

Statistical Quality Control Research & Applications Group (SQCRAG)

This group was formed in 1985 with the purpose of promoting the use of Statistical tools for Process Improvement through academic research, industrial training, support of students and the acquisition of library materials. Many department faculty members have joined the group to expand their research activity to the field of Quality. One of the group's strongest contributions besides research is providing workshops in TQM (Total Quality Management), SPC (Statistical Process Control), Reengineering, QI (Quality Improvement) and DOE (Design of Experiments) for local companies as well as providing consultation to local industry. Since 1987, the group has staged more than 90 workshops and training sessions for various companies from manufacturing and service industries to government agencies. We have expertise in the field of quality and the teaching experience to conduct these workshops in a very effective and practical manner. Being a local group we can easily provide our clients with ongoing consultation after the training sessions have been completed. The following is an example of the content of a workshop. We can customize the workshop material for any client given their particular environment and application requirements.

Quality Improvement Workshop

This workshop will focus on the Quality Improvement philosophy, and the use of statistical techniques for monitoring, analyzing and improving Quality. Basic SPC tools will be illustrated — including flow charts, cause & effect diagrams, histograms, check sheets, location plots, scatter plots, run charts, Pareto diagrams and control charts. A hands-on approach will be emphasized through the use of many training tools and exercises. Basic statistical concepts will be introduced as required, so that attendees will achieve a solid understanding of the basic principles of Statistical Process Control (SPC). This workshop is aimed at those with little formal training in SPC, and those who need reinforcement or review.

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