CHAPTER – 9

CONCLUSION

9.1 Introduction

It is a difficult part of any thesis to write a conclusion after a lot of works carried out. Because there is no final conclusion on any research work, no one can give a correct conclusion as the research is a never ending process. But as per the requirement, every thesis has a conclusion.

This chapter briefly summarizes the findings and contributions of this thesis, followed by a discussion of future research directions.

9.2 Summary

This thesis investigated the Missing Data which are solving large data set problems. Now days the missing values are causing serious effects in various clinical and other research areas to derive conclusions and results. The different techniques that handle the missingness and effectiveness of the missing data are discussed here. Some of the techniques like Rough set, Fuzzy set, Covering basesRough set and Soft set are discussed in the previous chapters. Still, some techniques suffer in some situations. In this thesis how they recover from those situations are discussed.

9.3 Future Research

Throughout this thesis several new directions for future research presented themselves. The other two ideas are briefly summarized below.

9.3.1 First direction for future research

Since there are many techniques are available to impute the missing data in an information table, which has shown by different researchers, a new concept of hybridization of some of the techniques can be used and verified with the existing real data.

9.3.2 Second direction for future research

Till now, there is no automated system is developed to impute the missing data. If such system will be develop then the existing techniques and the algorithms can be implemented in a new direction to handle missing information from images, audios, speeches, videos, information table with partial values etc. This type of application is very time consuming process and requires a complete knowledge of the different sub systems that will be embedded in the automated system.