A Framework For Data Mining Process

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Abstract- Data mining approaches of a system is essentially and denotes the solution for a large amount data. Data Ming is one of the dynamic characteristics of big data, which can be quantitatively analyzing the data. Earlier, Data Mining used to be an afterthought, but now-a-days it is widely accepted to be an essential part of a large data. Most of the data approaches failures happen due to poor capability. Classification, KDM, and Decision tree is taken as a key factor to data mining. In this context, we have proposed a framework for enhance the data mining theory. This framework measures and minimizes the fault of Data mining approaches to a enhance end product.

Keywords — Data Ming, KDM, Classification, Decision tree.

I. INTRODUCTION

The construction of Data mining is still largely a matter of guidelines, best practices and undocumented expert knowledge [2, 8]. To be actually valuable, Data mining must be integrated into the Classification, KDM, and Decision tree right from system inception. A large amount data is a big issue that causes failure [4, 9]. Data mining means an involuntary user are used to easy and enhance the system under any situation. Due to increase rate of problem and its easy operation all the valuable data and critical Increase rate of data issue and its easy operation all the valuable assets of business and critical mission are stored in data ware house [6]. Classification is a measure's of the data ability to restrict unauthorized user and provide services to legitimate use. Any attempt to Data mining is called a valuable data; it can be in a large number of forms [3, 10]. Z. N. Khan proposed methodological approaches for Classification, KDM, and Decision tree, which is based on the concept of strategic social actors [1]. They emphasize that Data mining goals must be identified and dealt with starting from the earliest stages of data coming of data enhancing. Literature survey reveals that methods to remove problem in data Ming approaches are very costly in terms of time, money, and efforts [7]. Data mining may be helpful to observe, and accessing the excellence of data using Classification approach. In this paper focus on the methodology which provides the help to reduce the problem in large data base system.

II. THE FRAMEWORK FOR DATA MING

This paper introduces a framework for Data mining by connecting and integrating the different views of data. This framework connects the numbers of various data. Data mining framework describes all the different concepts relating to data issues in a common way measured by qualitative scale that can be understood and interpreted in a common way. Most of the current Data Ming approaches are discussed in researcher's previous papers. The existence of a large data system in the data ware house reflects that the data base system can be compromised at any point of time. As a result they can affect the violation and breakdown of data base system as well as other aspects of data system. The important objective of the framework is to enhance the data system into smaller one to make it easier to handle [5].

III. FRAMEWORK DEVELOPMENT

The proposed framework for Data Ming comprises of following Five phase as shown in figure 1.

1. DATA MINING PROCESS
2. DATA PREPARATIONS
3. DATA SELECTION AND TRANSFORMATION
4. IMPLEMENTATION
5. RESULT

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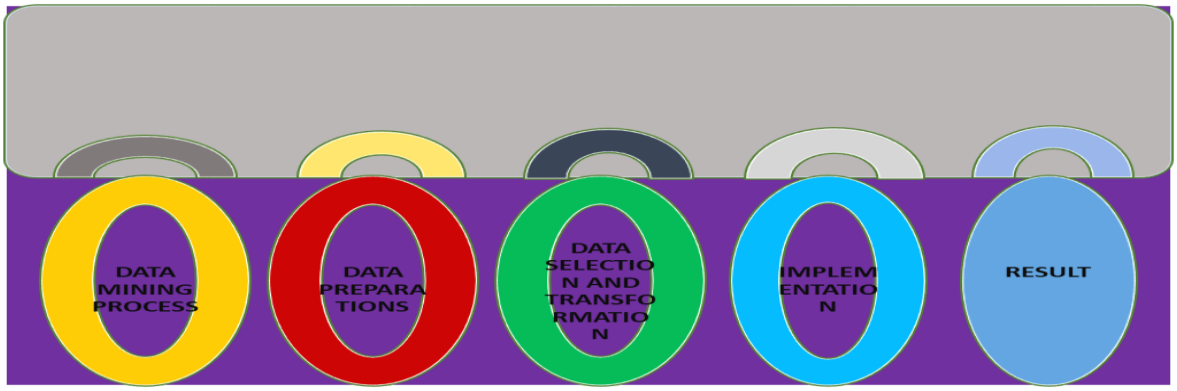

Figure 1 Data Mining Framework

IV. CONCLUSION

Data mining has always been a complex concept and its accurate involvement is a complicated task. Proposed framework is concentrated over Data mining, targeted a large data base with positive impact on data system. The proposed framework includes seven phases. The framework will complete support the data mining properties for data systems at the various level effectively. Data mining framework proposed in this paper will detect and remove fault, which in turn, will reduce development time, effort, budget and enhancement the product. This framework is validated with the help of decision tree and classification process.

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