

University of Rajshahi
Department of Computer Science and Engineering
Artificial Intelligence Lab [CSE-4132]

1.	Build a fully connected neural network (FCNN) and a convolutional neural network (CNN) for classifying 10 classes of images.	5
2.	Train and test your FCNN and CNN by the Fashion dataset. Discuss your results by comparing performance between two types of networks.	5
3.	Build a CNN having a pre-trained MobileNet as backbone to classify 10 classes.	5
4.	Train and test your CNN having a pre-trained MobileNet as backbone to classify images of the CIFAR-10 dataset. Discuss your results by comparing performance between transfer_learning + fine tuning and only transfer learning.	5