

Managing Risk

PDPC
FMEA RAID Logs
Fault Tree Analysis
Risk Assessment*
Traffic Light Assessment

Deciding & Selecting

Pros and Cons
Break-even Analysis
Force Field Analysis
Decision Tree
QFD
Kano Analysis
Critical-to Tree
Cause and Effect Matrix
Confidence Intervals
Probability Distributions
Graphical Analysis
Run Charts
Control Charts
Sampling
Brainstorming
Nominal Group Technique
Affinity Diagram
Lateral Thinking

Planning & Project Management*

Importance-Urgency Mapping
Cost Benefit Analysis
Pugh Matrix
SWOT
TPN Analysis
Prioritization Matrix
Paired Comparison
Pareto Analysis
ANOVA
Design of Experiments
Regression
Multi-Vari Charts
Relationship Mapping*
TRIZ***
SCAMPER***
Mind Mapping*
Attribute Analysis
Visioning

RACI Matrix
Stakeholder Analysis
PEST
PERT/CPM
Activity Diagram
Roadmaps
Project Charter
Gantt Chart
PDCA
Control Planning
Gap Analysis
Hoshin Kanri
Kaizen
How-How Diagram
Standard work
Simulation
TPM
Mistake Proofing
Pull Systems
JIT
Ergonomics
Work Balancing
Automation
Bottleneck Analysis
Visual Management
Flow
Value Analysis
5S
Waste Analysis
SMED
Time Value Map
Process Redesign
IDEF0
Value Stream Mapping
SIPOC
Flow Process Chart
Process Mapping
Flowcharting
Service Blueprints

Understanding Performance

OEE
MSA
RTY
Descriptive Statistics
Cost of Quality
Reliability Analysis
Benchmarking
Focus groups
Photography
Measles Charts
Data Collection
Critical Incident Technique
Observations

Understanding Cause & Effect

Lean Measures
KPIs
Capability Indices
RTY
Descriptive Statistics
Probability Distributions
ANOVA
Design of Experiments
Regression
Multi-Vari Charts
Relationship Mapping*
TRIZ***
SCAMPER***
Mind Mapping*
Attribute Analysis
Visioning

Identifying & Implementing Solutions***

Tree Diagram**
Standard work
Simulation
TPM
Mistake Proofing
Pull Systems
JIT
Ergonomics
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Bottleneck Analysis
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Creating Ideas**

Designing & Analyzing Processes