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COURSE BROCHURE

Mini MBA in Maintenance Management and Technology Training Course

24 – 28 May 2027
Dar es Salaam

Mini MBA in Maintenance Management and Technology Training Course

Ref: 1679_61553 **Date:** 24 – 28 May 2027 **Location:** Dar es Salaam **Fees:** 7900 GBP

Mini MBA in Maintenance Management and Technology is a 1-week training course for maintenance managers and aspiring leaders, built around a Maintenance Business Case and Technology Roadmap for their own site. Maintenance now competes with every other function for capital, skilled people and executive attention, so its leaders must argue in financial terms. Jupiter Prime Training delivers this Mini MBA in Maintenance Management.

Why Mini MBA in Maintenance Management and Technology Matters Now

Three forces shape maintenance leadership today. Finance directors judge maintenance spend against return on assets, so departments must explain budgets in lifecycle cost terms. An ageing craft workforce is retiring faster than apprentices arrive. Condition monitoring sensors and predictive analytics promise savings, yet many plants never embed them. Organisations that handle these well defend budgets; others carry backlogs and stranded software. The course draws on asset management principles and on maintenance benchmarking measures such as the planned versus reactive ratio.

Who Gains Most from Mini MBA in Maintenance Management and Technology

- Leaders accountable for a maintenance department budget and its annual spending case
- Planning and scheduling heads who set backlog, shutdown and work order priorities
- Reliability engineers moving into supervisory or departmental responsibility
- Facilities and estate maintenance leads running building services portfolios
- Engineering superintendents choosing between repair, overhaul and replacement of plant

A plant or estate that sends its maintenance manager, planner and reliability lead together gains most, agreeing one budget logic and one technology priority list.

Mini MBA in Maintenance Management and Technology Capabilities

Participants leave able to argue for pumps, chillers and crews in boardroom language and to test technology claims.

- Calculate lifecycle cost and payback for repair, overhaul and replacement options — capital committee
- Build a zero-based maintenance budget with labour, spares and contractor lines — finance director
- Design a maintenance KPI scorecard balancing leading and lagging indicators — operations leadership
- Assess predictive maintenance and CMMS proposals with a structured scoring model — technology investment decision
- Apply succession and skills matrix methods to protect craft knowledge — human resources partners
- Communicate maintenance performance in financial terms to non-engineering executives — board reporting

Key Mini MBA in Maintenance Management and Technology Terms

- Lifecycle Cost — the total cost of owning an asset from purchase to disposal.
- Planned Versus Reactive Ratio — the share of maintenance hours spent on scheduled work compared with breakdown repairs.
- Maintenance Backlog — the volume of approved work orders not yet completed.
- Replacement Asset Value — the cost of replacing a plant or building, used to benchmark spend.
- Computerised Maintenance Management System CMMS — software that records assets, work orders and history.
- Skills Matrix — a grid showing which technicians hold which competencies, exposing gaps.

Mini MBA in Maintenance Management and Technology Day by Day

Day 1: Maintenance as a Business Function

- Maintenance Value Chain Mapping — Where Upkeep Protects Revenue and Safety
- Asset Management Principles — Aligning Maintenance With Organisational Objectives
- Replacement Asset Value Benchmarking — Judging Whether Spend Is Proportionate
- Stakeholder Mapping for Maintenance Leaders — Securing Production and Finance Backing
- Maintenance Strategy Statement — Setting Direction for Three to Five Years

Day 2: Maintenance Finance and Budgeting

- Zero-Based Maintenance Budgeting — Justifying Labour, Spares and Contractor Lines
- Lifecycle Cost Modelling — Comparing Repair, Overhaul and Replacement
- Net Present Value and Payback — Ranking Competing Maintenance Projects
- Spares Inventory Carrying Cost — Balancing Stock Levels Against Downtime Risk
- Contractor Versus In-House Analysis — Choosing the Delivery Model for Each Trade

Day 3: Performance Indicators and People

- Maintenance KPI Scorecard Design — Choosing Leading and Lagging Measures
- Planned Versus Reactive Ratio Tracking — Steering Away From Firefighting
- Backlog and Schedule Compliance Reviews — Setting Weekly Crew Priorities
- Skills Matrix and Succession Planning — Protecting Knowledge as Technicians Retire
- Supervisor Coaching Conversations — Raising Craft Accountability

Day 4: Evaluating Maintenance Technology

- Condition Monitoring Sensor Options — Matching Vibration, Thermal and Oil Data to Assets
- CMMS and Mobile Work Order Selection — Avoiding Software That Never Embeds
- Predictive Analytics Readiness Check — Testing Data Quality Before Investment
- Technology Scoring Model — Weighing Benefit, Cost, Risk and Skills Demand
- Pilot Site Selection — Proving Value on a Small Asset Group

Day 5: Practising the Maintenance Business Case and Technology Roadmap

- Site Budget Rebuild — Applying Zero-Based Lines to a Plant Case
- Scorecard Calibration — Setting Targets From a Benchmark Comparison
- Technology Shortlist Ranking — Scoring Two Vendor Proposals Side by Side
- Executive Pitch Rehearsal — Presenting Maintenance Spend in Financial Language
- Maintenance Business Case and Technology Roadmap — Completing the Site Submission

Applying Mini MBA in Maintenance Management and Technology After the Course

- Rebuild next year's maintenance budget on zero-based lines and review its lifecycle cost logic with finance.
- Run the technology scoring model on one pending CMMS or condition monitoring proposal before any purchase order is signed.

Mini MBA in Maintenance Management and Technology Questions FAQ

What is a Mini MBA in Maintenance Management and Technology and why does it matter now?

It is a condensed business education for maintenance leaders covering finance, indicators, people and technology choices. It matters now because budgets face sharper scrutiny and new monitoring tools need disciplined evaluation.

Which roles gain most from a Mini MBA in Maintenance Management and Technology?

Maintenance managers and those preparing for the role gain most. Planners, reliability engineers and facilities leads who defend budgets or recommend technology also benefit.

How does a Mini MBA in Maintenance Management and Technology differ from a reliability engineering course?

It focuses on business decisions rather than failure analysis techniques. A reliability engineering course teaches tools such as failure modes analysis, while this Mini MBA teaches how to fund, staff, measure and modernise a maintenance department.

What do you bring back from a Mini MBA in Maintenance Management and Technology?

You bring back a drafted business case and technology roadmap for your own site. It holds a rebuilt budget, a KPI scorecard, a succession view and a ranked technology shortlist.

Mini MBA in Maintenance Management and Technology: The Way Forward

The Maintenance Business Case and Technology Roadmap first informs the annual budget round, where the maintenance manager uses it to defend spend and sequence technology pilots. After its first cycle, revisit the scorecard targets and the technology ranking, since results from the first pilot usually shift both priorities and the skills plan.