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"We Engineer the Quality of Your Success"

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DOE DOES DELICIOUS DESIGNS

CLIENT'S SITUATION

A community college had seventeen students from widely varied backgrounds with ages ranging from 20 to 52 years old. Their education varied from some high school to recent technology graduates. The college needed someone to develop and present a course on Design of Experiments (DOE) and Reliability to complete the students' training as Quality Practitioners. The students will eventually use DOE and Reliability to help their future employers optimize manufacturing processes and better understand why and how a process works.

PQA'S TASK

On short notice, PQA had to develop and customize a training course that would give the students hands-on experience in DOE and reliability.

PQA'S ACTION

PQA developed and presented a course that showed the how and why of DOE and Reliability. In order to choose the most important DOE factors, the students designed & conducted a market survey. Students got a real taste of DOE when they designed an experiment that would optimize the power and time factors for cooking an egg in a microwave oven.

CLIENT'S RESULTS

The college met its commitment to provide specific skills in DOE and Reliability while the students developed self-confidence by succeeding in a challenging topic. By working together, the students developed their problem solving and team working skills.