

## Components:

- Data Sowices: Collects raw data from various inturned and external sources, such as databases, spreadsheets and APIs.
- Data Warehouse: Integrates and stores data from different sources to provide a unified view for emalysis.
- ETL (Extract, Transferm, Load) tools: Extract data from source systems, transforms it into a consistent format and leads it into the data were house.

#### > Model based management subsystems:

Employ various mathematical, statistical and analytical models to analyse data and simulate different scenarios. They help in understanding complex relationships and predicting out comes.

### Components:

- Decisian models and algorithms: Utilises mathematical models, algorithms and simulation techniques to analyse data and make predictions.
- OLAP cubes: Enables multi-dimentional data analysis to grovekly explore data from different purspectives.
- Predictive Analytics: Uses statistical and ML models to forcest trends and outcomes.

# -> User Interface Subsystems:-

Provide an interactive platform for users to access and interact with the DSS functionalities. They offer a user friendly environment for data exploration and decision making.

## Components:

- Pashboards & Scorecards: Presents Rey performance indications and critical metrics in a visual fermat for real time manitoring.
- Reports & Visualisation Tools: Generate costamisable minimum consumments and visualisations to communicate insights effectively.
- Query and explore data to gain deeper insights.

# -> Knowledge based management subsystems:-

utilises domain knowledge and expertise to provide context specific recomendations and support intelligent decision making.

#### Components:

- Expert Systems: Incorporates domain knowledge and rules to provide advice and recommendations based on specific scenarios.
- Case based reusening: Uses historical data and past minimum for similar problems.

Knowledge base: Stores and manages organisational knowledge, best practices and expert opinions. lieved and interactive platform tex

#### > Organisational Knowledge base: -

A central repository that sterns the accumulated knowledge, best practices and lessons learned by the organisation. It serves as a valuable resource for decisian makers,

# Components um num

- Best Practices: Documents proven approaches and successful strategies for various business processes.
- Lessons Learnt: Captures insights & experiences from post projects and decisions for future reference.

Organisational policies: Contains quidelines, regulations and policous that goide decision making within the organisation. - Knowledge budged mining contract cobsystems