

This programme provides participants with the knowledge, skills and experience associated with Data Science. The participants will explore a range of tools, algorithms, Machine Learning and statistical techniques with the aim of discovering hidden insights and patterns from raw data in order to inform scientific business decision making. The programme covers key areas of Data Science like data analytics, Machine Learning and Artificial Intelligence.

### PROGRAMME CONTENT

- Introduction to Data Science terminologies, definitions, and concepts
- The evolution of Data Science
- Introduction to relevant mathematical and statistical analysis techniques, algorithms, programming, visualisation and cloud concepts
- Introduction to data structures, cleaning, accessing, filtering, analysing, using, communicating and managing data utilising cutting-edge software
- Introduction to Machine Learning, Artificial Intelligence, Robotics, and Blockchain
- Modern application of Data Science
- Digital Transformation strategy
- Critical success factors in the management of data science projects

There are two Data Science programme options; Introductory and Advanced

#### Introduction to Data Science

This programme is designed for leaders and managers who need to deepen their understanding of Data Science, and support Digital Transformation in order to create the organisation's strategic competitive advantage. This programme does not require technical Data Science skills.

**Duration:** Two days of contact learning or 16 hours of online learning delivered over a period of one month.

#### Advanced Data Science

This programme is designed for professionals involved in Data Science. The programme is also well suited for the youth, students and graduates who wish to pursue professional careers in Data Science, Computer Science, Software Engineering, Academic Research, Business Analysis and Machine Learning.

**Duration:** One month of contact learning or 60 hours of online learning delivered over a period of three months.

These programmes can be customised for specific client needs and sectors.

Successful participants will receive a Certificate in Data Science from Regenesys Institute of Management, based in India.