Competition report

* Used model : Vgg19
* Weights = ‘imagenet’.
* Input shape = (224x224x3).
* Model is Sequential(**linear stack of layers)**
* allows to create models layer-by-layer for most problems
* Trained the last layer only.
* Best accuracy : 89.89%
* Model parameters:
  + Optimizer (Adam with Learning rate 0.001)
  + Loss function : ‘sparse\_categorial\_crossentropy’
* Model fitting parameters:
  + 80% from training sample for training and the rest 20% was split for validation.
  + Batch\_size = 32 (this is the number of samples in training per gradient)
  + Epochs = 10
* Vgg19 architecture:A screenshot of a cell phone

  Description automatically generated
* First Entry model : Vgg16
* Weights = ‘imagenet’.
* Input shape = (224x224x3).
* Model is Sequential(**linear stack of layers)**
* allows to create models layer-by-layer for most problems
* Trained the last layer only.
* Best accuracy : 85.45%
* Model parameters:
  + Optimizer (Adagrad with Learning rate 0.0005)
  + Loss function : ‘sparse\_categorial\_crossentropy’
* Model fitting parameters:
  + 80% from training sample for training and the rest 20% was split for validation.
  + Batch\_size = 24 (this is the number of samples in training per gradient)
  + Epochs = 10
* Vgg16 architecture:

