D.QUARKS INNOVATIVE TECHNOLOGIST

This program is designed for (future) IT leaders that aim to create the technological foundations and a new agile IT for the rapid implementation and operations of digital business models. In the digital world, IT or the CIO function must reposition itself, take on new roles and build up new skills. As a classic infrastructure supplier, it will increasingly develop into the role of innovator and business enabler. This must be planned and iteratively implemented with agile methods. The new role of IT also requires new technical structures. In particular, the constantly increasing speed of change in business can only be supported technically by agile, adaptive architectures. The constantly increasing speed of change has not only technical, but also process-related and organisational implications for IT. User centricity and agility are particularly important.

A program taught by expert practitioners and based on the award winning best practice digital transformation framework of d.quarks, this program is ideal for anyone looking to make real digital change! It is offered in **two formats: In-person intensive course** over 2 weeks, or as an **online, workplace-compatible** format in 4 months.

OVERVIEW

Topics covered are the design and implementation of digital and agile IT operating models and best practice approaches for designing and implementing the new role of IT as innovator and business enabler.

We dive into methods of derivation of IT architectures from digital business models using modern and disruptive technologies. Introduction and sustainable scalable implementation of agile methods in IT transformation and management of new skill requirements and cultural change in IT is covered. The learning format of the course is very interactive and is a mix of impulse lectures with practical examples to impart knowledge, group discussion, work in smaller groups and work on practical case studies.

The focus is on a balanced ratio of knowledge transfer and consolidation through practical application and mutual exchange. By applying the contents in a real project situation, the transfer of the acquired knowledge to one's own practical work is achieved. The program is completed with a certificate from Goethe Business School.

CURRICULUM

The training takes place over three modules combined with project work and is available in two formats – fully online, or as an intensive course.

In addition to **three core modules**, participants complete on **online preparation module** before the start of the program, and work on a **final project case** which will be presented at a **colloquium** some weeks after the final module. The learning content is applied over a longer period of time in a previously determined project context that is executed in the practical environment of the student's own organization. During project work, participants will have the opportunity to receive 2 hours of remote coaching.

The presentation of a short project report is required in order to achieve the certificate awarded by Goethe Business School for completion of the program.

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CURRICULUM AT A GLANCE

MODULE 1: CHANGING THE POSITIONING OF IT   2 DAYS SEMINAR

LEARNING OBJECTIVES:

- **Understanding the future requirements for IT professionals and the IT organization**
- **Learning and applying models and methods for the design and implementation of a new digital operating model**
- **Ability to define and implement an agile change plan**

We look at how digitalization and in particular digital business models are changing the demands on IT, what new possible roles and competencies are emerging for the IT department as a result and what new capabilities need to be built. We develop an understanding of the organizational impact on IT and the collaborative integration with other units in the company and teach the participants how to derive a concrete, new digital operating model for their IT department, identify the need for change and plan and execute the implementation.

MODULE 2: DESIGNING DIGITAL IT ARCHITECTURES   2 DAYS SEMINAR

LEARNING OBJECTIVES:

- **Understanding the (new) requirements for IT architectures**
- **Learning of reference models and methods for deriving architectures from changed business models**
- **Ability to define and implement an agile implementation plan**

We look at the effects of digitalization on IT architectures and the corresponding need for change. The participants learn how architectures can be derived from changed and new digital business models and which methods, design principles and reference models are available. The focus is on concrete application through practical exercises. We provide an overview of innovative technologies and enable the participants to place them in the architectural context with regard to their influence on digital business models.

MODULE 3: INTRODUCING AGILE WORKING METHODS IN IT   2 DAYS SEMINAR

LEARNING OBJECTIVES:

- **Understanding the new requirements of the IT process landscape**
- **Learning and applying agile and user-centered methods**
- **Understanding cultural challenges and how to meet them**
- **Ability to plan and implement agile methods**

We look at the need for change in the IT process landscape driven by digitalization. The participants will learn agile and user-centered methods including the meaningful areas of application and apply them practically. A special focus is placed on the scaling of these methods in the IT organization and the cultural implications.

KEY FACTS

COURSE DATES
Summer intensive course: 1./2./3.7.2021 and 8./9./10.7.2021; final colloquium 28.08.2021
Online course:14./15.10.2021; 11./12.11.2021 and 16.17.12.2021; final colloquium 18.02.2022

COURSE MATERIALS
Course materials including case studies, lecture slides, etc. will be made available in electronic form.

LANGUAGE
English

PROGRAM FEE*
Regular: 3.900€
GBS Alumni Discount: 3.120€ (20% discount!)

VENUE
online & on-campus

CERTIFICATE OF PARTICIPATION
Participants will recieve a certificate of program completion awarded by GBS Executive Education upon completion of the program.

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