



Ascendent Technology Sdn. Bhd.
(1093652-W)



Claimable



SBL Claimable



STATISICAL PROCESS CONTROL (SPC)

PROGRAMME OVERVIEW:

Statistical process control (SPC) is the application of statistical methods to the monitoring and control of a process to ensure that it operates at its full potential to produce conforming product. Under SPC, a process behaves predictably to produce as much conforming product as possible with the least possible waste. While SPC has been applied most frequently to controlling manufacturing lines, it applies equally well to any process with a measurable output. Key tools in SPC are [control charts](#), a focus on [continuous improvement](#) and [designed experiments](#).

TARGET GROUP:

Management Representatives, Department Heads, Managers, Supervisors, Engineers, Chemist, Line Leader, Executives for manufacturing, Quality Assurance, and those involved in product improvement.

OBJECTIVES:

At the end of the course, participants are expected to:

- 1) Understand the principle of SPC in process control plot SPC charts and interpret the pattern
- 2) Select the appropriate tool for an identified purpose within ISO QMS required activities
- 3) Use the statistical tools as improvement tool that meet ISO QMS required activities
- 4) Apply the selected tools & interpret the results of the application
- 5) Make correct decisions based on the interpretation

CONTENT:

- 1) Background of SPC
- 2) Prevention versus detection
- 3) Common and special causes of variation
- 4) Control charts for variable data
- 5) X-bar and R charts
- 6) Individual and moving range charts
- 7) Process capability studies – Ppk / Cpk
- 8) Examples of SPC
- 9) Control charts for attribute data
- 10) Attribute Charts:- proportion non conforming (p) charts and nonconformities (c) charts & Process stability
- 11) Process capability analysis
- 12) Workshop & Presentation

METHODOLOGY :

Theory discussion, Group exercises, workshops usually base on participants' organization information, individual problem analysis and reporting.

CERTIFICATE OF ATTENDANCE

Participants will be provided with a certificate of attendance at the end of the course

CONTACT US FOR MORE DETAILS

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| <ul style="list-style-type: none"> ✧ Public Training ✧ In-House Training ✧ Customade training ✧ HRDF SBL Scheme claimable for private sector ✧ e-Perolehan applicable for government sector | <ul style="list-style-type: none"> ❖ Tel: 603-6156 0813 ❖ HP: 012-417 3813 (JOYCE) ❖ Email: training@ascendent.com.my ❖ Web: www.ascendent.com.my |
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