IT Project Management

Course Description

In this course, typical problems in the management of software projects are discussed, and the methods and techniques used to address challenges are conveyed. In addition, standard procedural models for IT project management are explained and their strengths and weaknesses specifically identified.

Contents

1. Basics Terms and Foundations of IT Project Management
   1. Definition of a Project and Types of IT Projects
   2. IT Project Lifecycle
   3. Multi-Project Management – The Project in the Context of the Organization
2. Planning Techniques
   1. Large-Scale Planning: Milestones, Sub-Tasks, and Work Packages
   2. Large-Scale Planning: Gantt Charts
   3. Planning and Organization of Work Packages: Kanban Board
3. Prioritization, Estimation of Costs, and Project Controlling
   1. Prioritization
   2. Estimation of Costs
   3. Project Controlling
4. Stakeholder-, Communication-, and Risk Management
   1. Stakeholder Management
   2. Communication Management
   3. Risk Management
5. Organization and Structure in IT Project Management
   1. Overview and Levels of Management in PRINCE2
   2. Management Processes in PRINCE2
   3. Pragmatic IT Project Management (PITPM)
   4. Configuration of an IT Project in PITPM
   5. Management of a Project in PITPM
6. Schools of Thought in IT Project Management
   1. Agile Software Development
   2. Value-Based Software Engineering