

Subir Chowdhury School of Quality and Reliability
IIT Kharagpur

Date: Jul 04, 2023

To

Dr. Vijayalakshmi Urs K
HR Manager
Skanray Technologies Ltd.
Mysore, India

Subject: Training on Reliability Engineering to Engineers of Skanray Tech. Ltd.

Dear Madam,

We are pleased to submit our quotation for two day training in the area of Reliability Engineering as per the below terms and conditions.

Course Contents

Please refer to training program details in modules attached herewith in Appendix. The course shall have delivery of lectures, in class exercises, and assignments. The course contents shall be delivered by the faculty members of IIT Kharagpur.

Cost

The amount for our services described above is:

- Training Fee: INR 2,50,000.00 + GST

This fee includes IIT overhead of 20% deduction on training fee. GST shall be charged as per government rules. Current applicable rate of GST is 18%. Any bank transaction charges or commission shall be paid by the client. Payment shall be made to IIT Kharagpur bank account. The account details shall be communicated later.

The training can be offered in both online and offline modes. To conduct offline training, travel, local hospitality and accommodation is to be arranged and paid by the client in actual.

Number of Participants

This training can accommodate up to 30 numbers of participants.

Training Material

- Language of training sessions will be English.
- Soft copy of training material shall be provided to trainees.

Schedule and time shall be worked out on mutual convenience and agreement.

With best regards,

(Prof. V.N.A. Naikan)

Appendix: Training Sessions

Day 1	Session 1 (9:30 AM - 1:00 PM)	<p>INTRODUCTION TO RELIABILITY</p> <ul style="list-style-type: none"> • Reliability Terms and Definitions • Times-to-Failure Distribution, Reliability, Conditional Reliability, Failure Rate, Mean Life, MTTF, MTBF, Median Life. • Bath-Tub Curve • Non-Parametric Estimation: Estimating reliability terms from Time to Failure Data
	Session 2 (2:00 PM - 5:30 PM)	<p>IMPORTANT CONTINUOUS DISTRIBUTIONS</p> <ul style="list-style-type: none"> • Continuous Distributions: Exponential, Weibull, Normal, Lognormal etc. • Fitting distribution to Time to Failure Data to estimate distribution parameters
Day 2	Session 3 (9:30 AM - 1:00 PM)	<p>RELIABILITY PREDICTION</p> <ul style="list-style-type: none"> • RIAC 217 Plus with examples • Other standards brief <p>RELIABILITY BLOCK DIAGRAM</p> <ul style="list-style-type: none"> • Series, Parallel Systems • k out of m systems • Standby Systems • MTTF calculations for different systems
	Session 4 (2:00 PM - 5:30 PM)	<p>RELIABILITY TESTING</p> <ul style="list-style-type: none"> • Accelerated Life Testing • HALT/HAST Testing
<p>NOTE: MS Office applications will be used for various purposes.</p>		