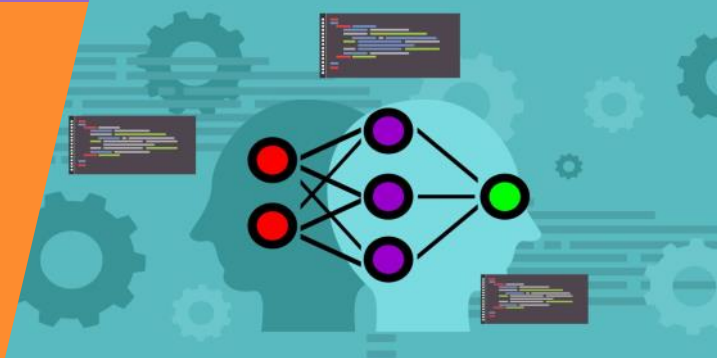


TECHNOLOGY & ENGINEERING SERIES

Deep-Learning Applications in Python and Keras



Deep learning is an exciting new technique from the research work done by the artificial intelligence community. In particular, image recognition techniques used by self-driving cars or language translation engines like Google Translate are all based on deep learning.

Python and the Keras package will be used to introduce you to the basics of neural networks and deep learning. The programme will focus on two specific areas where deep learning has shown its strengths – Convolution Neural Networks for image recognition and classification, and Recurrent Neural Networks (RNN) for text analysis.

DATE

Tuesday, 29 August 2017

DURATION

1 Day; 9.00am to 5.30pm

VENUE

NUS University Town Education
Centre (Level 2)
8 College Avenue West
Singapore 138608
ERC Seminar Room 2

FEE

S\$750.00 (before GST)

S\$802.50 (includes GST)

**REGISTRATION CLOSING ON
22 AUGUST 2017**

REGISTER NOW!

COURSE OUTLINE

- ◆ Deep learning models and their applications
- ◆ Introduction to Keras
- ◆ Data pre-processing and working with small sample sets
- ◆ Introduction to Convolutional Neural Networks (CNN), how CNN sees the world and babysitting the learning process
- ◆ Introduction to Recurrent Neural Networks (RNN) and how RNN learns from a sequence of text.

WHO SHOULD ATTEND

Software Engineers, Programmers

PRE-REQUISITES

Must be familiar with the Python programming language and statistics 101 at a pre-university level.



+65 6601 5910



scale.execed@nus.edu.sg



scale.nus.edu.sg

