

# Information theory for IT practitioners

Course code: Q4IT\_ITFP

Overview of key components underpinning work in IT in knowledge era

## Who is the course for

Innovation focused CIO, CTO, IT governance lead, chief Innovation director, team leader

## What we teach you

The course is providing selection of key parts of information theory and collaboration network concepts relevant for IT management.

## Required skills

no, recommended understanding of Digital capabilities management model logic

## Course outline

Understanding between industrial era approach to IT management and recent development in information theories (for example cost of information) and its implication to IT management modernization.

SFIA skills: METL – Methods and tools, ORDI – Organization design and development

- Main attributes of industrial methods from IT management logic
- Selected parts of information theory relevant to knowledge era
- Cost of information, measurement and quality of information
- Rational inattention
- Collaboration networks
- Main characteristics of knowledge work from information theory perspective
- Decision making, probabilistic management, uncertainty of outcomes
- Practical examples and implications to IT management innovation
- Certification exam Information theory for IT practitioners

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