

# ECE1512 Project-B Supplementary Guide

## Codes

All codes are included in file `codes.zip`. The codes are adapted and modified based on the original provided version.

### Task-1

`trained` folder contains all qualified after-trained model after training 20 epochs with original setup.

`trained_weighted` folder contains all qualified after-trained model after training 20 epochs with class re-weighting approach.

Inside `train.py`, specify parameter `class_reweighted` to true would enable class re-weighting while training, otherwise the original setup would be remained.

Inside `check.py`, the code has been modified to output image for both non-class re-weighting and class re-weighting automatically to `test` and `test2` folder. Simply run `python check.py` to examine the output.

### Task-2

Inside `load_data.py`, new attribute has been added to the sample data output, including image name, image argumented by `colormap_jet`.

Inside `train.py`, specify parameter `small_experiment` to true would enable experiment training, otherwise the original setup would be remained.

For `run_demo.py`, manually edit the model path to examine the corresponding model.

## Slides

`slides.ppt` shows the basic result walkthrough of project-B. It contains most of the results (visualizations and tables) from the report, providing a high-level picturing to the project presentation.