

Abstract for ICIET 2023

Fostering students' motivation for AI education

Artificial Intelligence (AI) is changing the world we live in and our ways of living. This has prompted education authorities in many countries to include AI education into K-16 learning. In response to the new K-16 curriculum, this talk reports three studies among elementary, secondary and university students' behavioral intention to learn AI. The studies indicate students' intention to learn AI could be predicted by factors such as using AI for social good, programming efficacy, learning resources, and their self-efficacy in learning. Knowledge about AI did not directly contribute to students' intention to learn about AI. The studies point to the need for motivational instructional design that fosters relevant predictive perceptions among students so that they can possess long term commitment to continuously learn AI.