Course Code	MB18OM02	Course Name	Qua	ality Toolkit for Managers	Course Category		Foundation Course	2 2	T 0	P 2	3
Pre-requisi Courses	NΔ		Co-requisite Courses	NA	Progressive Courses	ОМ					
Course Offering Department D		Department o	of management Studies	Data Book / Codes/Standards							

Course Learning Rationale (CLR): The purpose of learning this course is to:							
CLR-1:	To make the students under Education by quality Gurus.	stand the concepts of the concepts of Total Quality Management and Total Quality	1	2	3		
CLR-2:	To provide more insights on	Strategic quality management and various award for quality Excellence	(Bloom)				
CLR-3:		of the QC tools and Continuous improvement approaches		(%)	Attainment (%)		
CLR-4:	To expose the students to Prediction of errors and Root cause analysis of business activities						
CLR-5:	i: To provide knowledge on Quality System certification process						
Course L	earning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking	Expected Proficiency	Expected A		
CLO-1:	Students will have a better u	inderstanding of Principles and philosophies of Quality Management	1	60	50		
CLO-2:	Studentswill understand Stra	ategic quality management and the Quality excellence awards	2	80	70		
CLO-3:	3: Students will learn to Describe, distinguish and use the several techniques and quality management tools						
CLO-4: Students will learn to Predict the errors in the measuring process, distinguishing its nature and the root causes and the implication of quality in business							
CLO-5:	Students will learn hoexplain	n the regulation and the phases of a quality system certification process.	2	90	80		

		Program I	_earning C	outcomes (	PLO)		
1	2	3	4	5	6	7	8
Business Environment & Domain Knowledge (BEDK)	Critical Thinking, Business Analysis, Problem Solving and Innovative Solutions (CBPI)	Global Exposure and Cross- cultured understanding (GECCU)	Social Responsiveness and Ethics (SRE)	Effective Communication (EC)	PSO-1A multidisci comprisin system, resources integrate	PSO— ZUsage of business metrics to evaluate business projects to develop growth strategies	PSO-3Authorize the students to innovate and execute the business idea during the challenging Businesssituation.
 H	М	Н	М	L	М	М	М
L	Н	L	L	М	М	М	L
М	Н	L	L	М	М	L	L
М	Н	М	L	М	М	L	L
М	Н	Н	L	М	М	L	L

Durati	on (hour)	9	9	9	9	9
	SLO-1	Quality, Qualitydefinition, Importance	Evolution, Key elements of TQM	Statistical Concepts in Quality Management	Quality Function Deployment – definition and importance	ISO- Evolution, Need and Structue
S-1	1 SLO-2 Levels of Quality		Key principles and Core concepts of TQM	Statistical Concepts in Quality Management	House of Quality	ISO- Evolution, Need and Structue
S-2	SLO-1	Dimensions of Quality-Product	TQMEX – Total quality Management Excellence Model	Six sigma, its key concepts and Steps in implementing Six sigma (DMAIC, DMADV, DFSS)	Construction of QFD matrix for a Service Sector	Development of ISO 9000 Quality Management principles
3-2	SLO-2	Dimensions of Quality- Service	TQMEX – Total quality Management Excellence Model	Six sigma, its key concepts and Steps in implementing Six sigma (DMAIC, DMADV, DFSS)	Construction of QFD matrix for a Service Sector	Development of ISO 9000 Quality Management principles
S-3	SLO-1	Cost of Quality	Quality Leadership, Leadership functions	Seven old QC tools	FMEA – Definition, Terminologies	Requirements of ISO 9001 Quality Management Systems
	SLO-2	Categories of cost	Leadership Competencies	Seven old QC tools	FMEA –Process	Requirements of ISO 9001 Quality Management Systems
S-4	SLO-1	Deming's principles- PDCA Cycle	CSR – Evolution and Models	Seven new management and planning QC tools	FMEA – Inputs	Steps to certification under ISO 9001:2008 QMS

	SLO-2	Walter Shewart's Principles – PDSA cycle	Strategic Quality Management and its process	Seven new management and planning QC tools	FMEA –Team Members and Roles	Steps to certification under ISO 9001:2008 QMS
	SLO-1	Juran's Quality trilogy	Quality Culture, its stages	Kaizen and Gemba kaizen, Lean management principles	TPM – Definition and Pillars of TPM	Concept of Sig sigma, its scale of defects
S-5	SLO-2	Juran'sSteps to quality improvement	Change management	Tools for Continuous improvement	TPM – Definition and Pillars of TPM	Six sigma benchmarks
	SLO-1	Philip B. Crosby's Steps to Quality improvement	Deming's prize and Malcolm Baldrige National Quality Award	Breakthrough Improvement – Creativity	TPM – Classification of losses	Lean Management – Background
S-6	SLO-2	Four Absolutes and 6C's of QM	Deming's prize and Malcolm Baldrige National Quality Award	Breakthrough Improvement – innovation and types of innovation	TPM implementation	Toyota Production System
S-7	SLO-1	Masaaki Imai thoughts of Quality	Ramakrishna Bajaj National Quality award and TBEM	TRIZ and systematic inventive value augmentation,	Customer relationship management	Key Lean techniques.
3-1	SLO-2	Feigenbaum's thoughts of Quality	Ramakrishna Bajaj National Quality award and TBEM	Value analysis and Value Engineering	Customer Value Management	Key Lean techniques.
S-8	SLO-1	Kaoru Ishikawa's Cause and Effect diagram and Quality circles	European Quality Award	Benchmarking – Evolution, Process	CRM in the context of B2B and B2C	Lean Manufacturing –how people and Customers benefit from lean.
3-0	SLO-2	Shigeo Shingo's Quality teachings	CII-EXIM Bank Award for Business Excellence	Benchmarking – Types and Steps.	E-CRM	Lean Manufacturing –how people and Customers benefit from lean.
	SLO-1	Genichi Taguchi's Robust design methodology	International Quality Maturity Model	BPR principles	Classification of Services	House of Lean
S-9	SLO-2	Genichi Taguchi's Quality Loss function	Highlights of Capability Maturity Model Integration (CMMI)	BPR in Manufacturing and Service Sector	Service quality measurement - SERVQUAL model	Lean Maintenance

Learning Resources

1. Poornima M. Charantimath, Total Quality Management, Pearson Education, 2011.
James R Evans, Quality Management, Cengage Learning India private limited 2010.
Dale H Besterfield et al., Total Quality Management, Pearson Publication, Third edition, 2003

Learning Assess	Learning Assessment											
	Bloom's	Continuous Learning Assessment (50% weightage)									Final Examination (50% weightage)	
	Level of Thinking	CLA – 1	CLA – 1 (10%)		CLA – 2 (15%)		CLA – 3 (15%)		CLA – 4 (10%)#		i (50 % weightage)	
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	
Level 1	Remember	20	10	25	5	30	0	35	5	30	0	

	Understand										
Level 2	Apply Analyze	30	10	35	5	40	0	30	0	40	0
Level 3	Evaluate Create	20	10	25	5	30	0	30	0	30	0
	Total	100		10	0 %	100	) %	100	) %	10	0 %

# CLA - 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, and Conf. Paper etc.

Course Designers		
Experts from Industry	Experts from Higher Technical Institutions	Internal Experts

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