Electronic Technology (E-Technology)

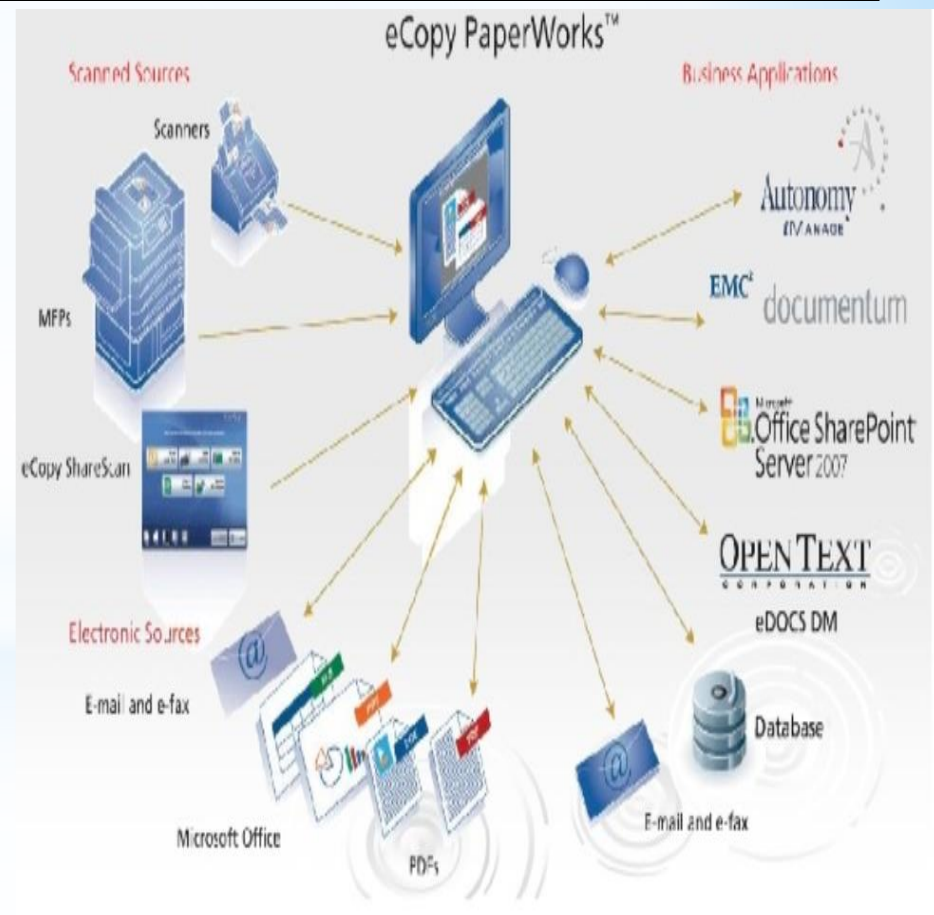*Asst.Prof. Asaad A. Alhijaj*

Lect. 1

Topics

e-management
 * introduction
 * functions and components
        of e-management
 * electronic systems for e-
        management
 * design and implementation
e-governance
 * definition and benefits

* types of e-governance , advantage & disadvantage
* stages of e-governance
* communication and challenges in e-governance
* case study

e-journalism
 * essentials of e-journalism
 * important facts about e-journalism
 * types of e-journalism
 * the future of traditional journalism through electronic
 *case study

e – shopping
 * what is online shopping
 * types of e-shopping
 * the systems e –shopping
 * which plan that use in e-shopping
e-shopping technology
 * communications tools in e–shopping
e – learning
 * why develop e- learning
e- learning approaches
 * quality of e-learning
 * synchronous and asynchronous e-learning

References :

- American government a brief introduction , by Theodore J.Lowi ,2019,w.w.norton &company new york ,London.
- Introduction to E-commerce , by Zheng Qin ,Springer , 2009 ,Tsinghua university press .
- E- learning methodologies A guide for designing and developing e-learning courses ,2011, rome
- Different papers that related with these topics.

Learning Outcomes and course object

The purpose of this course is to provide student with basic information about recent concepts technology . give the students skills in recent virtual application , that consider new tools in organization and management now.

E- management : Now , the IT and internet entered in wide world as, e-management, e-governance, e-commerce, e-learning ... Etc. therefore , the quality of governance management must based on e-technology . This organization became intelligence and dependence knowledge workers. E-management is designed for future organization in facing future challenges. Then, what is future organization ? Or , what characteristics an organization should have in the future?

Definition : e-management is designed to support an organization through the development and deployment of the enterprise wide IT projects. It can be defined as strategic approach of managing future and dynamic organizations through the implementation of a high-performance and technology – based system . It focuses on integration , automation and artificial intelligence by using rapid development and deployment methodology towards the creation of knowledge environment to achieve the organization's vision.
e- management is designed with technology – based system which offers high performance and capability to support heavy processing , intelligent processing , dynamic processing and fast and rapid processing of all the processes in the organization.

The technology used shall be an enabler to react to future challenges. Technology –based system has several characteristics ,that allow it to be as an enabler and supporter to the future organization .*the characteristics are:-*

- **Connectivity enabler** :- with current information communication technology (ICT), the technology – based system can connect the organization to the outside world as fast as possible . It connects people inside and outside the organization in a few seconds through such systems as information system , email system ,chat system and through all the information in the internet .
- **Intelligent engine :-** the technology-based system is intelligent , with the capabilities of simulating , thinking ,predicting and planning. Also with the capability of exploring , self-learning and reacting , it can support the organization with less human resource especially at the operational level . thus , it can improve the organization's efficiency and help the organization to react fast and intelligently to all the new challenges in the future .

- High performance processor:- the technology –based system has the capability to process all the problems much faster compared with the human's processing capability , with the new ICT including high performance memory ,CPU, Storage management , Network system , Operating System , Database system and other necessary info-structure and infrastructure.

Questions :
Q1: define briefly e-technology ? And give the example ?
Q2: discuss **Connectivity enabler ?**
Q3: define the High performance processor ?
Q4: explain basic concepts of e-technology ?
Q5:describe the future with e-technology ?

End