



Engineering Project Management

Mastering the Delivery of Engineering Projects

29-31 October 2025

**Radisson Blu Gautrain Hotel
Sandton**

R 7,999 Per Delegate

Engineering Project Management

Mastering the Delivery of Engineering Projects

Course Schedule

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Sandton

Why Choose this Training Course?

Effective project management is an essential process in the successful delivery of any project. However, in Engineering Projects this is even more critical, as Engineering Projects are typically larger, and more complex than most other types of project. The consequences of a failed Engineering Project can be severe, ranging from health and impacts, to environmental damage and extreme financial penalties.

It is therefore of vital importance that Engineering Projects are managed as effectively and efficiently as possible. Without this, most Engineering Projects will, at best, suffer from delays and cost over-runs but, at worst, may result in human fatalities, environmental damage, and severe financial loss.

This training course is designed to coach Project Managers and Project Team Leaders in the fundamentals of Engineering Project Management, with the aim of providing them with the knowledge and skills to successfully deliver Engineering Projects of any size or complexity.

The training course will feature:

- Understanding the fundamentals of Engineering Project Management
- Key Project Management skills needed to maximise project performance
- Planning, organising, implementing, and controlling Engineering Projects
- Managing Engineering Project risks
- Engineering Project scheduling and progress measurement techniques

What are the Goals?

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

- Apply a professional, systematic approach to managing Engineering Projects
- Define project scope, establish realistic objectives, and accurately specify project deliverables
- Produce realistic project plans and identify the schedule critical path.
- Effectively manage project risks
- Establish essential project control methods and procedures
- Understand how to apply proven project estimating and progress measurement techniques

Who is this Training Course for?

The training course is tailored for all personnel who are exposed to, involved in, or responsible for, the successful delivery of Engineering Projects of all sizes and complexity levels.

This course is suitable to a wide range of professionals but will greatly benefit:

- Project Directors
- Asset Managers
- Project Managers
- Project Planners
- Cost Estimators
- Quality Assurance Managers
- Contract Managers
- Procurement Managers
- Project Engineers
- Discipline Engineers
- Technical Assistants

How will this Training Course be Presented?

This training course will utilise a variety of proven adult learning techniques to ensure maximum understanding and retention of the information presented. This includes holding group discussions and exercises that will enable delegates to share their own experiences and apply the course concepts.

Hands-on exercises and case studies will provide an opportunity to practice the use of the models, techniques and competencies covered. Personal assessment, reflection and action planning will ensure that delegates know how to put what they have learned into practice.



The Course Content



DAY ONE: ENGINEERING PROJECT FUNDAMENTALS

- Understanding Key Project Terms & Definitions
- The Engineering Project Life-Cycle
- Engineering Project Complexity Factors
- Key Financial Concepts
- Understanding Project Environment & Context
- Defining Engineering Project Scope

: PERFORMANCE & PROGRESS MEASUREMENT

- Measuring Projects for Success
- Project Management Success Factors
- Financial Performance Measurement
- Key Performance Indicators
- Measuring Progress at Deliverable Level
- Predictive Project Forecasting

ENGINEERING PROJECT PLANNING & ORGANISING

- Identifying Objectives & Prioritising Goals
- Engineering Project Planning Methods
- Developing Work & Cost Breakdown Structures
- Project Management Roles & Responsibilities
- Project Estimating Techniques
- Project Scheduling Methods

DAY THREE: ENGINEERING PROJECT LEADERSHIP

- Project Interface Management
- Team Building & The Team Development Cycle
- Managing Stakeholder Expectations
- Running Effective Project Meetings
- Improving Communication, Delegation, and Motivation Skills
- Successfully Closing Engineering Projects

DAY TWO: IMPLEMENTING & CONTROLLING ENGINEERING PROJECTS

- Project Resource Management
- Developing Project Control Systems
- Engineering Document Reviews & Control
- Applying Formal Management of Change
- The Project Risk Management Process
- Project Monitoring & Reporting Methods

The Certificate

Luthando Certificate of Completion for delegates who attend and complete the course