Part A: Value Stream Mapping and Analysis

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JWMI 550

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April 26, 2020

Operations management

The relationship that an organization develops with the customers is essential for ensuring that the department can reduce most of the challenges that may hinder its performance (Maletič, Maletič & Gomišček, 2018). The assessment of the measures that may affect the performance of the organization is an imperative approach that may allow the management of any department to reduce the chance of failure that may make it hard for the department to arrive at its needs. In the production and distribution sector of an organization, the creation of tools that may lead towards the assessment of the general requirements of the market plays an essential role in allowing the department to create measures that may improve the production process.

Information flow

Second process

Third process

Fourth process

First process

Inmates

Production process

Production of correction services

Product flow

LT hours hours

timeline

minutes minutes PT

In this organization, the processing time involved is a critical consideration that is needed to facilitate the performance of the department.

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| --- | --- |
| Process time | 10 hours |
| Lead time | 13 hours |
| Percentage completed and accurate | 98% |
| Number of operators | 6 |

Total lead time= 13-10 =3

Total processing time = (10\*6)/13=4.6

Activity ratio =10/6=1.667

Rolled C&A =(10)/13 \*100=77%

Based on the operations of the organization as well as the approaches that the department uses to deal with the challenges that are likely to affect its productivity, the organization is at a high position of meeting its needs. Delays, in most cases, may have a negative influence on the rate of performance of the department. For that reason, the management of this organization has an influential approach to managing the delays that may occur as well as the issues linked with the delays. The value stream can be described as excellent. In the cases where an error may occur, the organization have adequate means of ensuring that the errors are well corrected, thus reducing the negative issues linked with the mistakes (Reason, Hobbs, 2017). The organization, as a result of this, is, therefore, able to overcome most of the challenges linked with a poor relationship with the inmates.

References

Maletič, M., Maletič, D., & Gomišček, B. (2018). The role of contingency factors on the relationship between sustainability practices and organizational performance. *Journal of Cleaner Production*, *171*, 423-433.

Reason, J., & Hobbs, A. (2017). *Managing maintenance error: a practical guide*. CRC Press.