



DigiLEAF Inc. cordially invites you to attend **Statistical Process Control** **Detecting Process Variation and Capability**

Metrics analysis is more than comparing the average from the goal; this course will discuss proper analysis towards understanding process variation. It will run through the techniques of Control Charting and will further explain causes of variation, source of control limits, and interpretation of trend behaviors. This course will also differentiate controllability and capability and how these two are linked together (i.e. Shrink and Shift Goal). This course will run through the different Control Chart techniques and how can these linked towards mapping of baseline against the target, factor-to-factor comparison and improvement sustenance diagnostics.

TOPICS

- I. Concept of Homogeneity
- II. Rationality of Detecting Process Controllability
- III. Context of Shewhart's Control Charts
 - A.) State of In-Control
 - B.) Causes of Variation
 - C.) Control Limits
 - D.) Control Chart Interpretation
- IV. Control Chart Building for Variable Data
 - A.) X-MR Chart
 - B.) Xbar-R Chart
 - C.) Xbar-S Chart
- V. Control Chart Building for Attribute Data
 - A.) P Chart
 - B.) Np Chart
 - C.) C Chart
 - D.) U Chart
- VI. Usage of Control Charting towards Problem Analysis
- VII. Process Capability Measures
 - A.) Computation of Yields
 - B.) Sigma Level
 - C.) Capability Ratios
 - D.) Defective Parts Per Million
 - E.) Defects Per Million Opportunities
- VIII. Linkage of Controllability and Capability

Duration: 3 days

About us...

DigiLEAF Inc. is a solutions provider founded to alleviate the level of service quality awareness and practices in an organization. It's mission is to help businesses achieve organizational excellence through the development of its human resources and leveraging the use of technology in business. DigiLEAF- **Leading Excellence Among Fellows** provides cost effective quality training programs, management, and consulting services.

BENEFITS FOR THE ATTENDEES

- Be able to understand the concept of process control and how it can be linked towards data-driven problem solving
- Be able to construct control chart depending on the nature of the data and interpret them for data and causal analysis
- Be able to calculate process capability metrics that will gauge the gap of baseline from the intended specifications.
- Be able to form the though process that will link process consistency and ability to met customer requirements

TARGET AUDIENCE

- Operations/Support Managers
- Operations/Support Leads
- Quality Managers/Leads
- Process Leads/Engineers/Specialists
- QA/QC Leads/Specialists
- Project Managers/Leads

Training Fee: 16,670.00 per participant (12% VAT inclusive). This fee includes AM/PM snacks and lunch for each training day as well as all training materials. Call for group discount information.

For more details and registration contact: 864-0403 or 864-0596 look for our training coordinators

Cancellation/Payment Policies:

- Cancellations made within 3 working days prior to the first training day are charged in full.
- No shows from the beginning to last training day are charged in full.
- Payments should be made 3 working days prior to first training day.
- DigiLEAF reserves the right to cancel or postpone the schedule due to emergency reasons.