

e-ITEC COURSE ON SIX SIGMA GREEN BELT PROGRAM

Number of Days of Training: 14

Number of Lectures/day: 2 (of 90 minutes each).

Inauguration and Valedictory Session: 30 minutes+1 hour

TOPICS TO BE COVERED- COURSE - CONTENT

1. Fundamentals of Six Sigma, DMAIC & DMADV roadmaps
2. Basis of improvement project selection, roles of six sigma change agents; CTQ selection
3. Statistical thinking, types of data,
4. Six sigma metrics,
5. Brainstorming, C&E diagram, FMEA, Pareto analysis, data visualization
6. Descriptive statistics measures
7. Elementary probability distributions
8. Tests of hypothesis
9. ANOVA
10. Correlation & Regression
11. Control charts
12. Gage R&R study
13. Process capability analysis
14. Demonstration with Software

Class Timings:

First lecture: 2:30 - 4:00 PM IST

Second Lecture: 4:30 - 6:00 PM IST.

Mode of Evaluation of Performance of Participants

Continuous evaluation by faculty in the form of MCQ and assignments.

Appropriate certificates will be awarded to the participants at the end of the course as per criteria specified below:

CRITERIA	AWARD
Satisfactory Performance* with at least 50% score AND attendance in at least 50% of the sessions	Certificate of Proficiency
Satisfactory Performance* with score between 40% to 50 % AND attendance in at least 50% of the sessions	Certificate of Attendance
Satisfactory Performance* with score less than 40% AND attendance in at least 50% of the sessions	Certificate of Participation
All other cases	NO Certificate

*Through assessment based on assignments/test