# Assignment – 3

# Build an CNN Model for classification of flowers

Assignment Date	10 October 2022
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Maximum Marks	2 Marks

- Download the dataset
- Image Augmentation
- Create model
- Add layers (Convolution, MaxPooling, Flatten, Dense-(hidden layers), output)
- Compile the model
- Fit the model
- Save the model
- Test the model

### Unzip the Data:

```
[ ] ls
    sample_data/

[ ] cd /content/drive/MyDrive/Dataset

/content/drive/MyDrive/Dataset

[ ] ls
    Churn_Modelling.csv Flowers-Dataset.zip

[ ] !unzip Flowers-Dataset.zip

Archive: Flowers-Dataset.zip

Archive: Flowers-Jaisy/1008080576_f52e8ee070_n.jpg
    inflating: flowers/daisy/10140303196_b88d3d6cec.jpg
    inflating: flowers/daisy/101472379554_b26606f82_n.jpg
    inflating: flowers/daisy/10172379554_b26606f82_n.jpg
    inflating: flowers/daisy/1017256748_2748826a8b.jpg
    inflating: flowers/daisy/1017256748_2748826a8b.jpg
    inflating: flowers/daisy/10308241525_bd6c28ae3c.jpg
    inflating: flowers/daisy/1030720940_28fa0738807_n.jpg
    inflating: flowers/daisy/1030722094_28fa078807_n.jpg
    inflating: flowers/daisy/10307248763_1d16681106_n.jpg
    inflating: flowers/daisy/10307248763_1d16681106_n.jpg
    inflating: flowers/daisy/10307248763_fd16681106_n.jpg
    inflating: flowers/daisy/10307248763_fd16681106_n.jpg
    inflating: flowers/daisy/1043777666_8bb6f7bdd3_m.ing
```

### Image Augmentation:



## Add layers to the model:



### Compile the model:

```
[ ] model.compile(loss="categorical_crossentropy",metrics=['accuracy'],optimizer='adam')
[ ] len(x_train)
180
```

#### Fit and save the model:

#### Test the model:

