

**Telecoms & Tech
Academy**



On-Demand
Online

IOT DATA TRANSFORMATION

On-Demand Online Training Programme



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IOT DATA TRANSFORMATION

PROGRAMME SUMMARY

While huge data volumes are generated by connected devices, does your organisation make use of its full potential? IoT data is more valuable than ever but without analytic power, data generated by your IoT devices and solutions would offer limited added value and insights.

This course gives you the opportunity to explore the role of data analytics in IoT and find out what are the key steps to maximising the value of data generated from IoT devices. The expert course instructor will take you through the fundamental steps required to turn your organisation's IoT data into valuable information for the business.

Key questions should be answered by any organisation that is embracing and offering IoT solutions and products, prior to embarking into IoT data analytics projects, to ensure success and avoid common pain-points. What do you expect out of your IoT data? What does the data even represent? Does your organisation have a strategy?

This self-study on-demand course will provide a structured approach to truly transform your IoT data into actionable business information and create a long-term IoT data strategy.

LEARNING OUTCOMES

Key learning outcomes for the attendee:

- Learn how to unlock the business potential of IoT data
- Understand and overcome some of the early IoT data analytics challenges
- Learn how IoT data can be transformed into useful business management information
- Implement an IoT data strategy across the organisation
- Identify possible roadblocks on your path towards creating value from IoT data

Key learning outcomes for the organisation:

- The course offers a structured approach to exploiting the analytics potential of IoT data within an organisation
- Reduce the time it takes to realise its full analytics potential and streamline the process
- Upskill teams to transform IoT data into meaningful information for the business
- Teams will have the ability to build an IoT data strategy embracing analytics and visualisation tools

WHO IS IT FOR?

This course is designed for mid-management professional and is relevant to; Developers, Data Scientists, Marketing specialists, Security professionals, System Engineers, Operation teams, Compliance teams, Regulatory teams

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PROGRAMME MODULES

Module 1

Understanding your data

- What does the data represent?
- What is it for?
- Real world events vs system process monitoring

Module 2

Creating an IoT data strategy

- What needs to be monitored?
- Data collection frequency
- New vs Existing Data Sets
- Reporting frequency
- Data retention requirements

Module 3

Analytics Environment

- Data collection
- Potential On-device analytics
- Frequency of Analytics (streaming vs periodic)

Module 4

Transforming Data into Insights

- Baseline monitoring
- Composite data structures (inference)
- Transforming Data into Insights

Module 5

Transforming Data into Insights

- Structuring data for analytics
- The role of machine learning in IOT analytics

Module 6

Visualising Data

- Reporting types
- Complexity issues in visualization
- Multiple interpretation problem in big data



ONLINE COURSES

On-Demand Self Study Learning Programmes

The Telecoms & Tech Academy online offers interactive and engaging self-study programmes designed to maximise learning. All our programmes are designed for Professionals with busy schedules, travel restrictions or limited training budgets.

Our online programmes bring professionals together, giving you the opportunity to share ideas and questions via the discussion forum creating your own professional community. From the course start date, our on-demand features and content are available as and when you need them, allowing for greater flexibility to your professional development and learning.

Why Choose an Online Course?



100% ONLINE

Course content is totally digital, accessed through your desktop, laptop or mobile.



INTERACTIVE

Cost effective training that saves on travel expenses and time.



ENGAGING

Bitesize videos, articles, exercises, quizzes and digital activities.



SELF-PACED

All sessions are recorded so you can review the material anytime.



BESPOKE TRAINING SOLUTIONS

Flexible and cost-effective way to upskill teams and develop key competencies across your business

Telecoms & Tech Academy is the leading training partner to the TMT industry, having trained more than 30,000 professionals and 500 businesses globally. We were borne out of the telecoms industry and understand the challenges the sector has been facing.

Our training portfolio continues to evolve to help address new and emerging skills gaps telecoms & tech businesses are facing. To provide you with leading-edge knowledge, our learning is influenced by our partners including Omdia. Whether you'd like to utilise our existing programmes or create a completely customised solution, we've got you covered.

Flexible delivery methods



FACE-TO-FACE:

We'll hand pick a leading practitioner to create and deliver a technical or commercially focussed programme, at your location – wherever that may be globally



DIGITAL:

We develop specialised online learning programmes using our virtual learning platform so your teams can learn anytime, anywhere – both on-demand or through online live classes



BLENDED:

A mix of online and face-to-face - your business taps into our leading online learning experience and gets valuable face-time with leading practitioners

"The trainer was very experienced. The Material that was provided was great and we recieved some excellent recommendation on how to handle specific situations." MTN, South Africa

Why choose the Telecoms & Tech Academy?

The Telecoms & Tech Academy have a track record of delivering cutting edge training programmes, helping to deliver growth and success to businesses. With over 20+ years experience and a team of expert researchers, we are able to customise and deliver the most up to date knowledge and skills.

Don't just take it from us, take a look at what our clients say...

“ *The trainer was very experienced. The Material that was provided was great and we recieved some excellent recommendation on how to handle specific situations.* - **MTN**, South Africa ”

“ *Very recommendable course. They provided the expected knowledge with good organisation and continuted learning after graduating.* - **Huawei**, China ”

