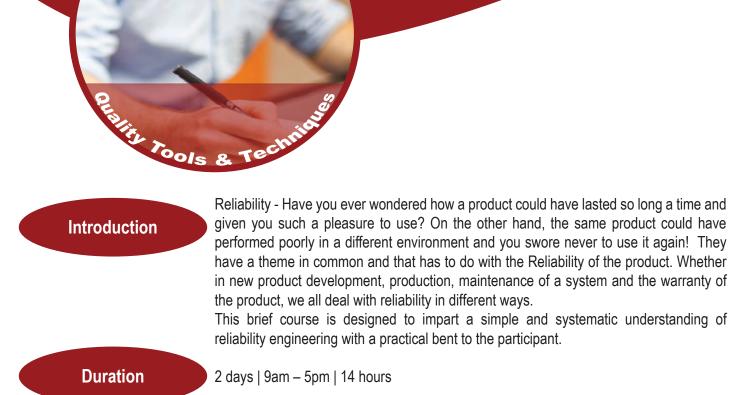
APPLIED RELIABILITY



This course is suitable for managers, engineers, engineering assistant from the Production, Process, Quality, Maintenance, Research & Development and Operation areas.

Participants should have basic knowledge of statistics and bring along a scientific calculator.

Course Fees

Who should attend

Entry Requirement

Member: S\$570.24 Non-Member: S\$635.04 Registration Fee of S\$17.28 apply All fees stated are inclusive of 8% GST

Award of Certificate

Certificate of Completion will be issued to participants who have attended at least 75% of the course.







Course Contents

- The evolution of Quality and Reliability
- · Reliability and it's relation to Quality
- What is Reliability? And how it's different from Quality
- How does Quality affect Reliability?
- · Definition of Reliability and what does it means?
- Does it make business sense anymore to have it more "reliable"?
- Perceptions of Reliability. How does one define reliability in quantitative terms?
- MTTF and MTBF
 - Dangers of mis-using MTBF / MTTF. How not to use this term wrongly.
- Censoring Data; dealing with the lefts and rights of it.
- Failure rates and the Bathtub curve.
- Decreasing, Increasing and Constant failure rates. What does it all mean?
- The Weibull in action! An all in one solution?
- Probability Series, Parallel or mixed systems.
- Building-in redundancy in products.
- Fault Tree Analysis
- Reliability Apportioning or Allocation
- Increasing the reliability of a system. Back to Quality!
- Maintenance and availability.
- Coming up with a replacement strategy
- How warranty costs make a lot of business cost sense?
- Reliability the many facets of engineering and operations.
- Product Reliability Qualification Phases. How it all adds up? E.g. HASS / HALT / ALT
- Reliability in Production Ongoing Reliability Monitoring or Testing (ORM / ORT)



Please refer to this URL https://www.sqi.org.sg/courses/ or QR Code for soft copy and updated training schedule

Membership Application

Register membership online at **www.sqi.org.sg/membership-join/** or contact us to get the membership application form.

Membership Categories:

- ~ Organisation membership
- ~ Individual membership

SQI International is a subsidiary of Singapore Quality Institute (SQI). SQI operates as a non-profit professional institute that promotes and advances excellence in the field of quality in Singapore; and actively champions quality initiatives in the region and around the world through networking and collaborating with other international quality organisations.

SQI is a World Partner of the American Society for Quality (ASQ); and a Board Member of both the Asian Network for Quality (ANQ) and the World Alliance for Chinese Quality (WACQ).









