

Proposal for Gemba-Kaizen Implementation to Enhance Efficiency in the Medium-Scale Bus Body Fabrication Industry

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Authors

S. Balakrishnan

 Francis Xavier College of
Engineering, Department of
Mechani

K. Senthilkumar

 PSG Institute of Technology
and Applied Research,
Department

V. Rajkumar

 PSG Institute of Technology
and Applied Research,
Department

J. Jerold John Britto

 Ramco Institue of
Technology Rajapalayam

Abstract

The basic needs of people are met by the building, fabric, and farming sectors. In addition, the automobile industry significantly contributes to human mobility and is essential to India's economic expansion. There are numerous research strategies available to improve the bus body building industries. Several investigative approaches for enhancing bus body building industries are available. However, several of these studies merely look at it from the perspective of shop floor activity. Accordingly, when it comes to the execution of process design approaches, there is little practical evidence for accepting Gemba kaizen's attitude. Hence, the purpose of this article is to present a continuous improvement redesign framework tailored to a specific bus body building industrial sector. The proposed model is structured after a critical examination of Gemba and Kaizen. The results showed that by implementing the improvement initiatives, the number of process activities decreased from 44 to 25 (of which 43% were wasteful), and the cycle time decreased from an average of 112 hours to 68 hours, or 39% faster. The outcomes also show how the suggested model helped organizations reduce resource usage and enhance organizational effectiveness.

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Affiliated or Co-Author

 Francis Xavier College of Engineering, Department of Mechani PSG Institute of Technology and Applied Research, Department
Ramco Institue of Technology Rajapalayam

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