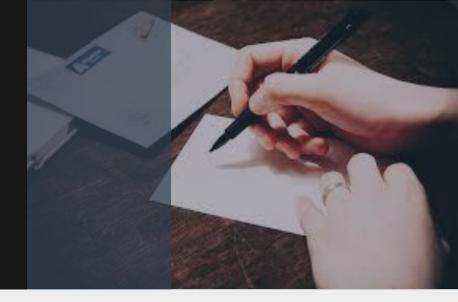
15 PHASES OF DMAIC ROADMAP



TOPIC: DMAIC ROADMAP

15 STEPS OF DMAIC ROADMAP						
DEFINE	MEASURE	ANALYZE	IMPROVE	CONTROL		
What Problems are You Trying to Solve?	What is the extent of the Problem?	Why is the Problem Occurring?	What do you propose to do & Why?	How will you ensure that the problem stays fixed?		
1. Understand Customer & Business Requirements	4. Identify What to Measure	7. Identify Performance Gaps	10. Generate, Prioritize & Select Solutions	13. Institutionalize the Solution(s)		
2. Complete the Project Charter	5. Plan & Collect Data	8. Ascertain Critical Root- Causes	11. Pilot Solution(s)	14. Replicate & Share Best Practices		
3. Complete the High-Level As-Is Process Map	6. Determine Baseline Performance	9. Validate Root Causes	12. Validate Impact of Solution(s)	15. Celebrate & Recognize Success		
TOLL GATE	TOLL GATE	TOLL GATE	TOLL GATE	TOLL GATE		

ANALYZE

IMPROVE

CONTROL

MEASURE

DEFINE

SIX SIGMA DMAIC TOOLKIT



TOPIC: DMAIC TOOLKIT

SIX SIGMA DMAIC TOOLKIT							
DEFINE	MEASURE	ANALYZE	IMPROVE	CONTROL			
1. Understand Customer & Business Requirements Voice of Customer	4. Identify What to Measure Process Maps 8 Wastes	7. Identify Performance Gaps Review of Process Map Brainstorming Fishbone Diagram 5 Why Analysis	10. Generate, Prioritize & Select Solutions Brainstorming Brain-writing 6-3-5 Assumption Busting	13. Institutionalize the Solution(s) Common vs. Special Causes Control Charts Control Plan			
2. Complete the Project Charter Project Charter	5. Plan & Collect Data Continuous Data Discrete Data Mean Median Mode Standard Deviation Data Collection Plan Sampling	8. Ascertain Critical Root-Causes Control Impact Matrix	11. Pilot Solution(s) Pilot Plan Risk Analysis	14. Replicate & Share Best Practices Communication			
3. Complete the High-Level As-Is Process Map SIPOC	6. Determine Baseline Performance Run Chart Defects Defectives Opportunity for Error Unit Process Capability Analysis	9. Validate Root Causes Line Chart Bar Chart Pareto Chart Pareto Chart Histogram Scatter Diagram Correlation Analysis	12. Validate Impact of Solution(s) Process Capability Re-Analysis	15. Celebrate & Recognize Success Celebrate			