UNIVERSITY OF JOHANNESBURG

INTELLIGENT SYSTEM DEVELOPMENT (USING TENSORFLOW)

The Future Reimagined

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 be 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 or equivalent (**contact us** if you have any queries in this regard).

Price per module: R3500

Modules (modules are presented online in the evenings during 2022):

- **Module 1** (July 18 – 22): Programming Foundations for Intelligent Systems in Python and TensorFlow
- **Module 2** (August 1 – 5): Artificial Intelligence
- **Module 3** (August 15 – 19): Learning Algorithms I – Supervised Learning
- **Module 4** (August 29 – September 2): Learning Algorithms II – Unsupervised and Reinforcement Learning

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