Assignment -3

Build CNN Model for Classification of Flowers

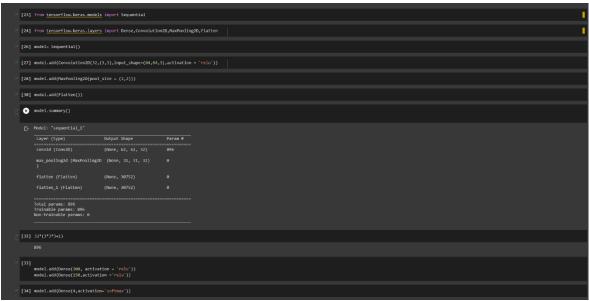
Assignment Date	05 October 2022
Student Name	Rennie Sharon Rose.P
Student Roll Number	2019PITIT147
Maximum Marks	2 Marks



1. Download the Dataset

```
| [9] from tensorfion.keras.preprocessing.image import imageDataGenerator
| [40] train_datagen = ImageDataGenerator(rescale= 1.7255, horizontal_flip = Trum_vertical_flip = Trum_zecom_range = 0.2)
| [11] test_datagen = ImageDataGenerator(rescale= 1.7255)
| [12] x_train = train = train_datagen_flow_from_directory(r^/content/drive/hydrive/ONE-A55/flowers/dmissy^,target_size = (10,10),class_mode = categorical_batch_size=10)
| Found 0 images_belonging_to 0 classes.
| [21] x_test = test_datagen_flow_from_directory(r^/content/drive/hydrive/ONE-A55/flowers/rose^,target_size = (1,5),class_mode = categorical_batch_size=10)
| Found 0 images_belonging_to 0 classes.
| [22] x_train_class_indices | [23] x_train_class_indices | [24] x_train_class_indices | [25] x_train_class_indices | [25] x_train_class_indices | [26] x_train_class_indices | [27] x_train_class_indices | [28] x_train_class_
```

2. Creating Model



3. Adding Layers

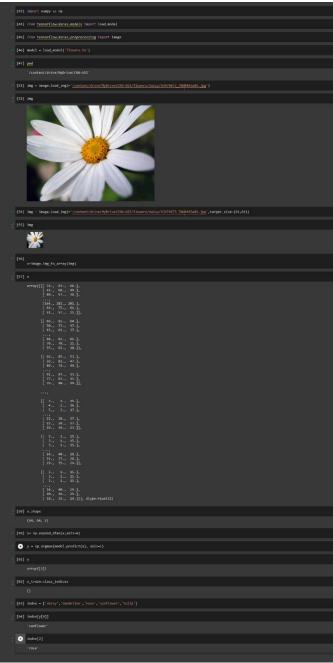
- 4. Compiling the model
- 5. Saving the model

```
[41] model.arve('tioxers.H5')

[42] %

[42] %

[10eres/ Clearsins
```



6. Test The model