

AI-Powered Project Management Training

Description

Artificial intelligence technologies make significant contributions to managing project processes more efficiently, quickly, and in a data-driven manner. The use of AI-powered tools in processes such as project initiation, planning, resource management, risk analysis, stakeholder communication, progress tracking, and decision-making helps reduce project managers' operational workload while supporting more effective decision-making.

This training aims to help participants learn how to use artificial intelligence technologies at different stages of project management and manage project processes more effectively by leveraging these technologies. Throughout the training, fundamental project management processes will be addressed through AI-powered applications and real-world business scenarios.

Objectives

The objective of this training is to introduce participants to the role and applications of artificial intelligence technologies in project management and equip them with the knowledge and skills necessary to manage project processes more efficiently.

The training aims to enable participants to:

- Understand the applications of artificial intelligence technologies in project management
- Leverage artificial intelligence in project initiation, planning, and scope management processes
- Perform AI-powered analyses in time, cost, and resource planning
- Use artificial intelligence tools in risk and issue management
- Improve the efficiency of stakeholder communication, reporting, and project tracking processes
- Benefit from artificial intelligence applications in agile project management processes
- Use artificial intelligence effectively as a decision-support tool in decision-making and problem-solving processes

Outline

1. Project Initiation and Business Case Development

- Developing the project idea and problem definition
- Preparing the business case, project objectives, and expected benefits
- Creating the project charter and success criteria
- Identifying stakeholders and conducting stakeholder analysis

2. Project Planning and Scope Management

- Defining project scope and requirements
- Creating a Work Breakdown Structure (WBS)
- Identifying activity lists, dependencies, and milestones
- Preparing draft project schedules and resource plans

3. Time, Cost, and Resource Management

- Estimating activity durations
- Developing budget items and cost estimates
- Analyzing resource requirements and capacity constraints
- Comparing different planning scenarios

4. Risk and Issue Management

- Identifying risks and creating risk registers
- Assessing risks in terms of probability and impact
- Developing risk responses and mitigation actions
- Examining relationships among risks, assumptions, dependencies, and issues

5. Stakeholder, Communication, and Team Management

- Preparing communication plans tailored to stakeholders
- Creating meeting agendas, meeting minutes, and action lists
- Preparing management reports and status updates
- Conflict management, team communication, and decision-support scenarios

6. Project Monitoring, Control, and Reporting

- Comparing actual progress against planned performance
- Analyzing schedule, cost, and scope variances
- Preparing management reports and dashboards
- Evaluating potential causes of delays and corrective actions

7. Artificial Intelligence in Agile Project Management

- Preparing Product Backlogs and user stories
- Developing acceptance criteria and Definition of Done drafts
- Supporting backlog prioritization and sprint planning
- Analyzing retrospective outcomes and developing continuous improvement recommendations

8. AI-Powered Decision-Making for Project Managers

- Comparing alternatives and scenarios
- Preparing decision matrices and evaluation criteria
- Root cause analysis and problem-solving
- Evaluating assumptions, uncertainties, and potential biases