Alliance in Quality: Bringing together best practices and latest methodologies

Six Sigma Master Black Belt (Upgrade from BB):

COURSE DATE:

- 8 days of workshop sessions (28 March to 5 April 2011, excluding Sunday 3 April 2011) using a combination of lecture, hands-on exercises, interactive discussion and team participation.

PROGRAM OUTLINE:

- Revision of DMAIC and IDOV
- Project management and Quality Function Deployment
- Beyond t-test
  o Testing composite hypothesis
  o Nonparametric Statistics
- Design of Experiments
  o Handling practical difficulties in experiments
    - Replicated experimental runs
    - Unsuccessful experimental runs
  o Customized fractional factorials
  o Economical experiments
  o Small sample experiments
  o Plackett-Burman designs
  o Application of blocking and split-plots
  o Experiments in noisy environments
  o Taguchi experiments
  o Robust design of products and processes
- Advanced SPC
  o CUSUM
  o EWMA with process adjustment scheme
  o Control charts based on cumulative conformance count
  o Process Capability for non-normal data and uncertainty analysis
- Reliability
  o Basic models and measures
  o Reliability testing
- Transactional Analysis
  o Mathematical programming
  o Queueing systems
  o Logistics regression

AQ21 assembles the strongest team of Six Sigma trainers and consultants ever seen in Asia – backed by the cutting-edge knowledge of internationally renowned academics, as well as the vast multinational, multicultural experiences of Six Sigma practitioners. AQ21 draws from the resources of experts and associates throughout Asia to enrich many of its customized training and consulting programs. Senior members of its team have decades of professional practice and research in Quality Engineering and Quality Management; and together the team has more than a century of experience. The knowledge and experience of its Six Sigma experts have benefited well over two thousand Champions, Master Black Belts, Black Belts and Green Belts in a wide spectrum of industries in the Asia-Pacific. AQ21 professionals are also frequently invited speakers at corporate meetings, public seminars and professional conferences.

PRINCIPAL COURSE INSTRUCTORS:

TN Goh, PhD, PE
Goh Thong Ngee is Professor of Industrial & Systems Engineering at the National University of Singapore. He obtained his BE from the University of Saskatchewan, Canada and PhD from the University of Wisconsin-Madison. Prof Goh has been internationally recognized for his expertise in quality engineering and management; he has been elected Fellow of the American Society for Quality as well as Academician of the International Academy for Quality. He has been active internationally by being advisory board member, external examiner or reviewer for universities and research agencies in Asia, Europe, North America and Australia; he is also a recipient of the American Society for Quality’s William G Hunter Award. Prof Goh is the inaugural recipient of the Masing Book Prize for co-authoring the book: Six Sigma: Advanced Tools for Black Belts and Master Black Belts (John Wiley).

A registered professional engineer and a GE-certified Six Sigma instructor, Prof Goh has three decades’ track record in teaching, research as well as consulting and training in a wide spectrum of industrial organizations.

LC TANG, Ph.D
Dr Tang, a Professor in NUS, obtained his BEng (1st class honours) in Mechanical Engineering, MEng in Industrial Engineering, both from NUS, and MSc and Ph.D degrees from Cornell University in the field of Operations Research. Dr Tang has been widely consulted by companies such as Airwell Group BAT, Hewlett-Packard, Ministry of Defence, Productivity and Standard Board, Seagate Technologies, TECH Semiconductor and United Premas, on subjects ranging from Six Sigma to operations planning and control. In addition to the above consulting clients, Dr Tang has provided training to CIBA Vision, Dorma, DSTA, MICRON, National Semiconductor, Philips, Siemens, etc. To-date, more than 2000 engineers, from Singapore, Malaysia, Thailand, China, USA, Indonesia have been trained in the areas of Six Sigma, Design for Six Sigma, Operations Analysis and Reliability Engineering.

Back in NUS, Prof Tang has vast experience in curriculum development and setting strategic directions. He is currently the Head of the ISE department.

Course Fees
S$6,800 per person inclusive of course notes, meals and training facilities.

Contact Person
Email Mr Cheah Kok Keong: engekk@nus.edu.sg
Phone: +65 6516 5113

Certification of Attendance will be issued to qualified participants
REGISTRATION FORM
Six Sigma Master Black Belt: 28 March to 5 April 2011 @ Singapore
No lesson on Sunday, 3 April 2011
(Fee: S$6,800/pax)
Fax: (65) 6874 5097

Name of Participant(s): Dr/Mr/Mrs/Ms:
(Attach your name card, if any)

Designation:

Name of Organization:

Address:

Contact Person:   Email:

Tel No (O):     Fax No:

Dietary Preference: No Pork, No Lard / Vegetarian

Payment is required prior to the course. Two simple modes of payment:
- Crossed cheque/Bank Draft should be made payable to “AQ21 Pte Ltd” and mailed together with the registration form to the mentioned address.
  Cheque / Bank draft No.:
  Amount (S$) :
- For TT transfer, please use
  Swift code : UOVBSGSG
  Bank code : 7375
  Branch code : 026
  Account number : 126/309/308/4
  Name of Beneficiary : AQ21 Pte Ltd
  (Note: AQ21 is not GST registered)

Closing Date: 11 March 2011

Authorized Signature / Company Stamp

Participants are required to bring their own laptops for in-class hands-on sessions.