

Certification in Lean Six Sigma Green and Black Belt

Module 1: Project Charter, VOC to CTQs, Kano Model, SIPOC

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Module 2: Process capability , Segmentation and Stratification

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Module 3: Measurement System Anlaysis (attribure gage R&R)

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Module 4: Box plot, rolled throughput yield, Process map analysis

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Module 5: Pareto, Concept of Lean, C&I Matrix, Hypothesis testing

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Module 6: Correlation, TRIZ, C&B Matrix, Mistate proofing, FMEA

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Module 7: Process Management Charts, SPC, response plan

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Module 8: Fishbone diagram, Data collection plan, normality study

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Module 9: Run chart, Control Chart, Sampling strategy, Regression

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Module 10: Change Management

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Module 11: Basic Statistics, Data types, Graphical tools for measuring Variation

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Module 12: Finding Sigma level using minitab and Sigma level Caluculator

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Module 13: Minitab, Sigma level for Defect and Defective Data



Module 14: Project Identification, CTQ, Resistance & Stakeholder Analysis, QFD, Financial Metrics



Module 15: SIPOC Diagram, MSA, Project Charter



Module 16: Process Capability, CP, CPK, PP, PPK, Yield FTY, RTY



Module 17: Binomial & Poisson Probability, Hypothesis Testing, Multiple Regression



Module 18: Mistake Proofing, Control Chart - \bar{X} bar R bar & \bar{X} bar S chart, P chart, NP chart, C chart, U chart

