Telemedicine Using Cloud Computing in Jordan

Qeethara K. Al-Shayea, Al-Zaytoonah University of Jordan

ABSTRACT

In cloud computing, data is available at anytime and anywhere with the spread of a broadband network. The paper proposes a telemedicine model to be implemented in Jordan. This model uses MATLAB server services to make decisions about a patient case. At the same time, this paper focuses on the relationship between the national broadband network projects and telemedicine in Jordan. In this context, Jordan is pointed in the direction of becoming a knowledge-based economy and society. The success in the knowledge economy demands increasingly higher skill levels, especially greater facility with information and communications technologies. The information and communication technology is an integral part of the health information management part, though the use of information and communications technology is working to promote social and economic development of all members of society, especially in rural and remote areas. The use of a broadband network in Jordan helps the spread of medical information and communication technology on a large scale in the field of health care through electronic health projects working to improve telemedicine, the medical information system and patient satisfaction and gives personalized health care and coordination between public health care systems and other medical care centers in the world to find innovative solutions and options for the provision of services health in areas that suffer from lack of professionals in the healthcare sector. As a result, the need for a broadband fiber network was determined as a major requirement for the success of telemedicine in Jordan.

Keywords: Telemedicine, Cloud computing, Broadband network, Healthcare, eHealth and Information technology