

IMPACT OF INFORMATION AND COMMUNICATION TECHNOLOGY ON MEDICINE

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Abstract

Scientific and technical developments are becoming the forerunner of the future prospects for humanity. As society develops, peoples give more priority to their lives, and in particular to health as the most valuable thing for the human being. Consumer knowledge gives personal independence to the people in all areas, but also in medicine. Future trend of medicine is self-control and self-management of health. Technically this concept is understood, but the realization and implementation depends on society education, created infrastructure, foresight of governments and policy institutions to build workable policies in daily practice and the ability to successfully apply these programs, schemes or system, which should be costless and with more efficiency than existing systems. Smart phones are the core of modern telecommunications. They have various applications, that makes smart phones serves as navigator, as lighting lamp, as stethoscope, as a magnifying glass, microscope, etc. and when they are connected to the network, enable easy navigation on the Internet, send e-mail, SMS, photos and videos. Implementing medical applications to smart phone will have an important role on future of medicine, such as enabling control of the health parameters of the human body. Mobile applications have taken wider place than communication or entertainment, touching every sphere of life that we do, including health insurance. The future trend of medicine is self-control and self-management of health. In this paper we will analyse factors should be considered in the design of a mobile application in the medical field. The application will use a medical dictionary that has different classifications such as "taxonomy", "topic maps", "Faceted Classification" and "Controlled vocabulary". By selecting certain symptoms, each user will have the option of finding the cause or causes, symptoms if they belong to more than one disease, as well as access to information about examinations and procedures.

Keywords: *ICT, smart phone, e-application, medicine, symptom.*