King Saud University
College of Business Administration
Department of Management

PA 613 Information Technology in Management

Semester: spring 2015-2016

Course Credits: 3 Credit hours
Prerequisite(s): None
Instructor: Prof. Mohammed Alsudairy
Office location: Room 101

Course Description:

This course overviews computer, communication and software systems within the business domain. It explores and utilizes cases in business applications of information technology. E-Government, E-Government − to − Citizens and E-Government − to − Businesses, strategy of E-Government, and future of E-Government. Other topics cover, managing the acquisition and use of application systems, working with the Information Systems Organization.

Objectives of the course

The main objectives of the course are to provide students with the deep understanding that the major role of information technology is to provide governments and organizations with strategic advantage by facilitating problem solving, increasing productivity, improving customer service and enabling business process reengineering. Moreover, the course will enable students to understand that IT can be provided not only by information systems departments, but by end users and vendors as well. To sum up, students should realize that managing information resources, new technologies, and communication networks is becoming the critical factor in the successful operations of many companies, and will be essential to the survival of business.

Text Book:

Management Information Systems: Managing the Digital Firm, 14/E Kenneth C. Laudon –Jane Laudon (2016).

Additional References:

Information Technology for Management, 8th Ed., by Turban, Leidner, McLean and Wetherbe, Wiley, 2012.

Digital Government Research, Case Studies, and Implementations, H. Chen, L. Brandt, etc., Springer, 2008.

Mobile Government: An Emerging Direction in E-Government, I. Kushchu, Igi, 2007.

Tentative List of Topics Covered by the Course:

Part I: IT in the Organization

- IT Support of Organizational Performance
- Information Technologies: Concepts and Management

Part II: IT Infrastructure

- Data Management: Data, Database and Warehousing
- Networking: Discovery, Communication, and Collaboration

Part III: The Web Revolution

- E-Business and E-commerce
- Mobile, Wireless, and Pervasive Computing

Part IV: E-Government

- E-Government services
- E-Government – to – Citizens
- E-Government – to – Businesses
- E-Government strategies
- Evaluating E-Government
- Mobile Government
- Future of E-Government

Part V: Organizational Applications

- Transaction Processing, Functional Applications and Integration
- Enterprise Systems
- Inter-Organizational and Global Information Systems

Part VI: Managerial and Decision Support Systems

- Knowledge Management
- Business Intelligence Data Management
- Management Decision Support and Intelligent Systems

Part VII: Implementing and Managing IT

- IT Strategy and Planning
- Information Technology Economics
- Acquiring IT Applications and Infrastructure
- Security
- Impacts of IT on Individuals, Organizations, and Society

Evaluation and Grading

- Project & Presentation 20 %
- Assignments and Participation 10 %
- Research Project 30 %
- Final Exam 40 %

Research Topics:

- E-commerce, E-Government, E-Business, E-Negotiating
- E-Learning, E-Banking, E-Health
- Strategic Information Systems, CRM, ERP
- Knowledge Management
- Data Warehousing and data mining
- Security of information system
- Others (Propose a topic and get approval from instructor before you start within the first two weeks)

Instructions for Research Project and Literature Review:

1. Students need to submit a proposal within the first month and get approval from the instructor on the topic and the research method if applicable.

2. The publication dates of the chosen articles should be within the last 24 months.

3. Do not select news item; be careful of Internet resources; select theoretical or applied articles (Journal rigorous articles).

4. The topic of the article must be directly related to the content of a specific subtopic.

5. The content of the chosen article should be such that it contributes to this class (e.g. new theory, proposition for testing a theory, interesting application, applications with important practical lessons, etc.).

6. Each group is required to make a class presentation of chosen article. You must use Microsoft PowerPoint for your presentations.