CHAPTER 8

CONCLUSION AND FUTURE WORK

8.1 CONCLUSION

The ultimate objective of this research is to reduce the number of iterations to obtain optimal solution in transportation problem without finding initial basic feasible solution. This objective is achieved by our proposed method called ZSM. It is also executed through C# Net program. As a part of this research work MODI method is taken for analysis and compared with ZSM. By graphical output, it is realized that the success rate is greater than MODI for ZSM.

8.2 FUTURE WORK

There are several important points, which need to be investigated but could not constitute the scope of this research work due to its limited time frame. Thus, during the course of this research, the following issues have been identified as possible topics for future work in this area:

- The application of ZSM is not only restricted to optimization in TP, but can also be applied to Assignment Problems and Travelling Salesman Problems.

- In the future, this ZSM algorithm can also be constructed using Matlab software.