Statistical Process Control (SPC)

for Managers, Engineers, Executives, Quality Practitioners and any member who is from Process, Research and Development, Quality and Production Department



10 & 11 May 2016 (9.00 am – 5.00 pm), Sunway Hotel Seberang Jaya

Statistical Process Control (SPC) was pioneered by Dr Walter A Shewhart and taken up by W. Edwards Deming with significant effect by the Americans during World War II to improve industrial production. Deming was also instrumental in introducing SPC methods to Japanese industry after that war. Dr Shewhart created the basis for the control chart and the concept of a state of statistical control by carefully designed experiments. Dr Shewhart concluded that while every process displays variation, some processes display controlled variation that is natural to the process, while others display uncontrolled variation that is not present in the process causal system at all times. When a process is in control, it becomes very important to determine how capable of the manufacturing process is meeting the customer's requirements. Unfortunately, many questions exist about how these studies should be done, and if done correctly, what the results actually mean. This program is to clarify the above confusion. The application of relevant computer software such as Minitab, MS Excel and/or SQCPack also will be covered in simplifying the statistical calculation and analysis.							
Learning Objectives/Outcomes	100% SBL claimable						
 To identify specific area in your company where quality and productivity improvement methodology can be applied To in-depth understand the concepts of underlying SPC To examine necessary steps in implementing SPC methods into your company effectively To gain the knowledge of process characterization, control & improvement flow To measure the effectiveness and efficiency of SPC To use Minitab, MS Excel and SQCPack for SPC related analysis 	Normal Fee: RM1000 per participant Register by <u>26 Apr 2016</u> , or Group of 2 or 3 Participants: RM920/Participant Group of 4 or 5: RM880/Participant <i>Certificate of participation will be awarded</i> upon completion of the program						
Program Outline							
 Fundamentals of Process Improvement Deming Management Philosophy Definitions of Statistics, Process, Control Elements of a Process Concept of Detection and Prevention Concept of Variation: Types of variation Stable versus Unstable Process Common/Natural vs Special/Assignable Causes Behaviour of Sample Statistics Exercise Deriving Information from Data Histogram and Frequency Distribution & Its Characteristics Sample versus Population Standardized Normal Distribution Process Sampling Information from Distribution Measures of Location / Skewness and Dispersion / Variation Exercise Standardized Normal Distribution Measures of Location / Skewness and Dispersion / Variation 	 For a second seco						

Mr Kuang Kok Hoo is a graduate from the University of Science Malaysia. He majors in Applied Statistics and Operational Research and Minors in Management. He is a Senior Member of the American Society for Quality (ASQ) and ASQ Certified Quality Engineer (CQE), Certified Manager of Quality/Organizational Excellence (CMQ/OE) and Certified Six Sigma Black Belt (CSSBB). He is also the Lead Auditor from International Register of Certificated Auditor (IRCA), United Kingdom specializing in ISO 9000 QMS, ISO 14001 EMS, ISO 22000 Food Industry QMS, ISO/TS 16949 Automotive QMS, Six Sigma Champion/Leader and Black Belt. As a PSMB Certified Trainer, he has conducted various kind of trainings such as ISO 9000, ISO 22000, ISO/TS 16949 QMS, ISO 14001 EMS, Train the Trainer, SPC, Advance SPC, 6 Sigma Programs (6 Sigma Champion/Leader, Black Belts and Green Belts), FMEA, Acceptance Sampling Plans, GR&R, DOE, Product Reliability & Liability, 7 QC Tools, 7 Advance Quality Management & Planning Tools, 5S Housekeeping, QCC, Productivity & Quality Improvement and etc. With more than 15 years of working experience directly in the Quality discipline, he has served QC/QA, TQM, Quality System and Training position in the electronic components, semiconductors, computer peripherals and automotive manufacturing industries. Besides that, he also was invited to conduct training for various manufacturing industries like steel and metal, motor and motorcycle, foods, furniture, oil processing and rubber & plastic products, semiconductor & electronics components, pharmaceutical, computer peripherals and telecommunication. He believes in Competency Based Training (CBT) and promotes these concepts which emphasize the Consistent Application of Skills and Knowledge to Workplace Standards across the Full Range of Conditions.

For <u>Registration Form</u>. Contact Miss Ng or download from <u>www.XcelLearn.com</u> Customised In-house training also available.

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REGISTRATION FORM						
	Nam	ne of Participant(s)	I/C No	Designatio	on Vegetarian(√)	
1.						
2.						
3.						
4.						
5.						
Company Name						
Company Address						
Conta	act Person		C	Designation		
Tel	Tel Fax			Email		
Nature of Business						
Enclosed is the Cheque (No:) of RM, crossed and made payable to "XCELLEARN RESOURCES BHD" (AmBank (M) Berhad A/C No: 093-201-200414-5).						
Do you need us to assist you on the booking of hotel accommodation? Yes No						
If yes	If yes, please specify: Check-in Date Check-Out Date					
* The hotel accommodation is subject to availability. Please re-confirm with the coordinator before the training and make payment directly to the hotel on check-in date.						
Terms & Conditions						
	The above registration fee is 100% claimable under SBL scheme. Please apply to HRDF for approval before the commencement of the program.					
2.	The fee is inclusive of training materials and meals (2 Tea Breaks and 1 Lunch) at the hotel.					
	If notice of withdrawal is given in writing before the confirmation of your registration, no fee is charged.					
	No cancellation is allowed once confirmation letter is forwarded to you. If the registered participant is unable to attend, a substitute is allowed. No refund if participant does not turn up or being substituted on the training day.					
4. (Cheque should	ould be crossed & made payable to "XCELLEARN RESOURCES BHD" 1 WEEK BEFORE training.				
	XcelLearn has the right to change the dates, time, venue, trainer or cancel the training scheduled due to circumstances beyond its control.					
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