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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