd July.

Things need to learn: We will have to learn a few more concepts of machine learning to get ready for this project so that the skills which we would learn from this project can be applied in Deep Learning.

Motivation: We are motivated for this project because it is quite interesting and it will help us to learn some new skills which will outshine our skill set and this project would be very good for profile building.

Reference:

We are using the data from www.kaggle.com

Research paper: Applications of Machine Learning in Cancer Prediction and Prognosis