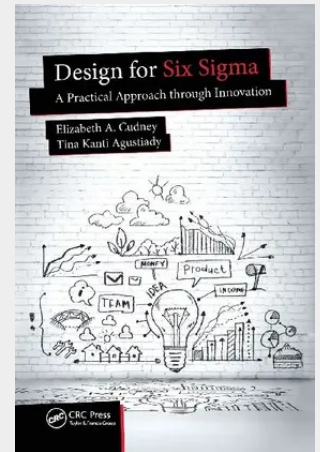


Design for Six Sigma

A Practical Approach through Innovation

Design for Six Sigma (DFSS) is an innovative continuous improvement methodology for designing new products, processes, and services by integrating Lean and Six Sigma principles. This book will explain how the DFSS methodology is used to design robust products, processes, or services right the first time by using the voice of the customer to meet Six Sigma performance. Robust designs are insensitive to variation and provide consistent performance in the hands of the customer. DFSS is used to meet customer needs by understanding their requirements, considering current process capability, identifying and reducing gaps, and verifying predictions to develop a robust design. This book offers: - Methodology on how to implement DFSS in various industries - Practical examples of the use of DFSS - Sustainability utilizing Lean Six Sigma techniques and Lean product development - Innovative designs using DFSS with concept generation - Case studies for implementing the DFSS methodology Design for Six Sigma (DFSS) enables organizations to develop innovative designs. In order to redesign an existing process or design a new process, the success is dependent on a rigorous process and methodology. DFSS ensures that there are minimal defects in the introduction of new products, processes, or services. The authors have compiled all of the tools necessary for implementation of a practical approach through innovation.

Design for Six Sigma (DFSS) is in demand for new processes and companies looking to innovate. This book will explain how the DFSS methodology begins with defining the problem or opportunity which then leads to two paths: 1) If it has never been done before, design it right the first time using DFSS. 2) If it already exists and needs to be fixed,



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