



There is no doubt that artificial intelligence is no longer the preserve of a specific societal segment, it has become accessible to all and has effectively infiltrated many areas of our daily lives. Artificial intelligence, then, can be defined as the specific behaviors and characteristics of computer programs that make them mimic human mental capabilities and working patterns. One of the most important of these characteristics is the ability to learn, infer, and react to situations not programmed in the machine, yet this term remains dialectical due to the lack of a specific definition of intelligence. The UAE has become accustomed not to wait for the future, but to enter it from today, to compete in its technologies, anticipate its challenges and put solutions to it, and this explains the country's ongoing trend towards the technologies of the fourth generation of the industrial revolution, which is artificial intelligence, which specialists and academic experts in the universities of the country have confirmed is a language the future, which does not deviate from realizing its alphabet and eradicating illiteracy, is because health, education and services will depend on it, and it uses many vital sectors. However, they have taken into consideration a number of challenges that must be overcome in preparation for reaching the desired goals, most notably the development of specialized scientific competencies and local capabilities in the field of artificial intelligence, as well as training government employees through their participation in specialized courses in data science. In addition to creating a culture of artificial intelligence among society groups in order to facilitate the widespread use of applications that rely on these technologies, this requires concerted and synergy efforts between government, educational and media institutions to raise community awareness of the fundamentals of this field to create a digital citizen who is able to deal with such technologies, while emphasizing the importance of establishing research centers that contribute to developing the various sectors in the country and qualifying them to receive the imperatives of artificial intelligence, stressing at the same time that the UAE has an infrastructure that qualifies it to become a leader in this field, especially its applications in the education sector.

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