

Employing the WiMAX technique in developing the decision-making process in the pre-university schools "A case study of Fayoum Governorate"

Abstract:

Decision making is the essence of the administrative process, specifically, at schools. it is a common factor with various tasks and functions of management within the school, Also, information is the milestone for taking any decision. Therefore, it is crucial to meet and provide the people in charge of the school administration process with a hi-tech network that continuously connect them with information resources inside or outside the school. Hence, the main research question is how to employ the WiMAX(Worldwide Interoperability for Microwave Access)technique in developing the decision making process in pre university schools in Fayoum Governorate. To answer this question, the current study aims to: determine the decision making process in educational institutions, identify the WiMAX technique and its applications in the process of decision making at schools, study the reality of the employment of the technology of information networks in the decision-making process in the schools of pre-university education in Fayoum Governorate, and finally to write a proposal for employing the WiMAX technique in developing the decision making process in the schools of pre-university education in Fayoum Governorate.

The researcher used the analytical descriptive approach as a questionnaire was prepared consisting (57) sentences distributed on three axes : the information technology equipment available in schools, the school management practices in the field of employing information technology in the industry, and decision making, the problems that prevent the school administration from using technology Information networks in industry and decision-making. The questionnaire was applied to a sample of (450) teachers in pre-university education in Fayoum selected randomly from the study population.

The Results yielded a suggested proposal through which there could be an extension of the WiMAX network to include the schools of each educational administrations in Fayoum Governorate, and, in addition, implementation of the WiMaX Technique in developing the decision making process in the pre-university schools in Fayoum Governorate.