

**TECHNOLOGY & ENGINEERING SERIES**

# Data Analytics & Visualization for Managers



This programme provides an exploratory tour of big data, data analytics, data science, machine learning and artificial intelligence. It introduces the various tools and techniques used by data science teams today. A roadmap of how to build an internal data science competency in an organisation will be discussed. The programme provides exposure to building static and interactive graphics using Tableau and Python including a demonstration on the building of actual analytics models in Python.

## DATE

5 - 7 July 2017 (closed)

26 - 28 July 2017 (closed)

2 - 4 August 2017 (closed)

13 - 15 September

## DURATION

3 Days; 9.00am to 5.30pm daily

## VENUE

National University of Singapore

## FEE

S\$2,100 (before GST)

S\$2,247 (includes GST)

**REGISTER NOW!**

**Registration will close 5 working days prior to programme commencement date**

## COURSE OUTLINE

### Day 1

- ◆ Overview of Big Data, Data Analytics / Science, Machine Learning, and Artificial Intelligence
- ◆ The Data Analytics Process – real world case study
- ◆ Data Analytics Methods, Challenges and Applications

### Day 2

- ◆ Data Analytics Infrastructure and Tools
- ◆ Project Management Best Practices for Data Analytics
- ◆ Introduction to Artificial Intelligence and Deep Learning

### Day 3

- ◆ Introduction to Python and Jupyter Notebooks
- ◆ A Data Journey with Excel
- ◆ A Data Visualization Journey with Tableau
- ◆ A Data Science Journey with Python
- ◆ Case Study

## WHO SHOULD ATTEND

Project Managers, IT Managers, CXO

## PRE-REQUISITES

The participant should have an IT/software project development, architecture or management experience. Some programming experience and statistics at a pre-university level is required to participate in this programme. An understanding of common IT software, databases, programming tools and environments is preferred.



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