

# Lean Six Sigma Black Belt

## Training Overview:

This Lean Six Sigma Black Belt course equips experienced professionals to lead complex improvement initiatives and drive strategic change. Participants learn how to apply advanced analytical methods, Lean tools, and leadership techniques to deliver measurable business results.

Through hands-on exercises and real-world application, participants solve complex problems, lead cross-functional teams, and align improvement efforts to financial and strategic goals. The course emphasizes measurable outcomes, including reduced costs, improved throughput, and increased profitability.

## Training Objectives:

- Lead complex Lean Six Sigma projects across functions
- Align improvement initiatives with strategy and customer requirements
- Quantify cost of poor quality and identify high-impact opportunities
- Calculate financial benefits such as cost reduction and throughput gains
- Apply advanced statistical methods including regression and hypothesis testing
- Use design of experiments (DOE) to optimize process performance
- Apply Lean tools to eliminate waste and improve flow
- Integrate Lean and Six Sigma methods for sustained results
- Lead cross-functional teams and drive change
- Mentor and develop Green Belt practitioners