MERCURY

Research Project Management Training Course

14 – 18 June 2027
Cape Town (South Africa)



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Ref: 15306_1063067 **Date:** 14 – 18 June 2027 **Location:** Cape Town (South Africa) **Fees:** 5300 Euro

Introduction:

This course provides hands-on training on Project Management, with a focus on research project management. Participants will gain an introduction to project and program management and an in-depth understanding of project planning, control, and scheduling concepts. It emphasizes research project management tools and offers practical working models for creating and tracking research projects from inception to completion.

This research project management course covers project management's basic tenets and the methodology employed in effectively executing research projects. From defining research project management plans to employing various research project management skills, the course is set to refine participants' ability to oversee complex research endeavors.

We will extensively explore the functionalities of MS Project software, which is pivotal in ensuring that your research project is executed as planned and objectives are achieved. The project is completed according to the predetermined specifications, on time and within budget.

What is Research Project Management?

Before discussing the practical aspects, it is crucial to define research project management. This course teaches participants the basic principles and frameworks for effectively managing research projects. This foundation sets the stage for applying systematic approaches throughout the research project lifecycle.

Target Groups:

- Project Managers.
- Project Schedulers.
- Project Controllers.
- Researchers.

Course Objectives:

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

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- Understand the fundamentals of research project management methodologies.
- Develop skills in planning, scheduling, and budgeting for research projects.
- Learn effective communication strategies for project stakeholders.
- Master risk assessment and mitigation techniques specific to research endeavors.
- Explore tools and technologies for enhancing research project efficiency.
- Gain insights into ethical considerations and regulatory compliance in research.
- Acquire leadership and team management skills tailored to research teams.
- Foster a culture of innovation and continuous improvement in research practices.

Training Methodology:

This research project management training uses various teaching techniques, including lectures supported by audio-visual presentations and interactive sessions. Participant engagement is fostered through assignments, role-playing activities, and the discussion of case studies, which provide insights into the real-world application of research project management operations. Moreover, trainees are encouraged to share their workplace experiences, which the trainer analyzes in detail, thus facilitating an immersive experiential learning environment.

Targeted Competencies:

Upon the end of this research project management training, participants will be able to:

- Project Management Skills.
- Research Project Methodology.
- Proficiency in Understanding and Using MS Project Applications.

Course Content:

Unit 1: Understanding the Essentials:

- Project life cycles and knowledge management in research.
- Process groups and phases of a research project.
- Project initiation and knowledge needs for research.
- Understand project planning and knowledge management for research.
- Project execution and knowledge needs for managing research.
- Monitor and control processes and the related knowledge needs in research projects.
- Project closing processes and knowledge management in research settings.

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Unit 2: Analyzation:

- Schedule research projects using the Critical Path Method CPM.
- Analyze research project efficiency with SPI/CPI.
- Estimate completion of research projects using SPI/CPI.
- Performance factors methods tailored to research projects.
- WBS and Work Packages specific to research.
- Utilize Gantt Charts and PERT in research project management.
- Establish research project baselines.

Unit 3: Project Management Skills in Research:

- Ensure robust execution management and control for research projects.
- Track and monitor progress in research projects.
- Establish effective measures for research project progress.
- Recognize measurement pitfalls in research operations.
- Employ progress control charts - trend analysis in research.
- Project variance analysis and quantification for research projects.
- Master earned value analysis in the context of research.

Unit 4: Operational Planning in Research Management:

- Structuring a comprehensive research project management plan.
- Types of studies in clinical research and their implications for project management:
    - Part I: Observational Studies.
    - Part II: Interventional Studies.

Unit 5: Ethics and Market Research Project Management:

- Uphold ethical standards in medical research.
- Conduct thorough literature reviews, tracking the best evidence, and performing literature searches.
- Articulating research findings through scientific paper writing is crucial in market research project management.