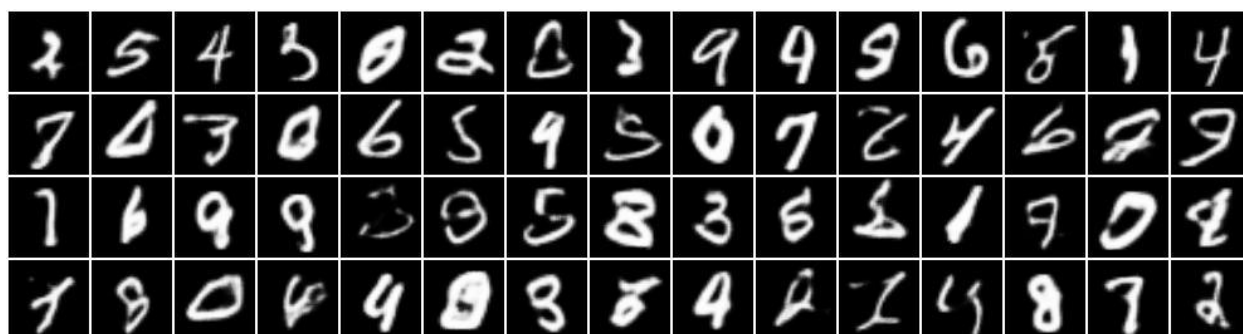


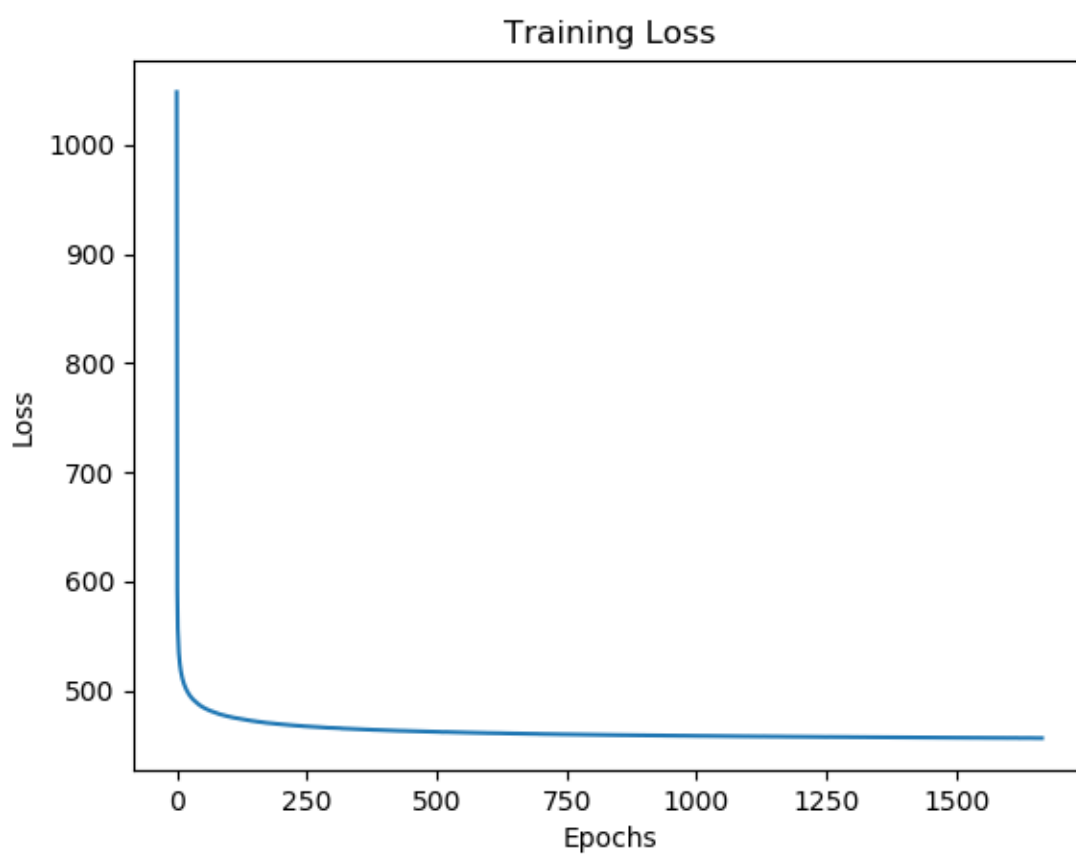
## Assingment 2 Report

### Image Results

1	2	7	0	5	0	8	2	10	5	1	4	4	3	6
4	4	0	7	9	3	4	6	7	3	9	3	8	9	1
9	2	5	6	2	3	3	8	2	4	6	8	5	7	8
1	8	0	4	8	0	0	5	8	9	8	6	3	9	3
1	9	5	3	9	9	2	6	4	3	6	6	6	8	7
4	1	8	3	6	3	8	5	7	7	0	4	8	6	3
5	1	2	2	1	8	4	8	9	9	8	2	9	9	7
8	4	4	4	1	6	3	3	9	6	1	7	2	2	0
6	9	4	8	9	0	2	7	2	0	7	8	0	9	8
1	6	5	5	1	4	0	9	4	6	5	2	6	6	4
6	7	3	9	2	9	2	6	9	8	4	6	3	5	9
3	1	0	8	9	6	6	9	8	8	3	6	8	2	4
8	4	4	4	0	8	4	6	0	7	5	7	5	7	3
9	9	2	5	0	2	3	6	4	6	9	9	1	3	6
4	8	1	1	2	0	4	7	3	7	8	6	8	1	3
2	5	4	8	8	3	3	6	8	2	3	8	6	9	1



## Training Loss



## **Model Architecture and Parameters**

out\_dim=10, z\_dim=15, nc=1, batch\_size=100, max\_iter=1e6

### **Encoder Part:**

Five convolutional layers with ReLU and one fully connected layer

### **Decoder Part:**

One fully connected layer with five transpose convolutional layers with ReLU

### **Weight Init:**

Kaiming Initialization