**Discussion:**

As in this project tried to predict the road conditions in Bangladesh, the output was produced based on the image input that gives satisfactory result. The implementation of this project started with image annotation gradually implemented with Supervisely, Neural Network, Transfer learning and finally building an Intelligent system. Through the previous research paper, there were many important facts that was implemented here. While working on the project there were two neural network models Resnet-32 and inception network that was applied to complete the task. While implementing Resnet-32, the dataset contained around 500 samples and the output was defined with two classes. Next, while working with Inception network there were two networks one of them contained one inception block and another had two inception blocks for the development of CNN models. Lastly, through Supervise.ly Smart tool with the dataset about 60 images tried to annotate and it was divided into Paved, Puddle and Hole but the accuracy of the model was much less than the other. The tested accuracy for the Resnet-32 model achieved the best among the others. Though the dataset got relatable small number of samples, the performance was pleasing.