RELIABILITY ENGINEERING

22 - 23 November 2022, Bengaluru

The Indian Industry is being resuscitated and rechristened from challenges arising due to stringent emission norms, pandemic related crisis, liquidity crunch to mention a few punitive impacts. The growth trajectory with specific reference to the manufacturing sector has exhibited enough buoyancy and resilience in terms of phenomenal growth and the trend across several manufacturing sectors provide ample evidence to justify the findings. The product manufacturers, in particular continue to adopt newer strategies to stay and flourish ahead of the competition. **RELIABILITY ENGINEERING**, one of the most widely deployed methodologies across the world is a quantitative study of the reliability of any product, starting from the conception all through Prototype, Development, Testing, Manufacturing and Services.

KEY TAKEAWAYS



Quickly perform system level Reliability and Analysis



Compare/ Calculate Present State of Performance vis~ a ~ vis Customer's Wants & Needs



Methods to reduce Warranty Returns



Analyze the Product Performance level



Optimal Parts Replacement Interval

KEY FOCUS PREPS

- RAMS calculations
- Product Reliability Calculations
- Reliability Validations
- Warranty Analysis
- Failure Rate / Repair Rate / Hazard Rate
- Reliability Block Diagrams
- Redundancy ~ Serial, Parallel, Mixed
- Boolean Truth Table
- Complex RBD Calculations
- Life Data Analysis
- Weibull, Exponential, Normal, Log Normal distributions
- Parameter Estimation
- Reliability Testing ~ HAAS, HALT
- THIS 2 DAY RELIABILITY ENGINEERING Course is designed to enable the participants to understand and apply the principles in their Products/Internal Assets as a means of enhancing the Top line / Bottom line growth.
- Case Study working by individual participants to understand the RE principles better.
- This is a 100% application oriented Course focusing on the transfer of RE principles to the Product Development and to Shopfloor Asset Management.



FACULTY Sivanarul Selvan P

As a global consultant, Mr Sivanarul Selvan, is engaged since 3 decades + in consulting, Training and implementing RELIABILITY ENGINEERING in many of the domestic

Fortune 100 companies spanning Aerospace, Process / Heavy Engineering, Pharma / Food Processing, Automotive, Railways etc from the Product Conception to Field Services, with extended domain expertise in LIFE TESTS: ALT/HALT/HASS/MEOST/Warranty Analysis

WHO SHOULD ATTEND?

This 2 ~ day course is absolutely relevant to companies implementing TPM at any level (Beginning stage up to World Class Level) applying LEAN, Six Sigma, TQM, etc. involved in any type of Product Manufacturing. A must attend for Senior management / Middle management members from:

- New Product Development
- Customer Service Support
- Quality Assurance / Quality Control
- Reliability Engineering
- Production & After Sales Support
- Plant Engineering & Maintenance



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Pre registration is mandatory

10% discount for delegates registered for 30th Excellence Summit Certificate will be issued after completion of the program