Page-1 & Business Intelligence D'Explain the factors driving BI. Discuss any one case study on how BI has helped organization to improve State the key capabilities of BI. Ans: The factors driving BI are - large amount of data -> Complicated decision - mich decesion Stridy: Business Challenge > To improve collaboration and visibility by integrating email and calendar to receive toitle on Visibility on University Events:

The business Solution that was devised addressed of the following features A cloud based module on the web platform which will allow students to link MS Office 365 Outlook email with calendar members or faculty, once logged in into the education portal. - An app which provides visibility on number of read/unread emails I Development of webs part providing links to other internal applications The application was compatible for all devices while included laptop, deshtop and mobile. business Benefit: Improve Collaboration and Vesibility Technology: MS Office 365

The key capabilities of BI solutions are organizational Memory Capability lage 2 Information Integration 7. Ensight Greation * Presentation Capabilities Q.2 Why use computerized decision support? Discuss the phases of decision making process. Diagramm atically represent the Business Nessures - Responses -Support Model Support Model The need for Computerised Secision Support for System are listed below: (a) Improved Communication and Collaboration (b) Increased Productivity of Georg Members (c) Improved Data Management. (d) Managuig Grant Bata Warehouses becomes easy (O Overcoming agnitive limits in processing and storing information. The phases of decision making process include: (a) Intelligence Gathering - This step includes finding a problem, defining it gathering data to solve it and constraints identification wish the problem. (6) Besign Phase : Also called solution discovery, is about finding out possible solutions @ Choice "includes selection of best proposed solution (a) Implementation: solving the real problem or finding but if the solution is working or can a better solution be proposed

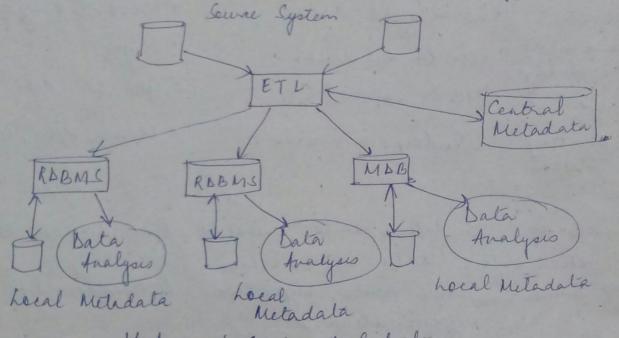
Page 3 Business Decisions and Organization Support Environmental Responses. factors Analysis, decisions, Strategy, Globalisation, Partners' Consumer demands, Predictions collaboration, government egulation, Haltime responses makets and V agility, increases Opportuconjetition etc productivity Integrated new vendors! completerised new poo decision business models Business Business o Pressures - Responses -Intelligence Support Model. Q.3. Diagrammatically represent Framework for BI. Discus any 4 critical success factors of BI implementation. Define (i) ODS (ii) CRM. Data Waschouse Businesstualylies Environment Environment l'erformance & Technical Data Acress

Guild the data W/H Manipulations executives, BPM

results strategues User Interface browser, portal, deshboard Future component : intelligent Lystens

Four critical success factors of BI implementation lage - Appropriate Planning and Alignment with the business strategy the company Center (BICC) within the company -> Review the existing IT infrastructure > Review the current BI tool-sets (1) DBS: Operational Data Store provides a fairly recent form of customer information file the contents of an OBS are updated through the course of business operations. It is used for short term decisions involving mission-wild applications. (1). CRM: Customer Relationship Management is a term that refers to practices, strategies and technologies that companies use to manage and analyze customer interactions and data throughout the customer lifecycle, with the goal of improving business relationships & interactions in the goal of improving business relationships & Q. 4 With the help of a neat diagram, explain the ETL process. Discuss hub and spolle architecture List the six quidelines to be considered when shortlisting a vendor Transient Packaged application, data Legacy Extract Transform Cleanse hoad Stata mark Other application ETL Process

All input files are written to a staging area which are designed to facilitate the load process. Business rules are defined, along with summarization rules containing demension algorithm. All evended attributes must be standardized ; i e consistency across columns or table names Date quality issues must be dealt. Business rules are stored in central do metadata repository Source System



Hub and Spoke Aschilecture

enipacting data mart users & then be published to one or many spakes.

There is size a database as per the specific needs the broids scalability:

& Provides scalability.

* knidelines that need to be considered when developing

Denancial strength of the organisation Denalified consultants

(3) ERP linkages (1) Market share

(Industry experiences (Established partnerships

Page b) data mart approach: state any four iosues to be considered when developing a vilocessful data washouse. Define (i) Alert systems (ii) Exception Leporting. EBW Approach Data mart Approach · Several subject areas . The subject area · Scope: , Development · High how to medium difficulty · GB to PB . MB to several GB · Size · Unis, 2/05, 05/390 'Windows & hines. · Operating System Points to the taken into consideration when developing a successful data warehouse & kusiness practices > determine the goals, objectives for an organization identify the data sources

identify the need of OSS (operational data sources)

identify the appropriate technology for ETL,

metadata and data warehouse. (i) Alert Systems: BI book which send notifications to the user that Reas a certain event or condition has happened Eg when daily sales figure falls under a certain to of target (11) Exception Reporting: This method consolidates data from multiple end-points and systems across an enterprise and performs a rules-based analysis to provide exception reports to Various stakeholders in the

b List any 4 differences between traditional and to active data warehousing invisonments. Siecuss any to four that the characteristics of total OLAP tools Active Traditional - strategie and tactical decisions - strategie decisions only to measure results measured with operations -> data updation is every daily, weekly, monthly updation - operational slaffs, call centers, external weers. power users and internal Characteristics of OLAP tools:

Multidimensional conceptual view for formulating -> Transparency to the user -> Easy accessibility. Client-server architecture MicroStatergy's classification of BA tools -> Enterprise leparting: Pixel-perfect report format

-> Cube Analysis: used to provid simple DLAP, multisteddinrensional slice and dice analytical capabilities -> Ad hoc and queries" and analysis > perform on ROLAP to query a database for analysis statistical analysis or to discover lorrelation bet n two metrics - Alest system to notify users whenever an event occurs