## 31 March Update

Inference runs over the following layers were performed Trained model = Mobilenetv2 encoder; trained on 10K images; 5 epochs; bs=16; decoder width=0.4

## a. Decoder.conv2 - Google colab; python

## b. Decoder.up3.convB - Google colab; python

## c. Decoder.up1.ConvA - Local; C++ extension

```
Time taken for iteration:253 / 256 in batch:4 is:21
Time taken for iteration:254 / 256 in batch:4 is:20
Time taken for iteration:255 / 256 in batch:4 is:20
100%|
               | 1/1 [6:40:55<00:00, 24055.35s/it]
                                          rel,
                                                      rms,
       a1,
                   a2,
                               a3,
                                                                log 10
                                       0.4597,
   0.3260,
               0.6678,
                           0.8798,
                                                   0.7863,
                                                                0.1592
Test time 24055.347340106964 s
```

d. Decoder.up2.ConvB - Local; C++ extension

2. Kindly refer to the google sheet below for updates on layer's inference error metrics: (along with the scaling factor used for each layer's image and kernel tensors)

https://docs.google.com/spreadsheets/d/1tmXCuR8P1yGrYK8\_bC07wBkrz\_x6DhPl-a2OtFICZnw/edit?usp=sharing

The script for google colab run is provided in the github repo: https://github.com/bALAJi-aDItHYa/MBM implementation.git