A4.Lead2 - Software Engineering Foundations for Leaders

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1. Keyfacts

Duration	2 days
Language	English or German
Setting	on-site or remote

2. Target Group

Leaders (Project and Line Managers) that are responsible for development of Software-intensive systems

3. Training Goals

The ultimate goal of this training is to help leaders responsible for software-intensive products to better understand the particular challenges of software and software engineering and to learn how to shape and lead winning teams.

#1 - Understand the Subject
Participants gain an overview of the particular challenges introduced by Software and Software Engineering.

#2 - Understand the Task
Participants gain an understanding of the fundamental steps of Software Engineering to identify potential blind-spot in their teams and get ideas on how to improve.

#3 - Understand your influence
Participants understand their role and contribution in the field of Software Engineering.

3. Training Content

Introduction
- What makes Software special? (yes, it is!)

Requirements Engineering
- Understanding Requirements Engineering as engineering discipline
- Fundamental concepts and methods of Requirements Engineering

Quality, Dependability and Quality Assurance
- Quality Characteristics in Software
- Constructive, Analytic, and Organizational Quality Assurance
- The future of Quality Assurance: "Shift Left"

Architecture Development
- Architecture, Architecture Description and Architecture Development
- Architectural Drivers as basis for sustainable architectures
- Architecture Development and the role of Architects
- How to achieve good architecture
- The consequences of Technical Debt for future Products

Design & Development

- Challenges encountered by interdisciplinary development
- How to deal with these challengs
- Modern Development Logics and their influence on organizations

Integration, Verification, and Validation (IVV)
- Continuous X and it's influence to organizations
- The incresing importance of integration in the future

The Role of Organizations, Leaders, and Experts
- How to lead Software…?

4. Learning Methods and Didactics

- Theory Inputs combined with discussions and reflections
- Awareness Exercises
- Examples

5. Your Benefit

Especially in the development of software-intensive Systems, it is not possible for leaders to know everything; they all have their individual background. With a non-software background, leaders are often challenged by understanding the particular aspects of Software leading to issues.
In this training, you have the chance to gain a fundamental understanding on Software and Software Engineering and to learn, how you can shape and lead winning teams for successful and sustainable Software Engineering!

6. Your Trainer

FH-Prof. Dr. Christian Neureiter
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Christian is Professor at the School of Information Technology and Digitalisation at Salzburg University of Applied Sciences. As head of the "Center for Dependable Systems Engineering" he is an expert in this field and has profound knowledge on the matter.

Asides his academic role, Christian has 10+ years of experience as consultant and trainer at the Successfactory Consulting group with a particular focus on Leadership, Software, and Systems Engineering related topics.

For more information on scheduled trainings or the organisation of a closed group contact us:

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