At the very beginning, we didn’t have the ‘wall’ class. therefore, the robot could not recognize the obstacles nor make a turn to avoid crashing. To upgrade it, we add the class named ‘wall’. However, we have reached the accuracy up to 91.06% without the ‘wall’, plus it made the accuracy down to 83%. So, based on the existing model, we decrease the parameter of Dense layer: from 0.3 down to 0.14, which were tuned many times to conclude. After changing several relative parameters, we finally reached the accuracy 94.67% on the validation set while 87.67% on the test set. Running on this model in practical, the classification performs in pretty good accuracy and efficiency.