**Project: Cat or Dog Image Classification**

**Project description:**

We are given a set of dog and cat images. Using these images, you need to train a deep learning image classification model, with descent accuracy of at least 90%. The task is to build a model to predict the category of an animal: dog or cat if an image is passed to the model.

**Dataset Description**

There are 2 folders shared with the problem statement, which are of Train and Test folders. Containing various images of Cat and Dog.

**Evaluation Scheme:**

**Total marks:** **100**

**Deliverables [Total marks - 95]:**

1. Loading the data into python 🡪 10 marks
2. Defining the convolutional neural network architecture  🡪 50 marks
3. Training the data by with the above CNN model  🡪 30 marks
4. Making the predictions for a single test image 🡪 5 marks

**Project Submission [Total marks - 5]:**

1. Once the project has been created, upload all the files on GitHub & commit (save) all the changes, make sure you add a readme file containing detailed description of your thoughts during the project creation. **[3 marks]**

Once done, kindly copy the GitHub link of your project & submit the same using your dashboard. **[2 mark]**