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This paper has demonstrated how to develop a simulation model using Arena simulation software with proper input parameters. Based on the modeling results, it is proved that the whole-body shop assembly processes can be modeled to analysis the plant throughput. This simulation study accurately predicted the throughput based on the system uptime and downtime data. Further investigation is needed to understand the effects of the other variables such as buffers and line balancing of the upstream and downstream processes.

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Biography

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