

# Report: Eff-Net B0

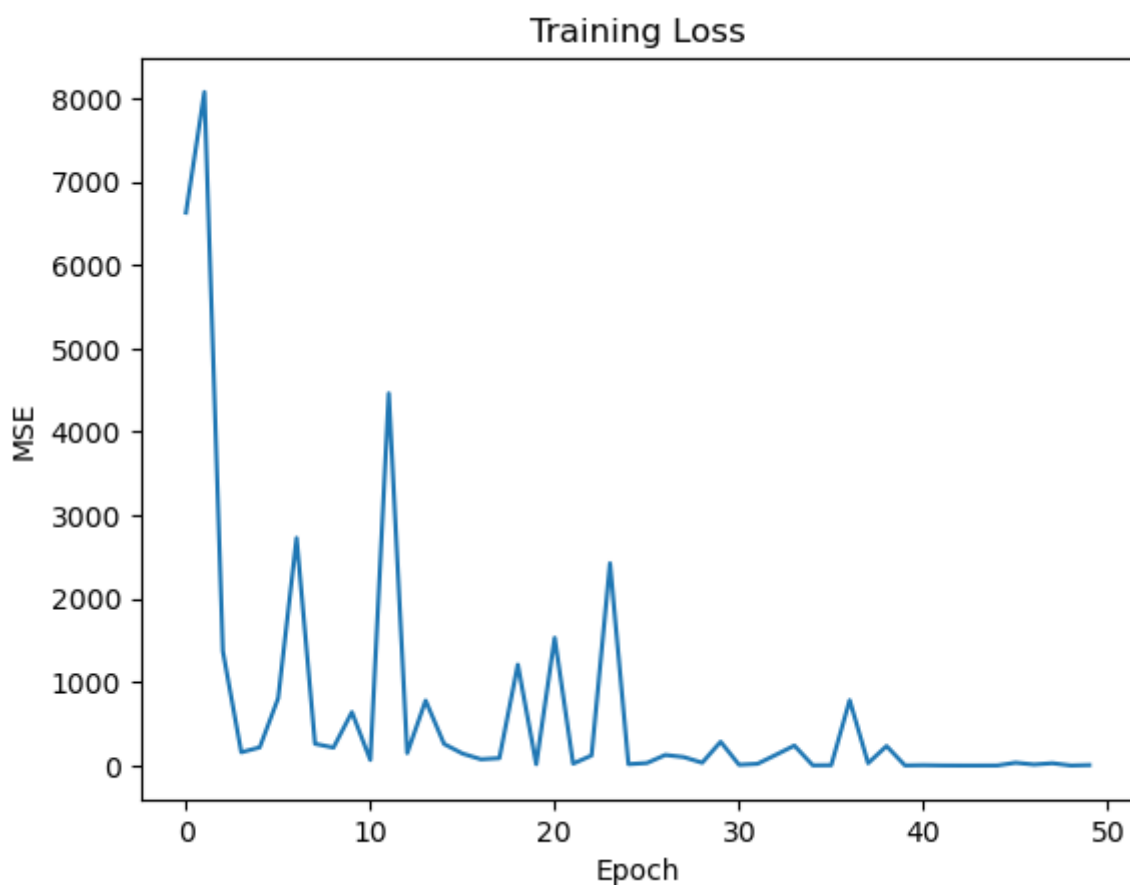
## AirSim based Aircraft Landing

### Dataset Sample Images

- Same as before.

### Training DNN

- What is being predicted?
  - *The altitude of the helipad. In other words, the input is the image (as shown above), and the output is the (euclidean) distance between the helipad and the drone.*



```
49/50;   Loss: 3.6787705421447754;   Time Taken: 216.4988248348236.
50/50;   Loss: 8.829988479614258;   Time Taken: 218.2907555103302.
===== Training Completed =====
Time Taken: 11275.132796287537
```

### Testing DNN

```
MSE: 11.067875862121582
Total Time Taken: 9.928513050079346
Average Time Taken: 0.05577816320269295
Model Parameters: 5288548
```

## Sample Images

Note: The quality of the images, as of now, are bad as they're directly saved from normalized tensors. I think this can be fixed.

Legend. "Test" means our trained model.

