Role of CPS in Education 4.0

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Abstract   Technology had infiltrated the education process since the beginning of this millennium when both students and teachers started using technology in education in basic ways. This transformation in education was seen as the beginning of education 2.0. Sooner, with a widespread penetration of the Internet, Education 3.0 emerged, which took the education outside the classroom's boundaries. Students now had access to information and learn virtually, and had platforms to easily connect with faculty and other students. This encouraged developing a more personalized learning way where the student's independence and a unique approach to study were celebrated. We are now on the cusp of a new transformation to education, i.e., Education 4.0. Education 4.0 is the desired approach to learning that aligns itself with the emerging Industry 4.0. This industrial revolution focuses on the integration of Cyber-Physical Systems and Artificial Intelligence in the industrial processes. In this talk, I will discuss Education 4.0 and how the cyber-physical systems can achieve its goals? I particular, we will see how technologies like AI, AR, and VR will change the future of learning.