

عنوان مقاله:

Study and Implementation of Lean Manufacturing in a Garment Manufacturing Company: Bangladesh Perspective

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نویسندگان:

Ripon Kumar Chakraborty - Assistant Professor, Department of IPE, RUET, Rajshahi-6۲۰۴, Bangladesh

Sanjoy Kumar Paul - Assistant Professor, Department of IPE, BUET, Dhaka-1۰۰۰, Bangladesh

خلاصه مقاله:

Lean manufacturing is a systematic approach to identifying and eliminating wastes (non-value added activities) through continuous improvement by conveying the product at the pull of the customer in pursuit of production. In a more basic term, more value with less work. Since lean manufacturing eliminates many of the problems associated with poor production scheduling and line balancing, lean manufacturing is particularly appropriate for companies that do not have ERP systems in place or do not have strong material requirements planning (MRP), production scheduling, or production allocation systems in place. This is particularly significant in Bangladesh, where many private Bangladeshi garment manufacturing companies are operating significantly below their potential capacity, or experiencing a high level of late-deliveries, due to problems with their current production scheduling and production management systems. Considering all those facts this paper provides a roadmap as well as a framework to those manufacturing companies who are really operating significantly below their potential capacity. In this work, the existing layouts were studied and then layouts are proposed to enhance the production system and value stream mapping (VSM) is used as a basic lean manufacturing tool and some cellular manufacturing philosophies to find out the improved level of performance and productivity particularly in the garments section of Bangladesh. At the final stage, research work is reinforced by using a simulation software ARENA to judge the sustainability of proposal

کلمات کلیدی:

Lean Manufacturing; Cellular Manufacturing; Value Stream Mapping; Productivity

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