The Application of 5S's Workplace Organization at an Egyptian Flexible Packaging Factory

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Abstract:
In order to utilize the 5S activities as an application of workplace organization to assist one of Egyptian flexible packaging factories in improving efficiency and maximizing actual time, the production department has been selected to implement the 5S's workplace organization to evaluate the validity of these actions. It was logical to implemented the plan of 5S's activities that thought to be agreeable with the managers to change operators’ background culture of these procedures. An experimental and analytical approach has been used to organize the teamwork members for implementing 5S's activities. The cause-and-effect diagram has been analyzed for production floor analysis. Later, data collection methods have been used to ensure right implementation of the 5S's. This has been analyzed prior to the implementation of “5S”, which resulted in overall improvement of the factory performance. With the implementation of “5S's”, major benefits in the form of the time saving have been achieved. Time has been reduced and the change-over of job order from 120 minutes to 30 minutes. “5S's” audit score has been increased from the first time to the fourth time, which reflected in a cost cut. On the other hand, implementation of 5S activities can be considered as a parallel development case that can be achieved in all workstations in this specific factory or others to achieve continuous improvement policy.

Keywords:
Continuous improvement policy
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Cause-and-effect diagram
Standard operating procedures (SOPs).

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