



The Future
Reimagined

INTELLIGENT SYSTEM DEVELOPMENT (USING TENSORFLOW)

Shape the future that will shape us all!

The Academy of Computer Science and Software Engineering is offering a Short Learning Programme focused on the creation of intelligent systems using a multitude of modern techniques and technologies. This programme balances the practical implementation of such systems with a solid grounding in the fundamentals so that you will have a deeper knowledge of the deepest learning techniques.

Prerequisites: National Senior Certificate **and** 2 years industry experience in Information Technology (**or** suitable undergraduate degree in Information Technology or related fields), **and** suitable tertiary level mathematics modules covering vector algebra (**contact us** if you have any queries in this regard).

Price per module: R3500

Modules (modules are presented online in the evenings during 2020):

- **Module 1** (October 12 - 16): Programming Foundations for Intelligent Systems in Python and TensorFlow
- **Module 2** (October 26 - 30): Artificial Intelligence
- **Module 3** (November 9 - 13): Learning Algorithms I – Supervised Learning
- **Module 4** (November 23 - 27): Learning Algorithms II – Unsupervised and Reinforcement Learning

Contact: Prof Duncan Coulter (dcoulter@uj.ac.za)