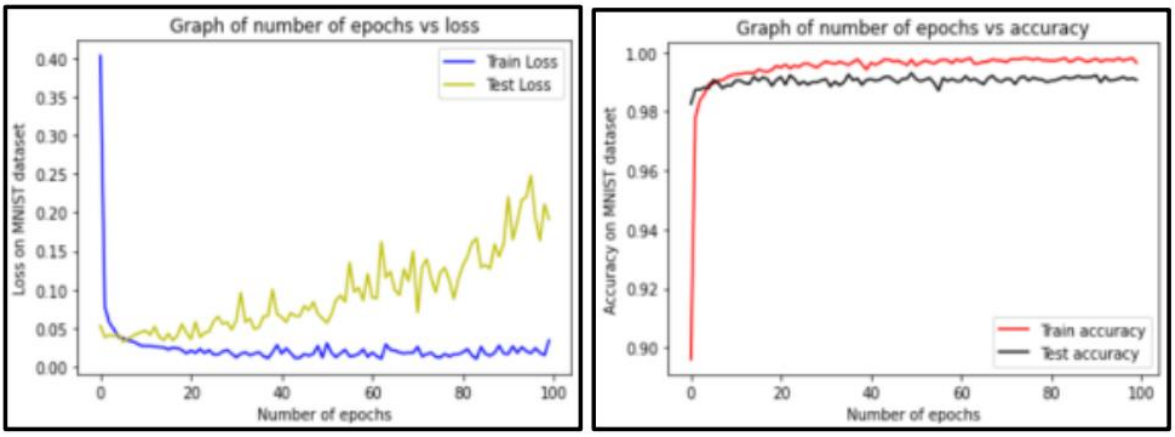
RESULTS



The figure displays the graph of number of epochs versus loss and accuracy respectively. The graph on the shows a left hand side trade-off between the number of epochs versus the accuracy on the MNIST dataset. The training accuracy increases from 90% and reaches a value of approximately 99%. On the right hand side, we can see the graph of number of epochs versus the loss on the MNIST dataset. The total time taken for the execution of model was approximately 900 seconds which amounts to approximately 15 minutes. Using data augmentation, model accuracy was increased to around 99%. Also, this proved to be a cost effective solution. In addition to this, the problem of overfitting was solved.