**CONCLUSION**

This thesis mainly focuses on disease detection of potatoes from any surface by using machine learning (CNN). We found that VGG16 Architecture is the best way to perform this type of detection object. However, this model gains 100% of validation accuracy. We have a large amount of data set and to get the best accuracy, we have tried our best. We think this type of project will play a vital role in our agriculture sector. Most of the farmers of the village in Bangladesh are not literate and they can't know about the disease properly. They can't know the method of detecting disease. That's why the insect is destroying the potato and our farmers get to suffer from it. We think that, this work can change the situation of the potato grower in Bangladesh.

Future Work:

In future, our aim is to create an android application that can detect the disease of every type of crop and can provide the proper solution for those diseases of the crop. In future by increasing our database, we will able to get better accuracy. By building an android app we will continue the development process. And we will create a system where the farmers of Bangladesh can easily get instant service and advice on their problem by detecting the disease.