

Droning the Pedagogy: Future Prospect of Teaching and Learning

Authors : Farha Sattar, Laurence Tamatea, Muhammad Nawaz

Abstract : Drones, the Unmanned Aerial Vehicles are playing an important role in real-world problem-solving. With the new advancements in technology, drones are becoming available, affordable and user- friendly. Use of drones in education is opening new trends in teaching and learning practices in an innovative and engaging way. Drones vary in types and sizes and possess various characteristics and capabilities which enhance their potential to be used in education from basic to advanced and challenging learning activities which are suitable for primary, middle and high school level. This research aims to provide an insight to explore different types of drones and their compatibility to be used in teaching different subjects at various levels. Research focuses on integrating the drone technology along with Australian curriculum content knowledge to reinforce the understanding of the fundamental concepts and helps to develop the critical thinking and reasoning in the learning process.

Keywords : critical thinking, drone technology, drone types, innovative learning

Conference Title : ICEIT 2017 : International Conference on Education and Information Technology

Conference Location : London, United Kingdom

Conference Dates : May 25-26, 2017