CHAPTER 7 . CONCLUSION

Data warehousing is the leading and most reliable technology used today by companies for planning, forecasting, and management for e.g. resource planning, financial forecasting and control etc. After the evolution of the concept of data warehousing during the early 90’s it was thought that this technology will grow at a very rapid pace but unfortunately it's not the reality. A lot has been done in this field regarding design and development of data warehouses and a lot still needs to be done but one area which needs special attention from research community is data warehouse maintenance.

A major reason for data warehouse project failures is poor maintenance. Without proper maintenance desired results are nearly impossible to attain from a data warehouse. Unlike operational systems data warehouses need a lot more maintenance and a support team of qualified professionals is needed to take care of the issues that arise after its deployment including data extraction, data loading, network management, training and communication, query management and some other related tasks. To carry out all these functions and processes a qualified team of full time skilled professionals is required who can efficiently and constantly take care of all the data warehouse maintenance issues in a timely manner.

While the hybrid architecture creates a data management platform, which eases some of the IT department's data management burdens, the crucial question will always be: is there a direct business benefit? But, at the same time, the hybrid architecture creates a very apolitical stable layer from which to build the dimensional data warehouse according to business requirements.
6.2. Further Research

In due course of text data research I found a lot of other areas within text and graphic data field that need some attention from the research community.

A lot of multimedia companies are now thinking of outsourcing their data warehouse maintenance because of high costs. This is a relatively new area and further research could be done on the pros and cons of offshore data warehouse maintenance.

Companies are still finding it difficult to find an efficient view maintenance mechanism. ETL functions of extract, transform and load can also be considered for further research.

It is often found that personnel in an organization are reluctant to share their data with others. This concept of data ownership can also be considered for further research. Another area of research is data warehouse politics where certain users consider them more powerful than other because of having access to more and confidential secured data.