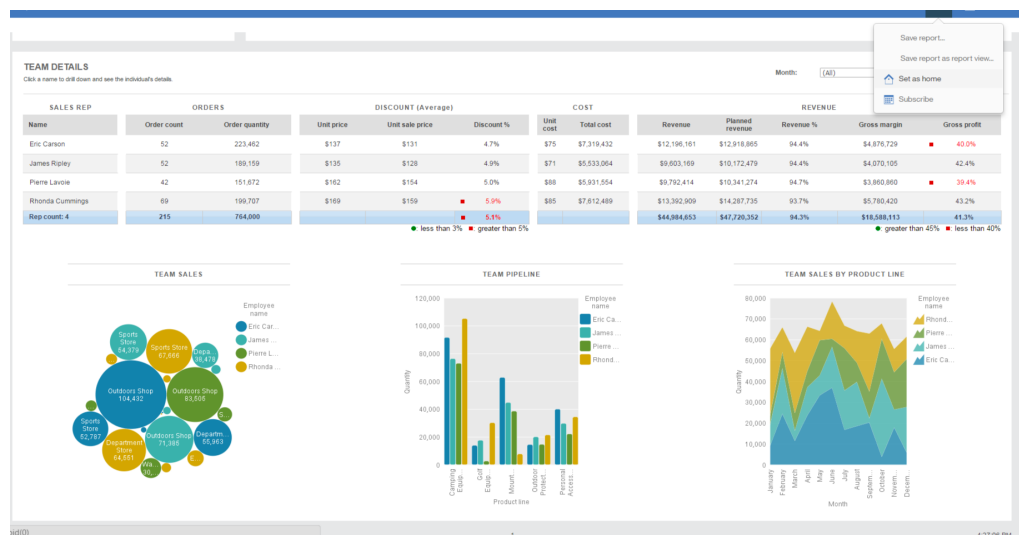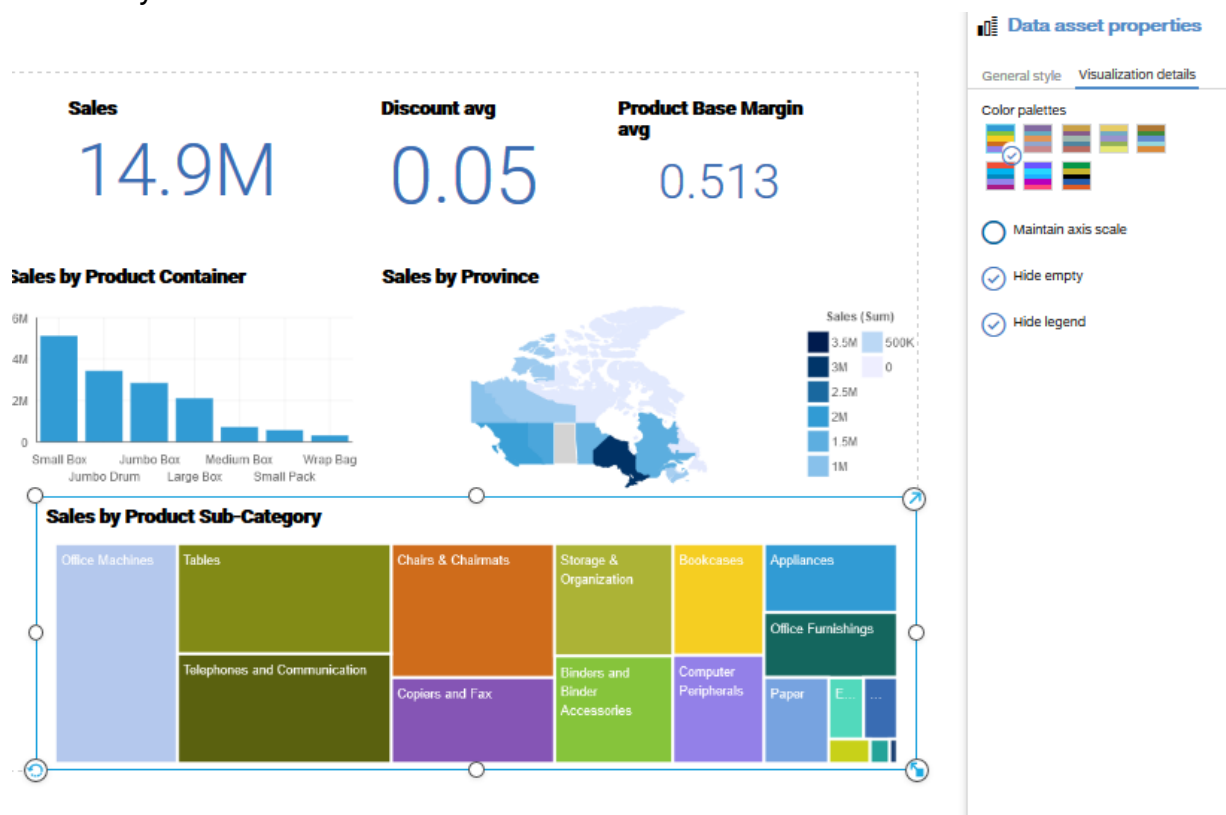# INRODUCTION

Cognos Analystic Dashboard For Sales

## Overview:-

Cognos is an IBM developed business intelligence tool, offering web-based reporting and analytic tools. This tool is used to create user-friendly reports which consist of graphs, different tab functionality, multiple pages, and interactive prompts. These reports are often viewed by users, and help to handle devices like smartphones and tabs. The Cognos also helps to export the reports in XML or PDF data formats files to view the reports in XML format. IBM Cognos business intelligence tool offers a wide range of data analytical features and they can be later considered as an enterprise software development tool to support flexible reporting environments (here you can consider both medium and large enterprises). These services should be the necessity of power users, business managers, analytic teams, and company executives. With the help of Cognos, power users, and business analysts to generate Ad-hoc reports and multiple times the same data views.

# Purpose:-

Cognos Analysis  helps businesses to find and focus on things which are important to the business. It also helps to understand the latest trends, compare data, and assess business performance for multidimensional analysis.Ibm cognos Analystic is  help u report,monitor, and analyse your company's corporate performance quickly and easily.



# Literature Survey:-

*Existing problem:-*

*The problem statement given to us is:-*

1.Collect the required data from given source to visualise the sales.

2.Download the data in the exploration.

3.Analysis the data in exploration to get the result.

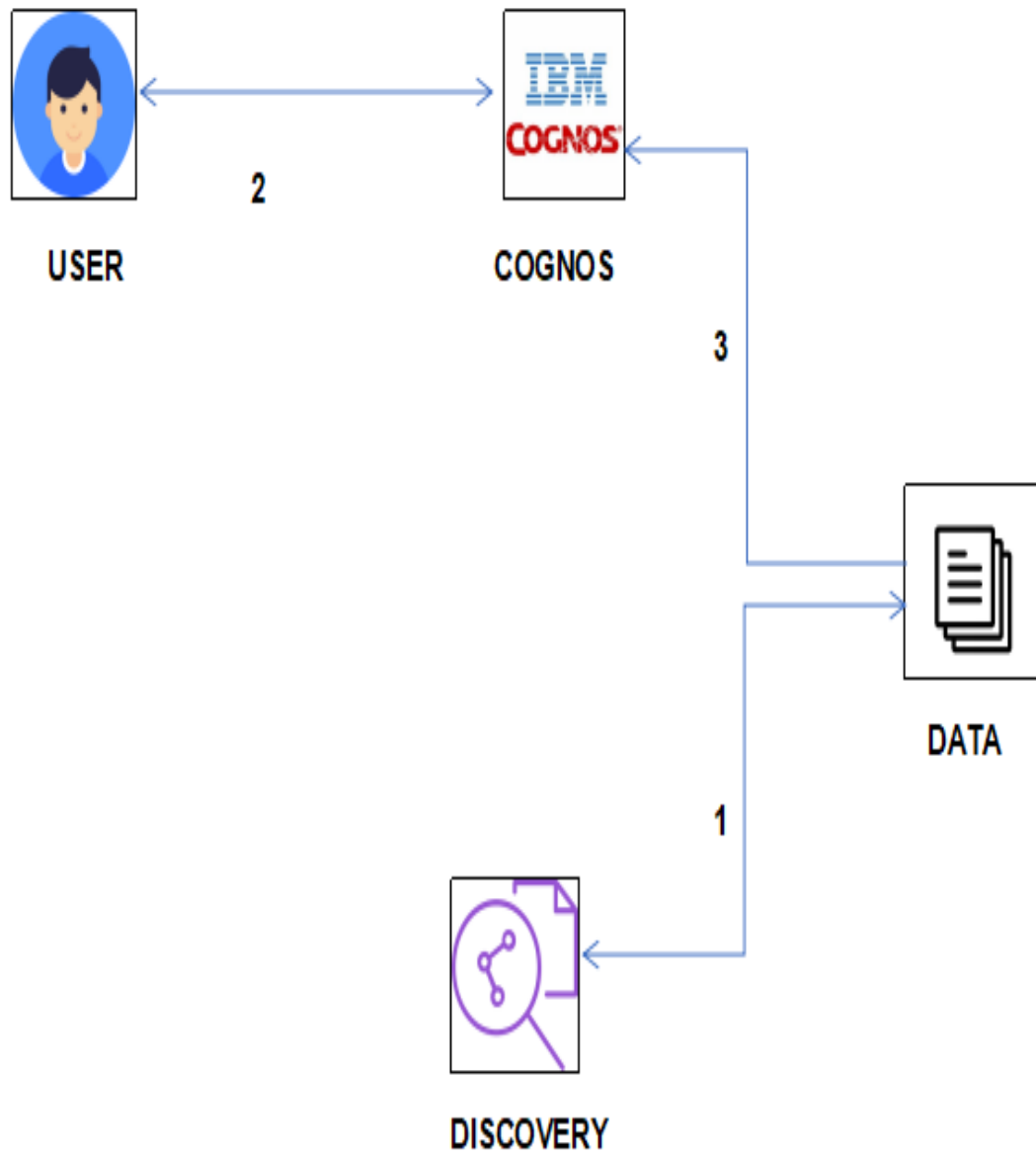4.we use the dashboard to analysis more information and we can finalise

*proposed solution:-*

The solution for the above problem is-

1.Receiving the dataset from the source.

2.Adding  or downloading the dataset to the exploration field.

3.Comparing the relationship with the sales with the different products
like sales by sales , sales by ship date,sales by  category name etc..

4.In dashboard we can choose the appropriate result to finalise  is the last step to  the result.
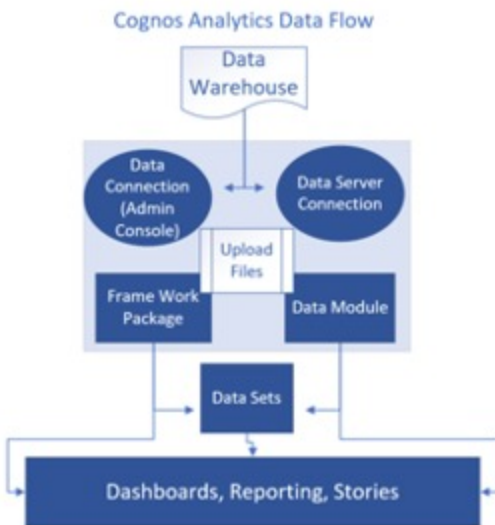
# Theortical Analysis:-

## Block diagram:-

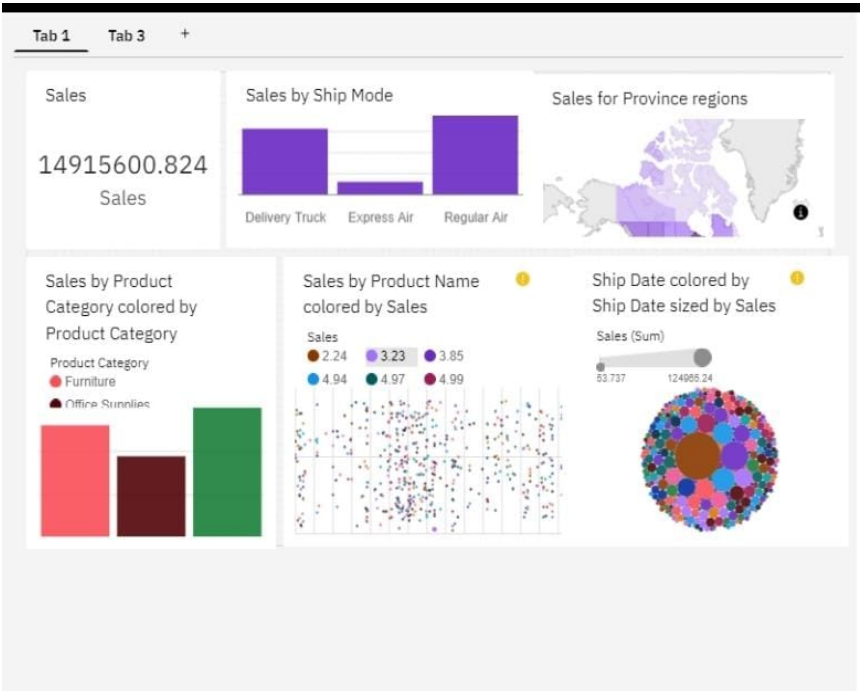USER

COGNOS

2

3

DATA

1

DISCOVERY

# Software:-

- ➤ You can specify system-wide settings for accessible report output that apply to all entries, including reports, jobs, and scheduled entries.
- ➤ Automating Tasks
- ➤ Virtually everything you can do with the product, you can achieve using the appropriate API, URL interface, or command line tool, as illustrated in the table below.
- ➤ Setting up a multilingual reporting environment
- ➤ You can set up a multilingual reporting environment.
- ➤ Configuring Your Database For Multilingual Reporting
- ➤ IBM Cognos Analytics is a Unicode product capable of querying data in many languages and encoding.
- ➤ Installing Fonts
- ➤ IBM Cognos software uses fonts to display HTML reports and pages in browsers, to render PDF reports on the IBM Cognos server, and to render charts used in PDF and HTML reports.
- ➤ Setting up printers
- ➤ To make printers available to users when they distribute reports, you can create entries for printers and save them in the IBM Cognos content store.
- ➤ Configure web browsers
- ➤ IBM Cognos Analytics components use default browser configurations. Additional required settings are specific to the browser.
- ➤ Allow User Access to Series 7 Reports
- ➤ If IBM Cognos software is configured properly to use the IBM Cognos Series 7 namespace, you can allow users to access NewsIndexes and NewsBoxes of the Series 7 version of IBM Cognos Upfront.
- ➤ Restricting Access to IBM Cognos Software
- ➤ You may not want all users that exist in an authentication source to have access to IBM Cognos software.
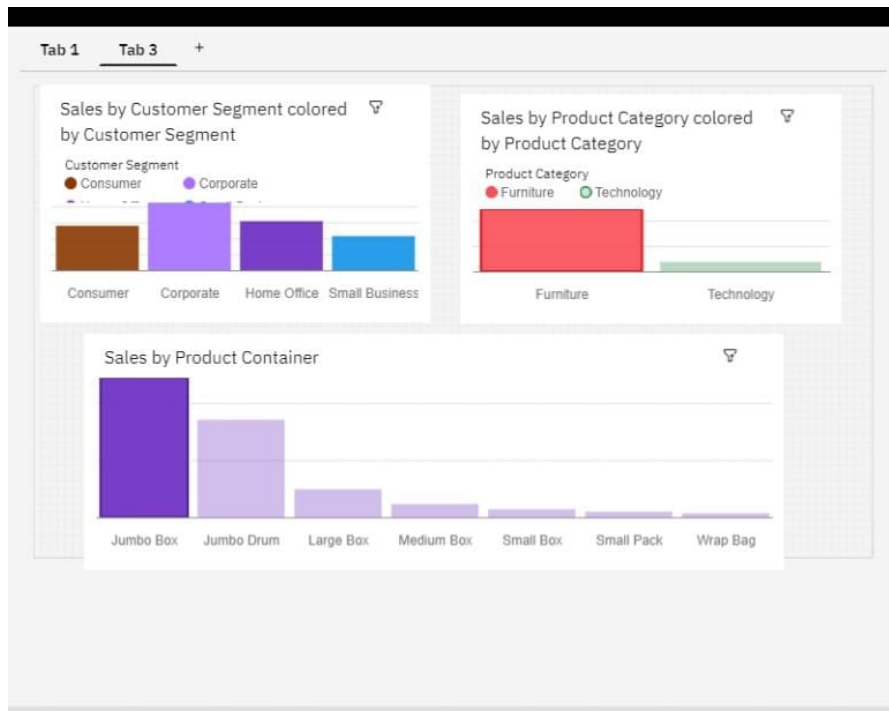
# Flowchart:-

Cognos Analytics Data Flow

# Result:

First we achieved to extract data from the dataset.
second we are able to visualise the relllations.
finally,we get the output the expected output.

Sales

# 14915600.824
Sales

Sales by Ship Mode



Delivery Truck     Express Air     Regular Air

Sales for Province regions



Sales by Product
Category colored by
Product Category

Product Category
● Furniture
● Office Supplies



Sales by Product Name
colored by Sales

Sales
● 2.24    ● 3.23    ● 3.85
● 4.94    ● 4.97    ● 4.99



Ship Date colored by
Ship Date sized by Sales

Sales (Sum)
53.737              124985.24

# Advantages

- ➤ you can publish and Cognos-enabled files to the secure BI portal.

- ➤ Cognos BI provides a limitless workspace to support how people think and work.

- ➤ It offers various BI capabilities like query and reporting, analysis, and score carding using single architecture.

- ➤ Easily view - assemble and personalize information.

- ➤ Helps you to analyze fact and anticipate tactical and strategic implications

- ➤ Allows you to collaborate to establish decision networks to share insights and drive
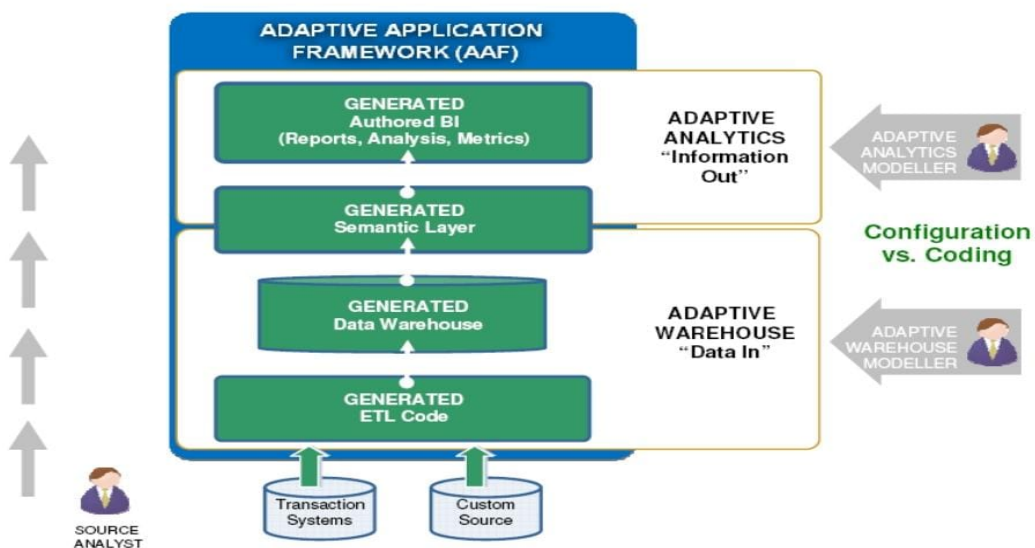
towards collective intelligence.

➤ Offers transparency and accountability to drive alignment and consensus.

➤ Helps you to communicate and coordinate tasks to engage the right people at the right time

➤ Allows you to Integrate and link analytics to business workflow solutions and proces.

➤ Reduced time to decision by accessing data with no latency.

➤ Helps you to Increased productivity among workers by accessing data for intraday decisions.

➤ Allows users to share and modify Cognos BI content using known applications and interfaces.

➤ It supports the leading RDBMS to persist data that is related to content management and reporting.

➤ Improved productivity through proactive through real-time notifications and workflow.

➤ Distribute business intelligence to everyday users

# Disadvantages

➤ Cognos Bi has also not been accepted very eagerly in departmental or divisional deployments.

➤ No support for any Multi-dimensional analysis.

# Application

➤ Meet business change head on- to change as fast as your business does

➤ Minimize your IT departments role in constantly managing the application

➤ Ensuring that the application's content is continuously relevant

➤ Optimizing the TCO of the applications



# Conclusion:-

By using this cognos analystic dashboard for sales.we can visualise the data by using different relationships.And we can also analysis  how sales is going on with different products.We are visualising the data by colouring the important part in the maps,bars,etc..we have analysis on that how the sales  is working  with product in the given period of time and   it will help the  to visualisation in the past years with the given products.so,that our project is capable to integrate with the cognos dashboard analystic.

# Future scope:-

➤ It has a huge scope in the analytical eco-space, and it depends and its scope depends on the scalability of its usage. It has three options –

➤ The Trial Version of the Premium edition.
➤ The Premium edition, which has the full capabilities of Cognos.
➤ The Enterprise edition, which is mostly used in big industries, meets their needs in a particular environment

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IT Team-11
 V.Seeyon Kumari
 V.Yaswanth Nag
  Yagna Sri Thirupathi