BACTERIAL IMAGE CLASSIFICATION USING CNN

—Bacteria classification is an essential task in medical field, for the diagnosis and treatment of various diseases . Manual classification of bacteria is a time consuming and challenging task which requires huge human efforts. Deep Neural Network (DNN) is one such promising technology which has been widely used for image classification. One of the variant of DNN is Convolutional Neural Network (CNN) and LSTM which is an efficient technique for classification problems. And also using bacteria images classification using Python programing included Keras API with TensorFlow Machine Learning framework. This paper implemented the LeNet Convolutional Neural Network (CNN) architecture using Python