Introduction

Many important tools such as databases, statistics, machine learning, information retrieval and artificial intelligence have influenced the development of data warehouse. It is an improved approach to integrate data from multiple, often very large, distributed, heterogeneous databases and other information sources.

A good understanding of Data Warehousing behavior is necessary for an efficient design of Data Warehouse facilities. One needs to understand how data interact with each other and with the warehouse facility in order to design such facilities better. That is, one needs to understand the stream behavior under various data warehouses conditions. The stream behavior, however, is complex because the warehouse stream is an outcome of human handling process. Further compounding the problem of understanding stream behavior is the fact that one cannot perform experiments with real-world warehouse in order to understand how it behaves if certain parameters of the system are changed.

*Data Warehouse an Engineering and an Analytical tool follows the same steps as conventional approaches. Analysis identifies objects and classes that are relevant to the problem domain; design provides the architecture, interface and component level detail.*

1.1 Central Warehousing Corporation (CWC)

Central Warehousing Corporation (CWC) is a premier Warehousing Agency in India, established during 1957 providing logistics support to the agricultural sector, is one of the biggest public warehouse operators in the country offering logistics services to a diverse group of clients.

Central Warehousing Corporation (CWC) is operating 476 Warehouses across the country with a storage capacity of 10.18 million tones providing warehousing services for a wide range of products ranging from agricultural produce to sophisticated industrial products.

Warehousing activities of CWC include food grain warehouses, industrial warehousing, custom bonded warehouses, container freight stations, inland clearance depots and air cargo complexes. Apart from storage and handling, CWC also offers services in the area of clearing & forwarding, handling & transportation, procurement & distribution, disinfestations services, fumigation services and other ancillary activities.

*Peninsular Trucking Private Limited Pune is an outsourcing company of Central Warehousing Corporation. They will provide me Statistical Data (Primary Data) for my research work.*
Peninsular Trucking has its genesis in entity named PetroChem carriers which started in 1970. In 1985 with the changed dynamics of the business environment and the expanded product mix warranted a broader nomenclature and PetroChem morphed into Peninsular Trucking Private Limited – a name synonymous with innovation and specialized transportation solutions.