

A solid orange horizontal bar.

Critical Thinking Foundation of Problem Solving

“We can not solve our problems with the same level of thinking that created them”
— **Albert Einstein**



About this course

We are frequently given opportunities to grow, presented in the form of problems to solve. However, much of thinking left to itself could be biased, distorted, partial, uninformed, downright prejudiced which could lead to firefighting problems. Our ability to solve problem effectively would depend on how we use good reasoning to analyze information, sound evidence through critical thinking.

This fun filled course is created with the purpose of :-
build your foundation problem solving skills
cultivating critical thinking with a step by step approach
decision making for you to lead a quality life

A quality life is build on quality decision



Delivery Methods



Live online class
7 hours (2 days X 3.5 hr)



Quiz and brain teaser
exercise sessions



Case study interactive
discussion

Target audience



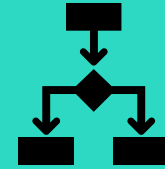
Manufacturing/production manager



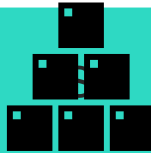
Line supervisor



Quality manager or engineer,



Process/engineering manager,



Supplier Quality engineer/manager



Technician



Suitable for company who wants solve problem effectively

COURSE OBJECTIVE



By the end of this course, student will be able to :-

- Understand what is critical thinking and its elements
- What it takes to be critical thinker
- Apply critical thinking in each problem solving steps
- Cultivate personalize critical thinking skills
- Solve the problem effectively



Course Outline – Day 1(3.5h) – 2(3.5h)

- Definition of critical thinking and importance of critical thinking
- Elements of critical thinking
 - Generate purpose
 - Raise questions
 - Uses information
 - Make inferences/Conclusion
 - Utilize concepts
 - Make assumptions
 - Generate implication
 - Embodies point of viewSituational exercise to understand the element better
- Infuse Intellectual standards into critical thinking
Clarity, precision, accuracy, relevance, depth, breath, logic, fair and significant
- Virtue of critical thinker
- Home work self assessment critical thinking

Course Outline – Day 3(3.5h) – 4(3.5h)

- Different personality strength in critical thinking,
- Barrier to critical thinking with brain teaser situational exercise
- Step by step critical thinking
- Apply critical thinking in each step of problem solving
- Case study and discussion
- Group presentation
- Cultivate critical thinking (diet, lifestyle and according your personality)



About The Trainer

- An Engineering & Quality professional with 30 years of experience in multiple industry electronic, aerospace and food
- Passionate on problem solving by applying my knowledge quality engineering and lean to create systematic model base approach to solve problem
- Had worked with more than 100 suppliers such as LG, Panasonic, Motorola, Samsung across the globe
- Had trained > 100 of engineers and managers Asia, US and Brazil.
- Written 4 books @ Amazon
- Udemy Instructor rating 4.56

Evelyn Tan
MSc, PMP, LSSBB, CQA



Book author,
Course designer
Course instructor
Consultant

RITA HUANG
DELL SQE MANAGER

I've attend Evelyn's training on SPC, GRR, Green Belt six sigma. Moreover, I complete a SPC project with Evelyn as my mentor. Among these training and daily guidance for the project, I get a good start on my career development as a SQE. Evelyn always show great insight on the how to transfer statistical theory into practice and make it come true. Many vivid examples and best practice sharing are given in training. And I'm so impressed that a good teamwork is encouraged in sixsigma green belt training section. One behalf of team to do the presentation of our practice result, I not only have a better understanding on the DMAIC method but also know how to balance resources to overcome obstacles in a project with the help of team members. When we meet the bottleneck in the SPC project, Evelyn use her great profession to find another way, the short run SPC, to solve the problem when multiple subgroups both exist in one production line, finally the short run SPC is deployed for real-time monitoring on the solder paste process. As a student, I'm inspired by her passion and drive-to-result spirit and I'll keep practicing and studying the methodology that she delivered to us.

JARON ZHUANG
DELL SQE MANAGER

Evelyn is very Knowledgeable in quality engineering fields and professional for training, we have good interaction during the training so we are easy to understand the training contents. We have learned a lot of skills through the training and all these are useful and helpful for our daily job. We are really appreciate her with knowledge sharing to help us growing and developing continuously.

Testimonials

On my courses

DAN SUN
DELL SQE MANAGER

Evelyn is one of the most professional SQE in Dell (also one of my role model), she is knowledgeable, but the most important thing is Evelyn would like to train you and share her knowledge and good experience with you. Evelyn is my LEAN teacher, before I joined her training of LEAN, most of work I did before/ in pre-jobs was focus on improve product performance and reduce variation, but she taught me what TIMWOOD is and let me understand how important eliminate 7 wastes. That help me changed my mind to my work.

JOY CHANG
PROGRAM MANAGER ENGINEERING
ACADEMY

Thank you so much for coming to Taiwan and delivering the "Basic of DOE" workshop to engineering academy last week!! I talked to few learners after the session, and they all felt that the class was very useful and can help them doing their jobs. I am looking forward to your next visit again