Chapter- 5

Conclusion and Future Scope of Work

5.1 Conclusion

Present study is planned to improve the theoretical understanding of the association rule mining task by in-depth study of inter-transaction stock price movement of companies to financial research community, money managers, fund managers, investors etc. The study is aimed to capture new types of patterns and identify the probability of new algorithmic and other issues.

This research is purely based on extensive review of historical data. The various sample of the research is evaluated and prepared from the historical end-of-day quotes for National Stock Exchange of India (NSE) Stocks. In this research researcher has proposed a framework and an analytical methodology which is used to comparatively analyze the historical data.

Categories the frequent inter transaction measure is done and demerits of existing inter transaction algorithms are reviewed. To overcome these demerits new framework is prepared. It is the architecture that describes a plan to implement the frequent inter-transaction item sets issues. After preparing the proposed framework, it is implemented to achieve the objective of the system. Researcher had obtained
new algorithm which is more efficient than those which are available in literature. Program of the new algorithm is prepared and run for different options. Comparison of outcomes obtained by proposed logic with FITI algorithm is made using statistical analysis and graphically presented at the end of the study.

5.2 Future Scope of Work

In present study program is made to study relationship of three variables. There is a scope to generalize it for “n” number variables. In present study program is made on the basis of given historical data. If in future a company split or give bonus in share, new changed price should be manually changed which is limitation of this program.

One can put additional condition for this criterion so that past records can be change automatically changed as per new price. Present work is done on the basis of closing price and volume of shares. There are other factors that affect on fluctuation of price and volume and hence relationship of two or more variables. Our future planning is to enhance the scope of the logic which can able to look for other influencing parameters on output.