

Agile IT Project Management: Mastering Scrum Framework & Agile Practices

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Course Overview

Agile and Scrum have revolutionized the way IT projects are managed by focusing on flexibility, collaboration, and delivering incremental value. These methodologies empower teams to respond to change efficiently, prioritize customer satisfaction, and foster continuous improvement.

This 1-week training program equips participants with a comprehensive understanding of Agile principles and Scrum practices. Through a combination of theoretical knowledge, practical exercises, and real-world case studies, participants will gain the skills needed to manage IT projects effectively using Agile and Scrum.

Target Audience

- IT project managers and team leads.
- Software developers and engineers.
- Scrum masters and Agile coaches.
- Business analysts and product owners.
- IT professionals transitioning to Agile methodologies.
- Executives and stakeholders involved in IT project oversight.

Targeted Organizational Departments

- IT & Software Development
- Project Management Office PMO
- Business Analysis & Product Management
- Quality Assurance QA
- Executive Leadership & Strategy

Targeted Industries

- Software Development & IT Services
- Financial Services & Fintech
- Healthcare & Pharmaceuticals
- Telecommunications & Engineering
- Retail & E-commerce

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Course Offerings

By the end of this course, participants will be able to:

- Master scrum roles, responsibilities, and artefacts product backlog, sprint backlog, increments
- Develop agile sprint planning and execution skills using Jira and Trello
- Learn agile estimation techniques planning poker, story points, T-shirt sizing
- Utilize Kanban boards and burndown charts for agile project tracking
- Understand agile stakeholder management and scope change handling
- Apply scrum daily stand-up best practices for effective team collaboration
- Scale agile methodologies with SAFe, LeSS, and other frameworks
- Implement real-world agile project simulations for practical application

Training Methodology

- **Interactive Lectures:** To provide foundational knowledge and context.
- **Workshops and Exercises:** For hands-on practice of Agile and Scrum techniques.
- **Case Studies:** Real-world applications to reinforce learning.
- **Group Discussions:** To share experiences and address challenges.

Course Toolbox

Participants will gain access to:

- Comprehensive course ebooks and agile methodology guides
- Agile and scrum templates for sprint planning and backlog management
- Case study documents featuring real-world agile project scenarios
- Insights into agile tracking tools Jira, Trello for hands-on practice

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Course Agenda

Day 1: Introduction to Agile Project Management

- **Topic 1:** Overview of Agile methodologies and their history
- **Topic 2:** Core values and principles of the Agile Manifesto
- **Topic 3:** Agile vs traditional project management approaches
- **Topic 4:** Benefits and challenges of implementing Agile in IT projects
- **Topic 5:** Identifying Agile principles in real-world scenarios
- **Topic 6:** Agile project management best practices for IT professionals
- **Reflection & Review:** Discuss key takeaways from Agile fundamentals and its impact on IT projects

Day 2: Understanding Scrum Framework & Agile Roles

- **Topic 1:** Key roles in Scrum: Scrum Master, Product Owner, and Development Team
- **Topic 2:** Scrum artifacts: Product Backlog, Sprint Backlog, and Increment
- **Topic 3:** Scrum events: Sprint Planning, Daily Scrum, Sprint Review, and Retrospective
- **Topic 4:** Agile team collaboration techniques for IT projects
- **Topic 5:** Designing a Product Backlog and Sprint Backlog for an IT project
- **Topic 6:** Agile stakeholder management and handling project expectations
- **Reflection & Review:** Insights on how Scrum roles and collaboration impact IT project success

Day 3: Agile Planning, Estimation & Execution

- **Topic 1:** Agile approaches to IT project planning
- **Topic 2:** Agile estimation techniques: Story Points, Planning Poker, and T-Shirt Sizing
- **Topic 3:** Sprint planning and execution best practices
- **Topic 4:** IT project tracking with Burndown Charts and Kanban Boards
- **Topic 5:** Managing scope changes and Agile project adaptation
- **Topic 6:** Case study: Developing an Agile project plan and execution strategy
- **Reflection & Review:** Evaluating project planning and estimation techniques

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Day 4: Agile Project Tracking, Tools & Scaling

- **Topic 1:** Tracking progress in Agile projects using Jira and Trello
- **Topic 2:** Advanced Scrum practices for IT teams and organizations
- **Topic 3:** Scaling Agile for large teams and enterprises SAFe, LeSS
- **Topic 4:** Sprint review and retrospective methods for continuous improvement
- **Topic 5:** Overcoming Agile and Scrum implementation challenges in IT organizations
- **Topic 6:** Best practices for Agile project management case studies
- **Reflection & Review:** Discussion on the role of Agile tools and methodologies in large-scale IT projects

Day 5: Agile Project Simulation & Continuous Improvement

- **Topic 1:** Full-scale Agile IT project simulation
- **Topic 2:** Strategies for continuous improvement in Agile projects
- **Topic 3:** Agile leadership training for IT project managers
- **Topic 4:** Common pitfalls in Agile IT project execution and solutions
- **Topic 5:** Certification preparation and next steps for Agile career growth
- **Topic 6:** Agile mindset transformation and fostering innovation in IT teams
- **Reflection & Review:** Course wrap-up, final Q&A, and discussion on applying Agile skills in real-world projects

FAQ

What specific qualifications or prerequisites are needed for participants before enrolling in the course?

No prior certification is required, but a basic understanding of IT project management is beneficial. This course is ideal for professionals transitioning to agile methodologies or seeking scrum certification.

How long is each day's session, and is there a total number of hours required for the entire course?

Each session lasts approximately 4-5 hours, including lectures, hands-on exercises, and discussions. The total course duration is 1 week 20-25 hours of instruction.

What are the key challenges when implementing agile in IT organizations?

Common challenges include resistance to change, improper agile adoption, and difficulties scaling agile methodologies. This course covers best practices for overcoming these challenges.

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How This Course is Different from Other Agile IT Project Management Courses

The Agile IT Project Management course offers a hands-on, IT-focused approach to mastering the Scrum framework and Agile practices. Unlike traditional courses, it emphasizes practical experience through interactive simulations, workshops, and case studies. Participants will learn and apply key skills in Sprint planning, backlog creation, and daily stand-ups in simulated IT environments.

The course also covers essential Agile tools such as Jira and Trello, including tracking methods, Kanban boards, and estimation techniques like Planning Poker. Furthermore, it addresses scaling frameworks like SAFe and LeSS, equipping professionals to manage Agile projects in larger organizations.

By the end, participants will have practical skills and knowledge in Agile methodologies, making them more competitive in IT project management. This course is ideal for Scrum Masters, Agile Coaches, IT Project Managers, and development teams seeking to enhance their Agile capabilities.

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- Communication and Public Relations Training Courses
- Crisis Management and Business Continuity Training Courses
- Data Analytics Training and Data Science Courses
- Digital Government & Public Service Training Courses
- Education and Learning Development Training Courses
- Environment & Sustainability Training Courses
- Facilities and Real Estate Training Courses
- Finance and Accounting Training Courses
- Governance, Risk and Compliance Training Courses
- Healthcare Management Training Courses
- Heritage Conservation and Museum Management Training Courses
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- IT Security Training & IT Training Courses
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- Legal Training, Procurement and Contracting Courses
- Maintenance Training and Engineering Training Courses
- Marketing, Customer Relations, and Sales Courses
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- Personal & Self-Development Training Courses

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Training Course Categories

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