The Algerian Experience in Developing Higher Education in the Country in Light of Modern Technology: Challenges and Prospects

Authors : Mohammed Messaoudi

Abstract : The higher education sector in Algeria has witnessed in recent years a remarkable transformation, as it witnessed the integration of institutions within the modern technological environment and harnessing all appropriate mechanisms to raise the level of education and the level of training. Observers and those interested that it is necessary for the Algerian university to enter this field, especially with the efforts that seek to employ modern technology in the sector and encourage investment in this field, in addition to the state's keenness to move towards building a path to benefit from modern technology, and to encourage energies in light of a reality that carries many Aspirations and challenges by achieving openness to the new digital environment and keeping pace with the ranks of international universities. Higher education is one of the engines of development for societies, as it is a vital field for the transfer of knowledge and scientific expertise, and the university is at the top of the comprehensive educational system for various disciplines in light of the achievement of a multi-dimensional educational system, and amid the integration of three basic axes that establish the sound educational process (teaching, research, relevant outputs efficiency), and according to a clear strategy that monitors the advancement of academic work, and works on developing its future directions to achieve development in this field. The Algerian University is considered one of the service institutions that seeks to find the optimal mechanisms to keep pace with the changes of the times, as it has become necessary for the university to enter the technological space and thus ensure the quality of education in it and achieve the required empowerment by dedicating a structure that matches the requirements of the challenges on which the sector is based, amid unremitting efforts to develop the capabilities. He sought to harness the mechanisms of communication and information technology and achieve transformation at the level of the higher education sector with what is called higher education technology. The conceptual framework of information and communication technology at the level of higher education institutions in Algeria is determined through the factors of organization, factors of higher education institutions, characteristics of the professor, characteristics of students, the outcomes of the educational process, and there is a relentless pursuit to achieve a positive interaction between these axes as they are basic components on which the success and achievement of higher education are based for his goals.

Keywords : Information and communication technology, Algerian university, scientific and cognitive development, challenges

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