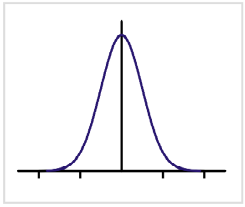
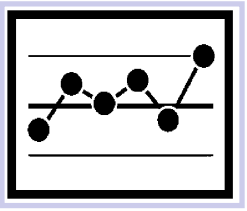
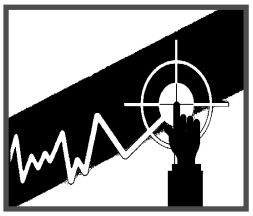
1-Day Short Course on Statistical Process Control (Statistics for Industry)

UNIVERSITI TEKNOLOGI PETRONAS

Introduction

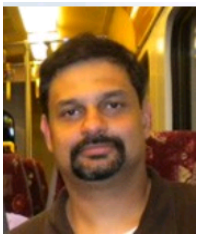



This short course introduces the principles and tools behind statistical process control (SPC) and monitoring. Monitoring and controlling the process ensures that it operates to, produce items that conform to specifications with minimum amount of waste. The tools of SPC can be applied to any process such as manufacturing, or any service related business, for which conformance can be measured. This short course will introduce the principles of SPC which include statistical thinking, understanding of variation and tools that are used to measure, identify, monitor and control variation.

Course Instructor

Vijanth Sagayan Asirvadam is an Associate Professor in Electrical & Electronics Engineering Department Universiti Teknologi PETRONAS (UTP), He holds a Ph.D. researching into Online and Constructive Neural Learning methods in November 1999 both from Queen's University Belfast. His research interest in theory includes linear and nonlinear system identification and model validation.

Mohana Sundaram Muthuvalu is a Senior lecturer at University Teknologi Petronas in the Department of Fundamental and Applied Sciences. , Malaysia. He received his PhD in Mathematics from Universiti Malaysia Sabah, in 2012. His research interests include numerical analysis, mathematical modelling and scientific computing



Sarat Chandra Dass is an expert in statistical modeling and inference techniques. Sarat is currently an Associate Professor at University Teknologi Petronas in the Department of Fundamental and Applied Sciences. He received his PhD in Statistics from Purdue University, USA in 1998. His research activities include statistical modeling, spatial statistics, Bayesian computations and inference, pattern recognition

Course Objectives

The four main objectives of the course are as follows:

1. **To introduce the principles of SPC which include statistical thinking and the understanding of variability; both natural and abnormal.**
2. **To introduce statistical tools that can measure natural variation and identify abnormal variation.**
3. **To introduce and develop control charts as a tool for process monitoring and control.**
4. **To introduce and develop capability and performance indices to measure the ability of the process to operate with specification limits.**

Short Course Fees

IEEE/IET/ICE/SPIE/AIChE/ACM Student Member	RM 100
Student Non-Member	RM 150
IEEE/IET/ICE/SPIE/AIChE/ACM Regular Member	RM 200
Non-Member	RM 250

Thursday, 15 December 2016
9.00 a.m.—4.30 p.m.

Seminar Room 6,
Universiti Teknologi PETRONAS
Bandar Seri Iskandar, Perak D Ridzuan

Organized

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UNIVERSITI TEKNOLOGI PETRONAS

1-Day Short Course on Statistical Process Control (Statistics for Industry)

Program and Registration Details

TIME	DESCRIPTION
0900 –10:45	Introduction to Variation & Statistical Process Control (SPC)
10:45 -11.00	Morning Break
11:00– 12:45	Introduction to Control Charts
12:45 –14:15	Lunch & Discussion
14:15– 16:00	Capability Analysis. Process & Control Limits
16:00 –16:30	Evening Break, Discussion & Certificate Presentation

Participants Registration Form	
Name	
Position	
Organization	
Address	
Phone	
Email Address	
Date	

Payment and Registration Details

PAYMENT DETAILS

Payee : Universiti Teknologi PETRONAS
Bank Account Number : **8004857910**
Banker's Name : **CIMB Berhad**
Swift Code : CIBBMYKL
Banker's Address : 20, Jalan Pos Baru, 31000 Batu Gajah, Perak, Malaysia

- The fees is subject to 6% GST
- The fees include course materials.
- A certificate of attendance will be issued upon successful completion of the course

CONTACT DETAILS

Course Coordinator:
Dr. Vijanth Sagayan Asirvadam
Tel: +605 368 7881/ +60135843320
Email: vijanth@mail.com

Course Registration:
Dr Dileep Kumar (Research Manager)
Tel:/ WhatsApp +60195591650
Email: cooldileep1985@gmail.com

Please scan and email this form together with proof of payment or a copy of company under-taking letter to **cooldileep1985@gmail.com** or/and to **vijanth@mail.com**

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