

Lean Manufacturing in Pakistan: A Comprehensive Review

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Abstract

This study is conducted to explore the potential of lean manufacturing practices in the Pakistani Industry. It is observed that unlike the other developed countries, very few studies are conducted to explore the potential of lean manufacturing practices in the Pakistani Industry.

At the initial stage the rigorous search is conducted to search the sufficient relevant data from the research journals, books, conference proceedings, magazines and the internet. After the initial search the most relevant and authentic data is selected for further process. After the appropriate selection of the most relevant and authentic data, the selected data is sorted to conduct the initial data analysis.

After the successful initial data analysis the detailed analysis is conducted. During the detailed data analysis, the lean manufacturing practices are identified in the context of Pakistani Industry. Later, the lean manufacturing practices are short listed on the basis of the frequency and the scope of potential in the Pakistani Industry.

Most relevant and suitable case studies are also discussed to explain applications of these selected lean manufacturing practices in the Pakistani Industry. In the conclusion, the most notable lean manufacturing practices in the context of Pakistani Industry are identified and discussed in detail. Also, the applications of these lean

manufacturing practices in the Pakistani Industry are discussed with the help of suitable examples and related case studies.

Keywords

Lean manufacturing, review, applications, Pakistan, Industry.

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Biographies

Muhammad Ali Khan currently works as Assistant Professor in the Department of Industrial Engineering and Management, Mehran UET, Jamshoro, Sindh, Pakistan. He has sixteen years university teaching experience. He has supervised more than a dozen theses at undergraduate level. He is pursuing his PhD in the same department. He has completed his Bachelor of Engineering, Post Graduate Diploma and Master of Engineering in Industrial Engineering and Management. He has also completed his MBA in Industrial Management from IoBM, Karachi, Pakistan. He has authored various research papers for conferences and journals. He has participated in many professional seminars, workshops, symposia and trainings. He is registered with Pakistan Engineering Council and many other professional bodies. He does research in diversified fields of Industrial Engineering. The current projects are related to Lean manufacturing, Six Sigma, Project management, Operations management; MIS and Entrepreneurship. He has also earned various certifications in his areas of research.

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