AI Lab 8 - Logistic Regression

Roll Numbers: 2001CS05, 2001CS23, 2001CS29

Code and value of theta in zip file.

Learning Rate: **0.08**

Training Epoch: **1500**

Accuracy: **71.72%**

Confusion matrix:

```
Confusion matrix:
[[856   0   8   3   1   8  21   0  81   2]
 [ 18 893   3   8   0   0   3   0 196  14]
 [ 62   9 752  34   7   3  16   5 132  12]
 [ 68   0   7 796   0  21   2   9  87  20]
 [ 33   0   2   2 680   0   6   0  99 160]
 [ 62   1   0  13   3 529  17  11 239  17]
 [ 48   1   1   0   1  10 887   0   8   2]
 [782   5  12   3   1   0   0  28  28 169]
 [ 71   1   1   8   6   5   6   0 842  34]
 [ 64   0   1   3   7   1   0   1  23 909]]
```