

**INFORMATION TECHNOLOGY**

Group Member:

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**Project:** **classification problem of flower detection.**

Introduction:

We have built a model from scratch and select classification problem of flower detection, use binary classification of daisy and dandelion. We have downloaded data from Kaggle and label each sample of data. We trained the model using 700 images for each class. For training 400 images, and 150 for validation, and 150 for test.

What we did to train model:

* Train the model using ANN and got 65% accuracy but overfitting
* Then, train the model using CNN and got 84% accuracy but overfitting problem is occurred here as well.
* Then, we apply data augmentation techniques and dropout layer then we got 90% and resolve overfitting problem.

Code Link: