**Chapter 6**

**Conclusion and Future Recommendations:**

This chapter concludes our projects works by mentioning the goals that we are achieved. We also have some future recommendations to improve the systems.

Conclusion:

In this project we predicted the future prices of stock market using Gated Recurrent Units (GRUs) neural networks. We predicted the future prices successfully with a very good accuracy. The traditional recurrent neural networks have vanishing gradient problems. We overcome that problems by using Gated Recurrent Units (GRUs) neural networks. We also make some small changes inside our Gated Recurrent Units (GRUs) neural networks for more efficiency. We also remove the local minima problem of gradient descent and time complexity and others problem of stochastic gradient descent. We use mini-batch gradient descent which is a good trade-off between stochastic gradient descent and batch gradient descent. Thus we successfully completed our project.

Future Recommendations:

One of the future implementation of this project will be making smart artificial trading agent. The artificial agent will be guide us about when to buy or sell or hold for gaining more profit. Moreover an automated trading BOTS can save peoples’ time and can guide for smart decisions. We tried our level best to implement this system. This system works well for most of the cases but still it gave bad predictions on some cases. That will be remove at future works. Another implementation will be predicting far future prices.