CHAPTER-6

Conclusion and Future Scope
CHAPTER-6

CONCLUSION AND FUTURE SCOPE

In this work, few new approaches are presented relating to relational database design. A graph based approach for finding all candidate keys of a relational scheme is presented in chapter-2. This approach can also be used in social science. The candidate reasons for a social problem can be identified using this approach. In a social problem there are many factors affecting one another, and from this affectedness, a dependency graph can be obtained to find the candidate reasons of the problem. In chapter-3, an approach for database schema design is presented. Unlike other available approaches, this approach attempts to find an abstract mathematical model from which the actual database schema can be obtained. This mathematical model or the DRS (Database Requirement Specification) provide many alternatives to design a database schema depending on the keys chosen from the key set $K_S$. This $K_S$ contains all the candidate keys for a particular relational scheme $S$.

In chapter-4, a method to conceive a graph database model from any relational database. Now, only MySQL databases are considered. But this approach can also be implemented to convert any kind of relational databases to graph database model. An implementation of the approach is presented in APPENDIX-I.

To implement the models presented in chapter -5, suitable graph database system needs to be selected. Further study is going on in this direction.