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Lect.2

Conceptual design of E-technology : is based on the integration of all the major attributes in figure(1) in e-technology management environment .
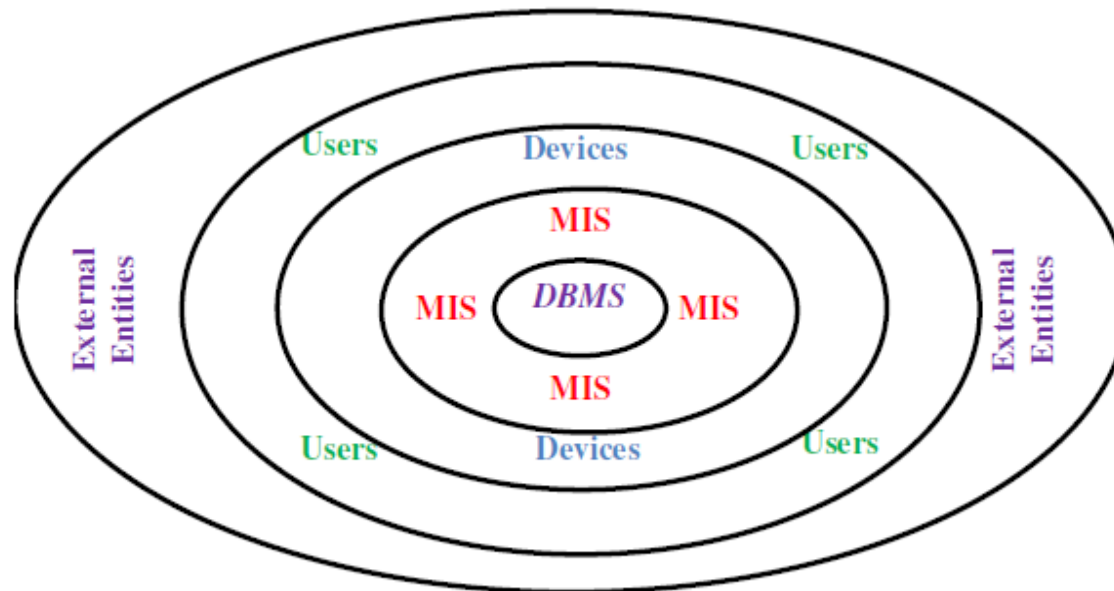

Figure 1. The attributes of E-management.

Database management system (DBMS) :-
The core or the heart of the whole system is the Enterprise database , which is a central warehouse where all data are collected , stored , analyzed and retrieved in an efficient and structured manner . In E-management environment , the enterprise database should be a single integrated database in order to ensure data integrity and security. And this database shall be supported by the actual database management systems such as Oracle , ... etc.
(DBMS) , is a system designed to manage a database and to choose this function is a very critical task.
The DBMS shall be managed by a dedicated Database Administrator (DBA). DBA will make sure the Database is running smoothly and efficiently and , there are many functions of DBA .

Management information system (MIS) :- is a completer and integrated application system to support the operation of the organization. It is designed on top of E-Management's principles to achieve E-Management's vision and mission. Figure 2 . Explain the management information system (MIS).
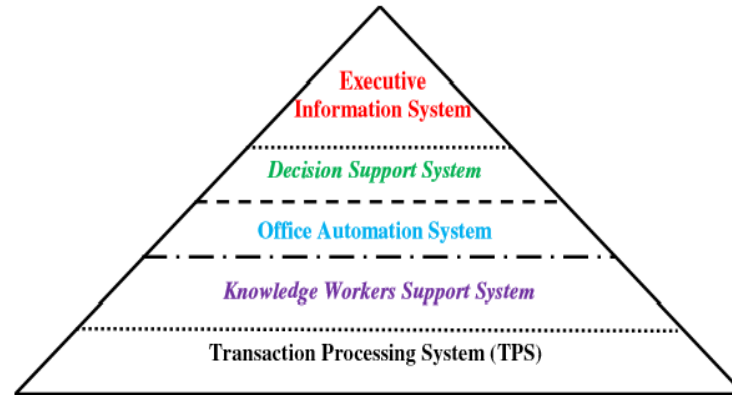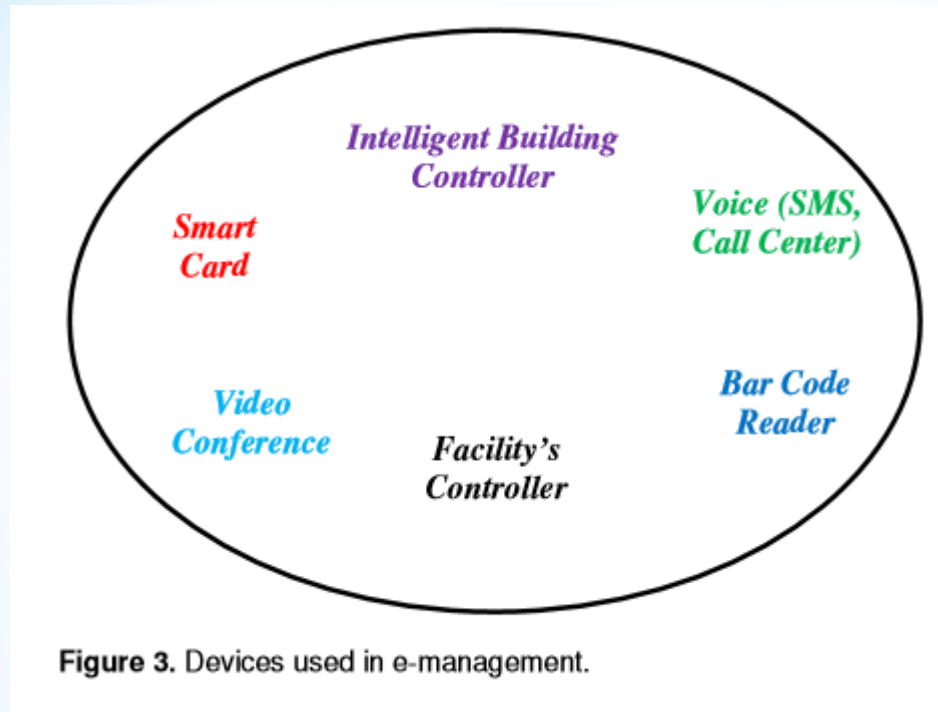
Figure 2. Management Information System (MIS).

Devices Management: E- management will utilize all available devices in the in the industries in order to increase the level of automation. The devices will be interacting with MIS application and Database Management System . It will update the data into enterprise database through MIS applications. Fig. 3 show typical examples of the devices.

Figure 3. Devices used in e-management.

User management : the fourth is all the users who are involved in using the system either as a process owner or an end-user. All the users must be identified and categorized properly to ensure every type of users are given a proper attention in terms of planning , designing ,development and implementation. The critical categories of users are data owner , process owner, system owner ,end users .

External entity: the last layer is the external entities of the organization such as parents , ministry, sponsors , suppliers, customers , banks or anyone who has interaction with the organization or who needs to access the information from the Enterprise Database. In conventional IT environment, there won't be any online access given to any external entities , due to the security and capability of the internal system. But in e-management all these problems can be managed properly .it will allow the external entities to enter the main database without any worries .they will be given access with customized information they need , and they can access it any time anywhere .

Questions:
1: explain external entities?
2: what the critical categories in User
   management ?
3: discuss the Devices Management ?
4: define the DBMS & MIS ?
5: explain the following ? And what it's
     mean
      "Conceptual design of E-technology"