



Ahsanullah University of Science and Technology

Department of Computer Science and Engineering

Course No : CSE4238
Course Name : Soft Computing Lab

Assignment No : 03

Submitted By:

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The hyper-parameters defined are shown in table 1.

Input Size	50
Hidden Size	128
Number of Layers	3
Number of Class	2
Batch Size	100
Number of Epochs	25
Learning Rate	0.001

Table 1: Hyper-parameter setup

After doing the preprocessing part, the glove word embedding to train model and got the loss curve as figure 1.

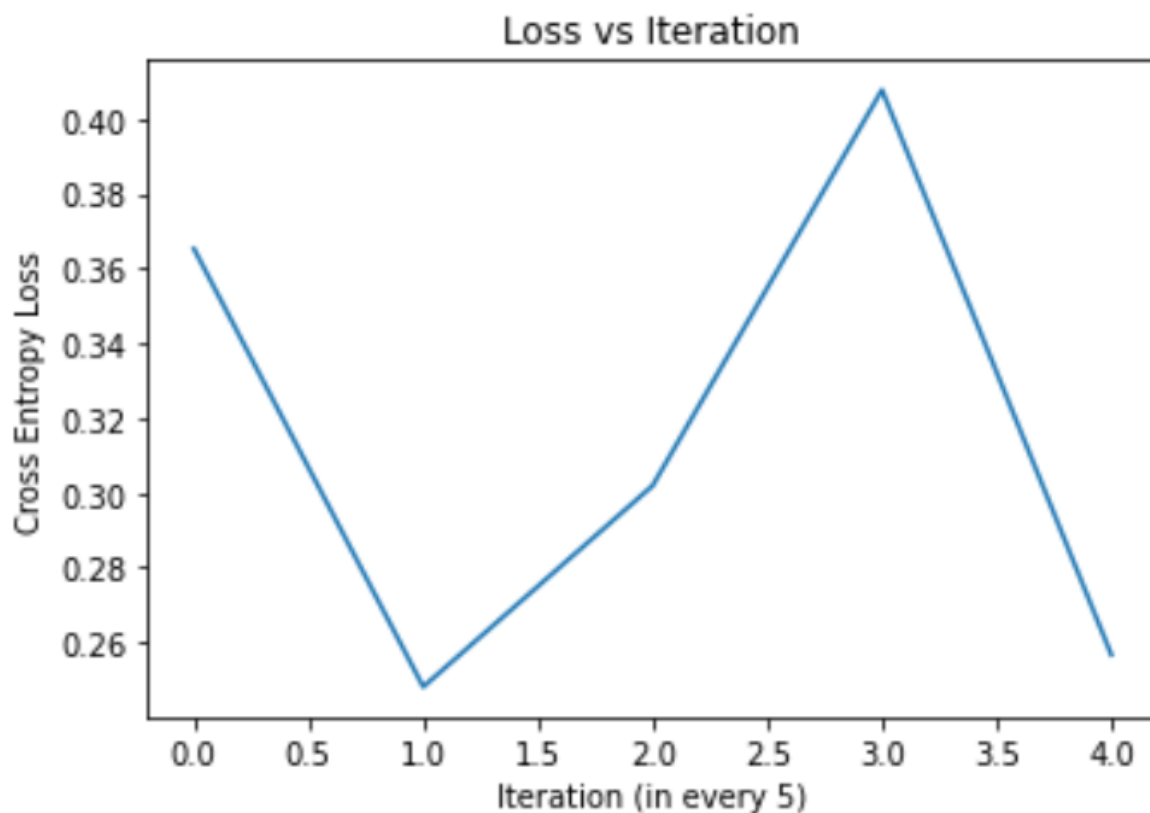


Figure 1: Iteration vs Loss graph

Accuracy: 85.3256
Precision: 85.3256
Recall: 85.3256
F1 score: 85.3256

The confusion matrix is given below:

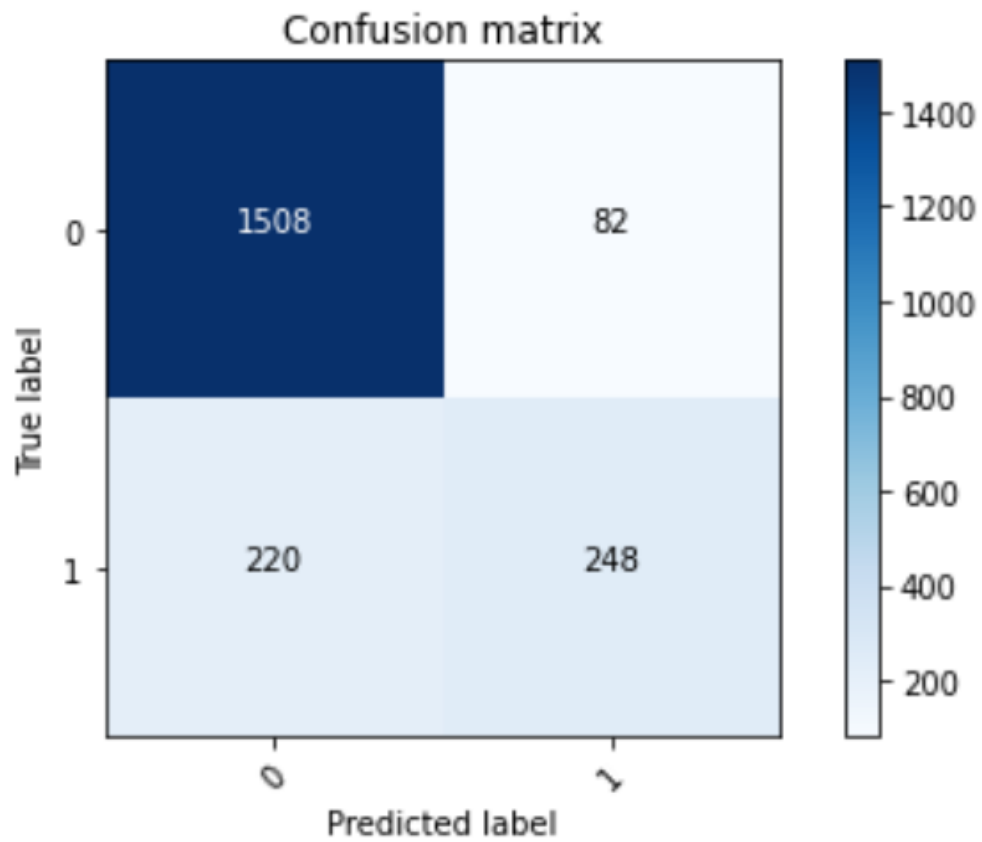


Figure 2: Confusion matrix

GitHub link: <https://github.com/atiqueziad/cse4238-assignment-3>