Unit-s

expelication of Data housing and Data mining

Data wavehouse

It is a repository of an organizations electronically stored debo and are designed to facilate reporting and analysis.

It also emphasises on the means to retrieve and analyze data, to abstract, transform and load data and to manage data dictionary. data dictionary.

Mainly data warehousing includes business intelligence tools to abstract, transform and load data into repository and tools to manage and retrieve meta data Casta about data).

Ly A data workhouse is a collection of computer based information that is critical to successful execution of enterprise initiatives.

Advantages of Data workhouse

- 1. More cost effective decision making.
 2. Better enterprise intelligence
- 3. Enhance customer service
- 4. Business re-engineering

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Data mining is the process of abstracting hidden predictive information from a large adatabase. As more data are gathered, with the amount of data doubling every year, data mining is becoming an increasingly an important tool (technique) to transform the data into information.

It is commonly used in wide nange of profiling practices such as marketing, traval detection and scientific discovery.

Data mining can be applied to data set of any size. Data mining took predict future trends and behaviours albuing business. to make proactive knowledge driven decision.

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Dota mining somethings also known as dota or knowledge discovery: is the process of analyzing data from different perspectives and summarizing it into useful information. Technically, data mining is a process of finding co-relation or patterns among dozen of fields in large relational database.

Data Mining consists of five major elements:

Data mining consists of five major elements they are listed below:

- (1) Abstract, transform and load transaction data onto the data workhouse system.
- (ii) Store and manage the data in a multi-dimensional database system.

- (iii) Provide data access to business analyst and information technology professional.
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- (iv) Analyze the data by application software. me of the second

- eldvantages of data mining

 1. Automated prediction of trends and behaviour.

 2. Automated discovery of previously unknown pattern.
- 3. Database can be larger in both depth and breadth.

Data ware howing and Data mining in E-government

Introduction

Data workhousing and data mining are the important means of preparing the government to face the challenges of the new millennium (exa). This technologies have extensible potential application in the government. Mostly in various central government sectors such as agricultural, rivial development, health and energy and also in state government activities. This technology should be implemented throughly in the development sector in order to corryout the tack and activities smoothly.

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National Data warehouse

from the existing data sources within the central government ministries. National Data warehouse contains the data regarding the particular nation under different headings and subject areas. Such data warehouse helps the government of particular nation in order to make different plans and policies and implement them successfully, and helps the government in future.

Census Data

The data collected, gathered, compiled and normalized after census is known as census data. The census data are also stored in data warehouse so that it can be used in future. As the census compilation is performed once in ten years, the data is quasistatic and therefore no refreshing of the warehouse needs to be done on the periodic basis. Only the new data needs to be either appended to the data worehouse or alternatively a new data warehouse can be built. There exist many other subject areas (e.g. migration table) within the census purview (concern) which may be amenable and appropriate for dataware development, OLAP (Online Change gazing) Analytical Processing) and datamining application on which work can be taken off in the future.