WORKSHOP

INTRODUCTION TO PROGRAMMING, DATA VISUALIZATION AND MACHINE LEARNING WITH PYTHON

5, 12, 19, 26 June & 3 July 2021
or
24, 31 July & 7, 14, 21 August 2021
9.00am - 5:45pm

LEARN BASIC PROGRAMMING SKILLS

By the end of the course, participants will be able to write pseudo code, develop flow-charts and write Python programmes. The course also provides an overview of machine learning with an industrial perspective. The course prepares participants for advanced Python courses and provides basic skills for the workplace.
WHO SHOULD ATTEND?

- Beginners
- Programming enthusiasts
- Professionals who want to pursue a foundation course before embarking on in-depth programming modules or further studies

SPEAKERS PROFILES

Dr. Kanchi Lakshmi Kiran
Guest speaker

Dr Pavan Kumar Naraharisetti
Assistant Professor & Degree Programme Director, Newcastle University in Singapore

Pavan has nearly two decades of R&D experience in the public sector and the academia. He comes with a wide experience spanning practical, theoretical and computational aspects of the chemical process and allied industries. With years of experience in programming and computational mathematics, Pavan brings his practical skills to the classroom. In this workshop, he will inspire beginners in their quest to learn Python programming.

WORKSHOP TOPICS

- Introduction to programming
- Introduction to Python
- Conditional statements
- Loops
- Functions
- Data visualization
- Introduction to machine learning
- Industrial applications of machine learning
- Exercises / hands-on sessions

WHY SHOULD YOU ATTEND?

- Four days of programming lessons conducted by Newcastle University staff
- One day of machine learning classes conducted by an industry expert with experience in manufacturing, energy, healthcare and the chemical industry
- Learn with the right balance of theory, hands-on sessions and industry perspectives

Disclaimer:
This event is subject to prevailing safe-distancing measures. Newcastle University reserves the right to adjust schedules as required by law or other circumstances.

Newcastle Research & Innovation Institute Pte Ltd (NewRIIS)
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Singapore 609607

Fee: SGD1,200 (+ GST)