

Implication of E-Robot Kit in Kuwait's Robotics Technology Learning and Innovation

Authors : Murtaza Hassan Sheikh, Ahmed A. A. AlSaleh, Naser H. N. Jasem

Abstract : Kuwait has not yet made its mark in the world of technology and research. Therefore, advancements have been made to fill in this gap. Since Robotics covers a wide variety of fields and helps innovation, efforts have been made to promote its education. Despite of the efforts made in Kuwait, robotics education is still on hold. The paper discusses the issues and obstacles in the implementation of robotics education in Kuwait and how a robotics kit "E-Robot" is making an impact in the Kuwait's future education and innovation. Problems such as robotics competitions rather than education, complexity of robot programming and lack of organized open source platform are being addressed by the introduction of the E-Robot Kit in Kuwait. Due to its success since 2012 a total of 15 schools have accepted the Kit as a core subject, with 200 teaching it as an extracurricular activity.

Keywords : robotics education, Kuwait's education, e-robot kit, research and development, innovation and creativity

Conference Title : ICEISE 2016 : International Conference on Education and Instructional Systems Engineering

Conference Location : Kuala Lumpur, Malaysia

Conference Dates : August 18-19, 2016