

Managing Risk

PDPC
DFMEA
FMEA
PFMEA
RAID Logs
Fault Tree Analysis
RA Matrix
Risk Assessment*
Risk registry
Traffic Light Assessment

Production rate
Cycle time
Dashboards
Lean Measures
KPIs
Lead time
Takt time
% out of spec.
OEE
Cpk
Capability Indices
GR&R
Throughput Yield
MSA
RTY
Gauge Linearity and Bias

Cost of Quality
Reliability Analysis
Descriptive Statistics
Frequency Tables
Probability Distributions
ANOVA
Probability plot
Boxplot
Normality Testing
Z-tests
OFAT
Taguchi
Response service
Factorial designs

Run Charts
Control Charts
X-Bar S
Time Series Plot
Best practices
I-MR
Data Collection Plan
Benchmarking
Sampling
MSS
Focus groups
Interviews
Brainstorming
Free contribution
Photography
Check Sheets
Nominal Group Technique
Mind Mapping*
Measles Charts
Surveys
Affinity Diagram
Attribute Analysis
Data
Critical Incident Technique
Lateral Thinking
Visioning

Observations
Creating Ideas**

Designing & Analyzing Processes

Flowcharting
Service Blueprints

Flow Process Chart
Process Mapping
Swimlane diagram

Flowcharting
Service Blueprints

Deciding & Selecting

Pros and Cons
Break-even Analysis
Force Field Analysis
Decision Tree
Voting
Multi-voting
Pugh Matrix
SWOT
TPN Analysis
PDCA
Control Planning
Gap Analysis

House of quality
QFD
VOP
VOC
Kano Analysis
Prioritization Matrix
Critical-to Tree
Paired Comparison
Cause and Effect Matrix
Pareto Analysis
Simulation
TPM

Confidence Intervals
ANOVA
Hypothesis Testing
Scatter Plot
Correlation
Logistic
Multiple
Multi-vari Charts
Flow
Value Analysis
5S

Regression
Bottleneck Analysis
Visual Management
Red tag
5S

Relationship Mapping*
TRIZ***
SCAMPER***
Concept map
Mind Mapping*
UML

Flowcharting
Service Blueprints

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Planning & Project Management*

RACI Matrix
Stakeholder Analysis
Importance-Urgency Mapping
PPI
Project Priority Matrix
ROI
Cost Benefit Analysis
Payback period
PEST
PERT/CPM
Activity Diagram
Roadmaps
Project Charter
Project Milestones
Project closure
Project closure
WBS
Gantt Chart
Dependencies

Hoshin Kanri
Treemapping
Tree Diagram**
Kaizen
SOP
How-How Diagram
Standard work
Modularity

Mistake Proofing
Prevention
Detection
Reduction
Pull Systems
JIT
Ergonomics
Work Balancing
Automation

Flow
Value Analysis
Waste Analysis
SMED
Time Value Map
Process Redesign
IDEF0
Timeline
VA/NVA
Value Stream Mapping
SIPOC
As-Is
Should-be

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