6.1 CONCLUSION

- Recommender systems have great value in recommending relevant resources to users. It can be quite useful in finding novel and serendipitous recommendations.
- The effectiveness of recommender system relies on the algorithm it uses to find interesting resources.
- This thesis presents web-based restaurant recommendation system, is written in JAVA programming language in net beans IDE environment. The main aim of the system is to improve sparsity problem successfully. Content-boosted collaborative filtering approaches throw light on how to deal with this sparsity problem.
- In addition, the contents of restaurant each of which is taken from Database by using information extraction methods are also play a crucial role for calculating the item similarity.
- Both of these content information and item-based collaborative filtering method are then used together in prediction process.
- In the beginning, current recommendation systems and main theoretical issues behind them are generally introduced.
- Afterwards the related work in the related area has been covered by analyzing a variety of recommendation systems from different domains.
- Subsequently, these techniques are examined in both positive and negative directions.
- In the most crucial part, comprehensive amount of study is done about overall system design and the prediction approach.
- Finally, CBCF is compared with other pure recommendation techniques. It is revealed in that CBCF gives better accuracy results than pure traditional methods at most conditions by giving lower MAE value.
6. Conclusion and Future Work

6.2 FUTURE WORK

- In the near future, it will be installed in Apache Server and so it will be published in internet.
- Datasets will be updated continuously and it will make online actual rating predictions to the users whose habits are changing day by day. As a result, it can be sensitively satisfying current user tastes.
- Web services in particular suffer from producing recommendations of millions of items to millions of users. The time and computational power can even limit the performance of the best hybrid systems. For larger dataset, we can work on scalability problems of recommendation systems.
- The Prediction approach can also be tried in different datasets to test harmony performance of system scalability problems of recommendation systems.