

Reliability Engineering Basics

Date: 2021
Venue: webinar

The goal of the course is to give the engineers a basic understanding of Reliability engineering techniques and practical tools to support product/ system design. The students will be familiarized with the Reliability terms, methods and concepts. Prior knowledge of the basic statistical methods will be helpful. **Bring a scientific calculator with you.**

Reliability Engineering Basics	
9:00	<i>WELCOME and introduction</i>
9:05	1. Basic Terms and Concepts <ul style="list-style-type: none">- Terms, concepts and parameters- Reliability calculations: Failure rate, MTBF, MTTF, MTTR
	2. Reliability of Systems: RAM <ul style="list-style-type: none">- Series and Parallel systems- Repairable and Non-repairable systems
11:30	<i>LUNCH</i>
12:00	3. Reliability and Risk Analysis methods <ul style="list-style-type: none">- Overview of the most widely used analysis methods
	4. Reliability of Electronics <ul style="list-style-type: none">- Failure modes of electrical components- calculation of MTBF: FIDES, Parts count and MIL-217 methods- Basics of Reliability Testing
	5. Reliability Management <ul style="list-style-type: none">- Reliability Engineering activities and timing in Product Development
14:00	<i>CONCLUSIONS, discussion</i>

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Price: eur/ team. Included: materials in pdf.

Cancellation: Cancellation latest 1 week before, after that 50 % fee is charged.
A person may be substituted by another. If the cancellation is not made, the whole fee will be charged.