

# **PROJECT- 4**

## **(IMAGE CLASSIFICATION)**

Image classification refers to grouping the images based on similar features. It is a supervised learning approach in which you are given a labeled dataset. In this particular problem, you need to perform a binary classification of the given images. The binary classes identified are cats and dogs. After extracting the suitable features from the images, design a binary classifier that performs classification on the given data set. Also, evaluate the given classifier using all the evaluation metrics.

**You can download the data set from the given data source.**

<https://www.kaggle.com/datasets/chetankv/dogs-cats-images?resource=download>