
PM WORLD BOOK REVIEW



Book Title: ***Applying Lean Six Sigma in the Pharmaceutical Industry***

Author: **Bikash Chatterjee**

Publisher: **Gower publishing**

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Introduction

According to the author, this book is designed to provide a glimpse into how the theory behind Lean Manufacturing and Six Sigma relates to the pharmaceutical environment. This book takes the theory of Lean Manufacturing and put it into action.

Overview of Book's Structure

Each chapter of the book starts the discussion around the major principles to consider for the application of LSS concepts and tools and then concludes in a case study application for that concept or tool.

This book is organized to reflect each major work centers in the drug development life cycle. It starts with product life cycle & quality philosophy and then focuses on each major area such as, product development, analytical laboratory, pilot plant, and manufacturing floor. It ends with a chapter on the framework for process analytical technology.

Highlights

Although there are numerous case studies available from different industries, pharma industry has been slow in deploying this methodology. This book provides some insights into the considerations that are necessary to be successful in deploying Lean Six Sigma in pharmaceutical industry.

Highlights: What I liked!

This book demonstrates the application of Lean Six Sigma in all major steps of drug development life cycle.

Book has a plenty of good graphics and templates demonstrating the application of Lean Six Sigma in the real world. This makes the reading of case studies much more alive than just reading the text.

Who might benefit from the Book?

This book is helpful to pharmaceutical industry leaders, practitioners of Lean Six Sigma, and some project managers in the industry.

Conclusion

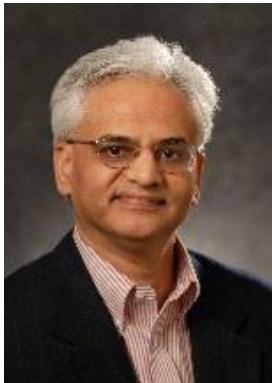
This book is a good read for pharma industry professionals. I would have liked to see a better demonstration of project management tools and approaches in addition to Lean & Six Sigma as they are very important in the success of such projects in pharma or any other industry.

Author emphasizes the importance of culture and change management at multiple points in the book but the book lacks the specifics of how to make a successful cultural change for an organization.

For more about this book, go to: <http://www.ashgate.com/isbn/9781472425218>

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About the Reviewer



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Arvind Tripathi is a Lean Six Sigma Master Black Belt & Continuous Improvement Coach at Flowserve in Dallas, Texas, USA. He is a Project Management Professional (PMP), Lean & Six Sigma Master Black Belt (MBB), and a Certified Manager for Quality & Organizational Excellence (CMQ/OE) from American Society for Quality (ASQ) with 20+ years of professional experience in project and program management.

Arvind has delivered impressive business results in Aerospace, Automotive, Chemicals, Management consulting, Oil & Gas, Technology and Service industries. He has an MBA in Finance from Wichita State University, MS in Engineering Management from the University of Oklahoma and BS in Mechanical Engineering from India. He has been active in PMI, IIE, ASQ and a past National Baldrige Examiner.

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