

Employee Utilization and Process Efficiency

Dept. of Engineering Technology

I have conducted my research at Joplin Workshops, INC on behalf of the Engineering Technology Dept. of Missouri Southern State University. Their employees mostly consist of people with varying developmental disabilities. They have a couple of assembly processes that require someone with higher functioning capabilities, which there are a limited number of, and that makes it difficult to schedule production. I have followed the DMAIC model of Six Sigma methodology to identify key issues and points where improvements can be made. I have implemented changes that will give them the ability to schedule employees with lower functioning capabilities to do these assembly processes and increase their throughput.

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