

Engineering and Instrumentation Course Details

Department: Land, Agriculture and Food Sciences

Presented by Magna Skills Development Institute

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CORPORATE TRAINING
Agency

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Course Summary

This course offers engineers and technical staff who are making the transition to managerial and supervisory positions an excellent opportunity to understand the differences in mindset between technical and functional thinking. Such transitions are not always successful and many engineers end up leaving their posts or the company altogether because they cannot cope with the new job requirements. This course gives engineers and technical teams the opportunity to make a successful transition from their technical comfort zone to an area that is quite different on many fronts.

Course Objectives

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

- Develop insight into the functions of management
- Apply project planning skills from a business perspective
- Identify and use the right performance Indicators (KPIs) to manage business performance
- Communicate and work with others to achieve the desired goals
- Acquire team building techniques to enhance business performance
- Employ unbiased problem solving and decision making practices

Course Outline

- The journey from technical to managerial
 - Engineers versus management
 - Typical issues faced by engineers when they become managers
 - The fundamental shift in roles
 - Managing the transition
 - Understanding the different functions of management
 - Productivity - A management perspective
 - Essential skills for engineers
 - Technical
 - Managerial
 - Leadership
 - Management mistakes engineers need to avoid
- Planning and organizing tools and techniques
 - At a personal level

- At a project management level
 - Fundamentals of project management - A quick review?
 - Scheduling and organizing
 - Workforce planning
 - Leading projects successfully
- At an organizational level
- Managing performance
 - Engineers and business performance management
 - Setting performance expectations
 - Working with key performance indicators (KPIs)
 - Developing 'SMART' business objectives
 - Business targets and performance standards
 - Management and motivation
- Working with others
 - Engineers as business influencers
 - Barriers to communication
 - Developing effective communication
 - Managing conflicts
- Building successful teams
 - Teams and teamwork
 - Engineers as team leaders
 - Understanding group dynamics
 - Building high performance teams
 - Stages of team formation
- Problem analysis and decision making
 - Engineers as business decision makers
 - Kepner Tregoe approach to problem solving
 - Situation appraisal
 - Problem analysis
 - Decision analysis
 - Potential problem analysis

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Company Overview

Who We Are: Magna Skills is a premier training and capacity-building organization specializing in professional development for government institutions, NGOs, and the private sector.

Our Mission: To provide world-class training solutions that equip professionals with the expertise needed to excel in their careers and contribute meaningfully to their organizations.

Our Vision: To be the leading provider of professional training and development across Africa, fostering excellence, innovation, and capacity-building in public and private sectors.

Core Values

- **Excellence** – Delivering high-quality training tailored to meet the evolving needs of professionals.
- **Integrity** – Upholding the highest ethical standards in all our engagements.
- **Innovation** – Embracing new technologies and methodologies to enhance learning experiences.
- **Customer-Centric Approach** – Ensuring client satisfaction by providing relevant, practical, and impactful training.
- **Collaboration** – Partnering with industry experts and institutions to provide the best learning opportunities.

Our Training Methodology

We use a blended learning approach that includes instructor-led training, case studies, workshops, and post-training support.

Why Choose Magna Skills?

- Experienced Trainers
- Customized Training Solutions
- Interactive Learning

- Global Recognition
- Proven Track Record

Request for Training Form

Complete the form and share with Magna Skills Support Team on email info@magnaskills.com or Send Whatsapp on: +27630079022

Approval & Authorization	
Applicant Details	Course Details
First Name:	Course Name:
Last Name:	Training Venue:
Mobile:	Month:
Email:	Training Method: Online[____] Face to Face [____]
Company Name:	Duration:
Country:	Number of Staff Members:

By signing this agreement, both parties confirm their commitment to the terms outlined in this proposal.