



جامعة الجميع الذكية
EVERYONE'S SMART UNIVERSITY

Everyone's Smart University

Project (Spring 2021)

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Section

Master

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(PMG510)

Advanced project Management

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Introduction :

This project is about the cars and trucks spare part. And as a distributor for the Mazda, Aston Martin cars and Man trucks in the middle east. The company of Alhaji Hussin AlirezaCo & Ltd. The company has reached of time since the company has been established and awarded from Mazda company as an exclusive distributor and leader inside middle east region. My role inside the HHA company is parts Manager. , I have ensured procurements contract and finish up deals, mission, and objectives of supplier orders from Japan. In these roles, I have fulfilled the duties of CRM, warehouse management, as well as composed reports covering various updates to the regional management. I am also tasked with certifying that my work is compliant, reliable, and supportive of senior management confidence. In my opinion, the goal of this research is to share the experiences of the risks in supply chain management (Kanban).

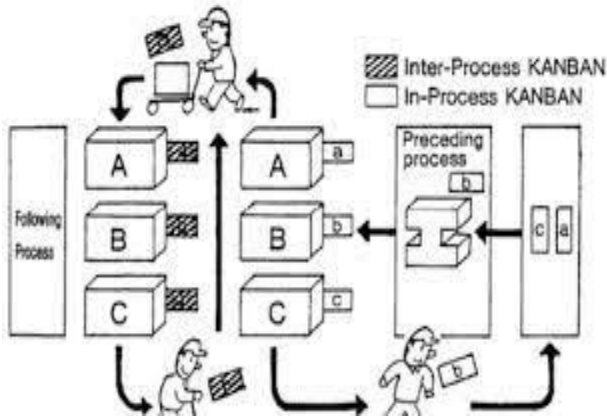
Literature Review :

There are few studies that can show the importance of Kanban Sys as it explain and clarify the problem as well. "This paper considers an inventory-routing problem in a distribution network in which kanban is used as a means to implement just-in-time strategy. There are a set of part suppliers and cross-docks in this network, which provide parts for an assembly plant. A novel mixed integer non-linear programming formulation is developed for the problem in which the optimum number of kanbans is determined considering inventory and transportation cost. In the other word, this research aims at reducing the level of inventory and transportation cost in a kanban controlled supply chain system, in which the number of kanbans is to be determined optimally considering demand from suppliers and geographical distribution of them. A fleet of vehicles is applied to transport kanbans from suppliers to the assembly plant via two transportation strategies: direct shipment and shipment through cross-docks (indirect shipment). In the second strategy, it is possible to have routes between suppliers. The proposed problem is NP-hard based on literature, thus a memetic algorithm is introduced to solve it. Solving several examples reveals that the solving method significantly outperforms GAMS/CPLEX in reducing objective value and computational time."

Methodology:

On the other hand of the studies where the methodology or tools, "Companies which are unable to experience the complete benefits of the Kanban system are usually so because of improper or incomplete application of the process. The Kanban method is backed by research, and numerous studies have shown the positive impacts of Kanban.

- **Flexibility of Kanban boards:** The Kanban system is nothing but a method of efficient communication and signaling. It can be used across multiple industrial sectors and is extremely flexible in application. This means that companies can choose to make minor adjustments in the Kanban board to suit their organization's culture and work practices better. Added to this, Kanban systems are completely compatible with scaling and can easily adapt to changes in size and extent of operations.
- **Continuous improvement:** Continuous incremental improvement is one of the core features of Kanban. All the processes must be continuously audited for quality and productivity, and minor flaws should be continuously identified. The clear visual format of Kanban allows project managers to see how the workflow is progressing and make the necessary changes and improvements. To achieve more than the set standards is one of the core principles of Kanban
- **Improve productivity and reduce costs:** Since Kanban is based on the pull or generation of demand, the inventory that is maintained is completely lean, which results in cost saving. Added to this, Kanban optimizes all the process, checking their resource consumption and enhancing their productivity.



Result :

To sum up, it is clear that different systems inside companies are differ from one to another and from one country to another as well. Kanban has been approved and well used according to the supply chain system related to the spare parts car. As a result, this research supports the main idea of this paper. As it shows that Kanban style has accepted the risks as a part of the project management plan.

References:

<https://link.springer.com/article/10.1007/s12351-018-0421-2?shared-article-renderer>

<https://thinkingportfolio.com/top-6-benefits-of-kanban-board/>