

## Six Sigma Green Belt



Six Sigma, in today's competitive business environment, is becoming more popular as it is a proven methodology that seeks to identify and remove the causes of defects and errors in organization's business operations including manufacturing and/or service operations including other support processes. If implemented successfully, each **Six Sigma project** carried out within an organization by following a defined sequence of steps, can bring in tremendous savings & improvements. It uses a set of quality management methods, including statistical methods, and creates a special infrastructure of people within the organization ("Green Belts, Black Belts" etc.) who are experts in these methods. Six Sigma Training therefore is vital to create the infrastructure of people to drive the improvements. With objectives to understand Six Sigma & DMAIC methodology, tools & techniques, to understand the concepts such as VOC & VOP, to clearly understand how to develop strategy for six sigma projects implementation and to understand roles & responsibilities in successful deployment of six sigma projects.

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### Who should attend ?

- Individuals wishing to become part of companywide Six Sigma practices and/or Improvement Projects.
- Working Executives wishing to become Six Sigma Experts. (e.g. QA Engineers, Project Managers, Team leaders, Software Professionals, Practitioners, Software QA team members and Senior Management)
- Individuals wishing to get certified as Green Belt in Six Sigma
- Future managers,
- Professionals involved in research, innovations or consulting in process improvement practices
- Management and Engineering Students desirous to be more resourceful and employable

### Course Contents

- Introduction to Six Sigma
- Development & History
- Define Phase : understanding six sigma, DMAIC, VOC to CTQ, COPQ, FTY, RTY, Project Charter, Pareto Analysis, Elements of Waste
- Measure Phase : Introduction, Cause & Effect Analysis, SIPOC, FMEA, MSA
- Analyze Phase : Overview, Minitab, Hypothesis testing
- Improve Phase : Overview, Correlation, Regression, DoE
- Control Phase: Overview, Mistake Proofing, SPC
- Practice Projects
- Written Examination
- End of course

### Certificate

Certificate of successful completion shall be issued to all the delegates who attend entire duration of the course & pass the written examination..

**Duration:** 4 Days