

BAI Assignment 1

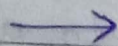
Q.1. What are some of the key system oriented trends that have Information System-supported decision making to a new level?



There exist some key system-oriented trends in order to increase the support for the decision making to a new level which are discussed as follows

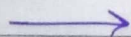
- Software Development for analyzing problems & solution -
The various applications & the software development can be considered as one of the system oriented trends that can improve the information system that provide more support for the decision making to a new level.
- The availability of network services -
The technologies improvements for the networking technologies also can be considered as one of the system oriented trend such as the various web-based technologies & the development of different mobile devices.
- Various social media platform -
In recent time, the various social media applications such as Facebook, twitter provide various information & the user can share the important information that helps for decision making process.

Q.2. List some capabilities of information system that can facilitate managerial decision making.



- ① Impact on problem definition
- ② Speed of problem identification
- ③ Decision making analysis
- ④ Decision quality
- ⑤ Speed of decision making
- ⑥ Decision makers satisfaction
- ⑦ Fast & accurate data processing
- ⑧ Instantaneous access to information

Q.3. List & explain the major components of BI.



Five primary components of BI include:

① OLAP (online analytical processing):-

This component of BI allows executives to sort & select aggregate of data for strategic monitoring. With the help of specific software products, a certification in business intelligence helps business owners can use data to make adjustments to overall business processes.

② Advanced Analytics or Corporate Performance Management (CPM):-

This set of tools allows business leaders to look at the statistics of certain products or services. For instance, a fast food chain may analyze the sale of certain items & make local, regional & national modification on menu board offerings as a result. The data could also be used to predict in which market, a new product may have the best success.

③ Real-time BI:-

In a mobile society, this particular component of BI is becoming increasingly popular. Using software application a business can respond to real-time trends in email, messaging systems or even digital displays. Because it's all in real-time, an entrepreneur can ~~am~~ announce special offers that take advantage of what's going on in the immediate.

④ Data Warehousing:-

Data warehousing lets business leaders sift through subsets of data & examine interrelated components that can help drive business. Looking at sales data over several years can help improve product development or tailor seasonal offerings. Data warehousing can also be used to look at the statistics of business including how they relate to one another.

⑤ Data Sources:-

This component of BI involves various forms of stored data. It's about taking the raw data & using software applications to create meaningful data sources that each division can use to positively impact business. BI analysts during using this strategy may create data tools that allow data to be put into a large cache of spreadsheets, pie charts, tables or graphs that can be used for a variety of business purposes.

Q.4. What is a data warehouse? How can data warehousing technology help in enabling analytics?

→ Data Warehousing:-

A data warehousing is process for collecting & managing data from varied sources to provide meaningful business insights. A data warehouse is typically used to connect & analyze business data from heterogeneous sources. The data warehouse is the core of the BI system which is built for data analysis & reporting.

Data warehousing is designed to enable the analysis of historical data. Comparing data consolidated from multiple heterogeneous sources can provide insight into the performance of a company.