**V1**

Target

* Code setup
* Defining the baseline Architecture
* Pointing the code to GPU
* EDA to find mean & SD

Results

* Total parameters is 2,435,744
* Best Train Accuracy 63%
* Best test Accuracy 62%

Analysis

The gap b/w train and test is low but we need to improve the train accuracy and the total parameters should be less than 1 million.

**V2**

**Target**

* Image normalization
* Image Augmentations

Results

* Total parameters is 2,435,744
* Best Train Accuracy 60%
* Best test Accuracy 62%

**Analysis**

Accuracy is not improving after trying various transformations

**V3**

**Target**

Refining the architecture to meet the total parameter target i.e. 1m

Results

* Total parameters is 1,092,768
* Best Train Accuracy 84 %
* Best test Accuracy 81%

**Analysis**

Improved accuracy, still parameter are > 1M

**V4**

**Target**

Implementing the depth wise convolution layer and adding dilated convolution and also refining the architecture to meet the total parameter target i.e. 1m

**Results**

* Total parameters is 943,552
* Best Train Accuracy 82 %
* Best test Accuracy 81%

**Analysis**

ACHEVIED 80% accuracy and total parameters are < 1M