CI Project Report

Model 1 (CNN):

- **Architecture**:

```
Input 224*224
Conv 3*3 (Relu)
avg_Pooling (Relu)
Conv 3*3 (Relu)
avg_Pooling (Relu)
Conv 3*3 (Relu)
avg_Pooling (Relu)
Conv 3*3 (Relu)
avg_Pooling (Relu)
Conv 3*3 (Relu)
avg_Pooling (Relu)
Fully_Connected 1024 (Relu)
Drop (0.2)
Fully_Connected 6 (SOFT MAX)
Output
```
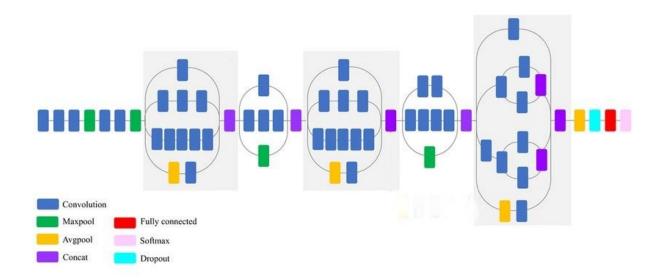
- Accuracy = 85. 958%
- About Model:
    - learning rate = 0.001
    - optimizer = Adam
    - validation set = 0.1
    - number epoch = 20

Model 2 (Inception_V2):

- **Architecture:**

- Size of data input = 224*224
- Activation = Relu except the last fully connected (softmax)
- Convolution: size (1,3)
- Pooling: (avg, max)
- Dropout: (0.2)
- Accuracy = 85.909%
- About Model:
    - learning rate = 0.001
    - optimizer = Adam
    - validation set = 0.18
    - number epoch = 20