DESCRIPTION

**Project Objective:**

Build a CNN model that classifies the given pet images correctly into dog and cat images.   
The project scope document specifies the requirements for the project “Pet Classification Model Using CNN.” Apart from specifying the functional and non-functional requirements for the project, it also serves as an input for project scoping.

**Project Description and Scope:**

You are provided with a collection of images of pets, that is, cats and dogs. These images are of different sizes with varied lighting conditions and they should be used as inputs for your model.

You are expected to write the code for CNN image classification model using TensorFlow that trains on the data and calculates the accuracy score on the test data.

**Steps followed:**

1. Mounted the drive
2. Import the required libraries Sequential, Dense, Dropout, Con2D, Maxpooling2D, Batch normalization.
3. Create the convolution layer with input size of (256,256,3)
4. Create a max pooling layer with pool size of (2,2) and stride 2
5. Again create convolution and pooling layer
6. Create the neural network
7. Compile the network with binary categorical entropy and adam loss function
8. Fit the data with 100, 200 and 300 epochs
9. As the epochs increases the training accuracy increases test accuracy remains same.
10. 