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Introduction To Reliability Engineering By

The objectives of reliability engineering, in the order of priority, are: 1. To apply engineering knowledge and specialist techniques to prevent or to reduce... 2. To identify and correct the causes of failures that do occur,... 3. To determine ways of coping with failures that do occur, if their ...

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Basic Reliability is an invaluable resource for anyone who wants to work in Reliability Engineering or has a project that has to be completed with the principles of Reliability. Author Nicholas Summerville brings over 15 years of Reliability, Quality, and Safety Engineering to light in this easy to understand book.

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It is a known fact that reliability program increases the initial cost of every device, instrument or system and also it is true that the reliability decreases when the complexity of the system increases. In this type of complex situation, reliability of a product or service is best assured when it is designed by the design engineer and built in by

CHAPTER 1 INTRODUCTION TO RELIABILITY

Reflecting the interdisciplinary nature of reliability engineering, draws examples from many branches of the field, but assumes no specialized knowledge or previous exposure to probability or statistics. Does require the standard physics and chemistry, lower-level engineering, and mathematics through ordinary differential equations.

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