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Course Profile - Department of Information Technologies

Course Number : **IT 101**	Course Title : Introduction to Computing
Required / Elective : Required	Pre / Co-requisites : -
Catalog Description: Information technology concepts. The computer and its peripheral units. Widely used software, storing and retrieving information, information input and output. Networks and networking, internet, Windows environment, Linux environment, HTML, computer graphics and multimedia; computer security.	Textbook / Required Material : Computers Are Your Future, B. Daley, 8th or 9th edition, Pearson Prentice Hall
Course Structure / Schedule : **(2+0+2) 3 / 5 ECTS**	

Extended Description :
The course aims to provide basic computer literacy, which is the foundation for higher level courses. To this end, the course covers conceptual as well as practical skills, including:

- Terminology and fundamentals of information technology.
- Familiarity with computer hardware and peripheral devices.
- Familiarity with popular operating systems, file management, and productivity software.
- Searching for information on the web.
- Principles of programming languages and software development.

Design content : None	Computer usage: Extensive

Course Outcomes: [relevant program outcomes in brackets]:

By the end of this course, students will be able to:

- demonstrate knowledge of basic terms and concepts related to computer hardware; [1]
- distinguish between different types of input, output and storage hardware; [1]
- demonstrate familiarity with computer logic and computer architecture; [1]
- list and describe the tasks of operating system software and related system software; [1,2]
- list and describe different types of application software; [1]
- demonstrate familiarity with Open Source software and the Linux operating system; [1,2,3]
- list and describe basic concepts related to communication and computer networks; [1,3]
- effectively search for information on the WWW and assess its validity; [8]
- create a static Web page using HTML; [1]
- demonstrate familiarity with the basic concepts of programming; [1]
- demonstrate familiarity with some aspects of the historical development of computer technology. [6,7]

Program Outcomes for Management Information Systems Program:

1. A foundation in mathematics and basic sciences and ability to apply acquired knowledge as they relate to the study and practice of information systems management.
2. An ability to align information technology, organizational and strategic matters.
3. An ability to propose, analyze, design, develop, test and maintain an information technology system including software solutions, security model, computer and network infrastructure, etc. to solve information systems problems.
4. An ability to analyze local and global impact of computing on individuals, organizations and society; and the ability to apply information systems techniques, skills, and tools for regular computing practices as well as to improve effectiveness of current methodologies.
5. An ability to effectively communicate in oral and written media with all kinds of related audiences; and prepare documentation for this purpose as required.
6. An understanding of professional, ethical, legal, and social issues and responsibilities of information systems management profession.
7. A taste and breadth of knowledge across several social topics outside the immediate requirements of the information systems management profession, and the ability to work within heterogeneous teams to accomplish a common goal including people from the information systems area as well as other disciplines.
8. An ability to engage in life-long learning and professional development for personal improvement to follow contemporary information systems issues.

Teaching methods:

Lectures and laboratory sessions.

Assessment methods:

Laboratory reports: 25%
Midterm exam: 35%
Final exam: 40%.

N.B.: To emphasize the practical emphasis of the course, students who miss more than three lab sessions fail the course, regardless of other grades they receive.

Student workload:

Reading	72 hrs
Lectures	28 hrs
Laboratories	20 hrs
Examinations	5 hrs
TOTAL ……	**125 hrs**

Prepared by : KÖ	Revision Date : 8.2.2010