

Added Value for Candidates Working in the Field of Maintenance

The added value in the student's area of specialization		Term One			Term Two (part 1)			Term Two (part 2)		Term Three			Term Four		
Upon completion of the Master in Quality Management the Candidates shall be able to:		Statistics for Administrative Decisions	Concepts of Quality Assurance Systems	Contemporary Management	Global Competition Management	Information Systems	Statistical Quality Control	Quality Management	Research Methodology	Group Dynamics	Customer Relationship Management	Thesis (Part 1)	Business Process Reengineering	Advanced Topics in Quality Management	Thesis (Part 2)
Specify	1. Use different methods for measuring the efficiency and effectiveness of equipment.		✓	✓	✓			✓	✓			✓	✓		✓
	2. Analyze the efficiency of equipment using appropriate methods.		✓	✓	✓	✓		✓	✓			✓			✓
	3. Identify the strengths and weaknesses of equipment and production lines besides the improvement opportunities and threats that might hinder the production process.		✓	✓	✓				✓	✓			✓	✓	✓
Enquire	4. Analyze the current maintenance management system using suitable techniques and methods to mitigate the losses and costs.	✓		✓	✓				✓			✓	✓		✓
	5. Identify the root causes of loss in equipment efficiency by using the appropriate methods.	✓		✓	✓				✓			✓			✓
Narrow	6. Analyze and identify the root causes that affect the maintenance processes performance using different qualitative and quantitative tools.	✓		✓	✓		✓		✓			✓			✓
	7. Prioritize maintenance processes according to the expected impact on performance and commitment to the plan.	✓		✓	✓		✓		✓			✓		✓	✓
Solve	8. Prepare maintenance plans in coordination with the relevant departments.	✓	✓		✓			✓	✓			✓			✓
	9. Use suitable methods and techniques to eliminate pollution, accidents and emergency shutdown of equipment.	✓	✓		✓			✓	✓			✓	✓		✓
	10. Identify and follow-up corrective and preventive actions for maintenance.	✓	✓		✓	✓			✓	✓	✓	✓	✓		✓
Optimize	11. Identify and control the risks associated with equipment and machinery, and identify priorities for development.		✓		✓			✓	✓			✓	✓	✓	✓
Repeat	12. Use various methods and tools to conduct internal audits and monitor external audit carried out by regulatory bodies.			✓		✓		✓	✓	✓		✓	✓		✓
	13. Ensure the stability of performance and continuous improvement using appropriate tools and techniques.			✓		✓		✓	✓			✓	✓		✓

General Added Value

Upon completion of the Master of Quality Management Candidates will be able to:

	Term 1			Terms 2 (Part One)			Terms 2 (Part Two)		Term 3			Term 4		
	Statistics for Administrative Decisions	Concepts of Quality Assurance Systems	Contemporary Management	Global Competition	Management Information Systems	Statistical Quality Control	Quality Management	Research Methodology	Group Dynamics	Customer Relationship Management	Thesis (Part 1)	Business Process Reengineering	Advanced Topics In Quality Management	Thesis (Part 2)
1. Formulate and cascade strategic objectives among business units of the organization.			✓					✓			✓		✓	✓
2. Identify the required performance measures to monitor and improve organizational/departmental performance.			✓					✓			✓			✓
3. Identifying market/customers' requirements and benchmark organization performance against competitors.			✓	✓				✓		✓	✓			✓
4. Identify, select and use the appropriate tool(s) to analyze business processes/activities and investigate the root cause of an issue/constraint/problem and propose appropriate list of solutions.			✓	✓				✓			✓			✓
5. Effectively participate/manage multifunction teams to improve/redesign products/services that match customers' expectations.			✓				✓	✓	✓	✓	✓			✓
6. Prepare a professional risk assessment through identifying, prioritizing and responding to potential risks.								✓			✓			✓
7. Interpret, implement, and review the requirements of various international standards.		✓						✓			✓			✓
8. Plan, organizes, and executes effective audits against different international standards.		✓						✓			✓			✓
9. Apply incremental improvement projects through applying Lean principles.		✓						✓			✓	✓	✓	✓
10. Apply incremental and breakthrough improvement initiatives through applying different Methodologies.		✓	✓			✓	✓	✓			✓	✓	✓	✓
11. Measure and determine the current state of operations.		✓	✓			✓		✓			✓			✓
12. Enquire into the processes to understand non-value added activities and discern it from value added activities.		✓						✓			✓			✓
13. Use Management tools and techniques to narrow down problems and indentify their root causes.			✓	✓				✓			✓			✓
14. Solve problem using creative thinking techniques.			✓	✓				✓			✓			✓
15. Optimize the value of products/services to customers.								✓		✓	✓			✓
16. Measure organizational performance to continuously improve performance.		✓	✓	✓			✓	✓			✓		✓	✓
17. Monitor the effectiveness of the remedy actions implemented.		✓						✓			✓			✓
18. Take rational decisions through statistical and managerial tools and techniques.	✓		✓			✓		✓			✓			✓
19. Manage resistance to change in organizations.			✓					✓			✓			✓
20. Develop effective audit plans, follow audit steps, write non conformity reports and monitor the effectiveness of actions taken.		✓						✓			✓			✓