**Flower Class Recognition:**

##### **Overview**

Welcome to another exciting weekend hackathon to flex your machine learning classification skills by classifying various classes of flowers into **8 different classes**. To recognize the right flower you will be using **6** different attributes to classify them into the right set of **classes(0-7)**. Using computer vision to do such recognition has reached state-of-the-art. Collecting Image data needs lots of human labor to annotate the images with the labels/bounding-boxes for detection/segmentation based tasks. Hence, some generic attribute which can be collected easily from various **Area/Locality/Region** were captured for over various species of flowers.

In this hackathon, we are challenging the machinehack community to use classical machine learning classification techniques to come up with a machine learning model that can generalize well on the unseen data provided explanatory attributes about the flower species instead of a picture.

*In this competition, you will be learning advanced classification techniques, handling higher cardinality categorical variables, and much more.*

**Dataset Description:**

* **Train.csv - 12666** rows x **7** columns (includes **Class**as target column)
* **Test.csv - 29555** rows x **6** columns
* **Sample Submission.csv -**Please check the **Evaluation** section for more details on how to generate a valid submission.

**Attributes Description:**

* **Area\_Code -**Generic Area code, species were collected from
* **Locality\_Code -**Locality code, species were collected from
* **Region\_Code -**Region code**,**species were collected from
* **Height -**Height collected from lab data
* **Diameter -**Diameter collected from lab data
* **Species -**Species of the flower
* **Class - *Target Column (0-7) classes***