Supply Chain Management Information System Model for Product Management for the Bank of Thailand

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***Abstract*—The paper aimed to develop supply chain management information system model for product management for the bank of Thailand and an evaluation of the model. A Samples are ten experts in the field of supply chain. The data is analysed by means and standardized deviations. The research result shows that the model consists of six elements namely main components, Supplier, Manufacture, distributors, retailers and Customer. the assessment of supply chain management information system model for product management for the bank of Thailand using Black-Box technique and the result of the assessment of supply chain management information system model for product management for the bank of Thailand is appropriate at the high level The model can support information system development.**

***Keywords*—** *Supply chain management information system model, product management, bank of Thailand*

1. Introduction

The present crisis has compelled the banks to make important modifications in order to cope with the new reality. The services provided in Thailand for the Bank are highly intricate. Improved banking product management is the solution to this complexity. The current situation has compelled the banks to make important modifications in order to cope with the new reality. Those services provided in Thailand for the Bank are exceedingly intricate. Improved banking product owner is the solution to this complexity. Targeting a certain consumer segment and offering them the appropriate product and service proposition is the essence of product management. It attempts to offer cutting-edge services at affordable rates while taking into account the associated business risks. Effective product planning also entails selecting the appropriate.[18] Trade is one sector to which supply chain management information system is utilized. Depending on the constraints or limitations imposed by the group's technology and resources, it will be optional. because there is an increasing need for the business and industrial sectors to be highly competitive given the level of competition from both inside and outside the nation. Organizations in the sector must have employees with the necessary aptitude, and skills who can work effectively to boost productivity and products if they want to remain highly competitive. So, the firms should have the knowledge and resources to raise their standards and meet customer demand. In order to accommodate the organization's entire system of activities from upstream to downstream, the supply chain management process is therefore a crucial activity. It allows the bank to quickly verify the information system to make sure the business is running efficiently and successfully utilizing the selected strategies.. [1] Upon finding, the researcher has decided to develop supply chain management information system model for product management for the bank of Thailand for application to increase satisfaction of consumers.

2. Literature review

Information systems have the power to transform organizations and encourage the establishment of new firms. A primary objective is to improve information flow and speed up the decision-making process. One of the few components of the supply chain that can provide better performance while also being more affordable is a data management system. It lets businesses to record important information in an informative way and improves in decision-making for operations and planning. Software and network technology adoption and successful deployment play a significant role in the success of a supply chain by enabling information flow and improving the effectiveness of supply chain activities. The planning, designing, implementing, and controlling of the flow, storage of commodities, and information exchange are all critical logistics tasks in a supply chain. Key supply chain operations include planning, designing, implementing, controlling the flow of commodities, storing them, and exchanging information. These activities support fundamental logistical processes like purchasing, transportation, shipping, inventory control, packaging, and construction. Information technologies are viewed as a firm resource, a

source of its competitive advantage, and a start changing.[19]

3. Research Methodology

3.1 Relevant papers and research works are studied, analysed, and synthesized to formulate a concept of the model development.

3.2 A model is developed based on the data obtained from the research study used in the formulation of the model development concept.

3.3 Present the model to the advisors for consideration and revision.

3.4. Create the evaluation tools for evaluate the model's suitability.

3.6 Present the designed model to the ten experts in the field of supply chain..

3.7 The model is modified according to the experts' suggestions.

3.8 Analyze the results of evaluation of the model by mean and standard deviation consisting of 5 criteria for evaluation according to the idea of Likert scale.

4. Results

Supply chain management information system model for product management for the bank of Thailand are shown in Figure 1.

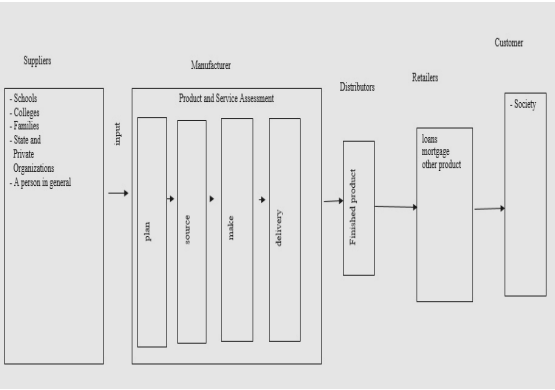

Figure 1: Supply chain management information system model for product management for the bank of Thailand

4.1 Suppliers

Suppliers mean school.colleges,Families etc. that supply raw materials to the manufacturer. They are able to submit a data in the computer

4.2 Manufacturer

Manufacturer mean the bank that produces loans or mortgage or other product. It performs the duty to manage focuses on four areas of the supply chain consists of four elements namely plan, source, make, deliver which mean that whole range of banking activities.

4.3 Distributor

Distributor imply finished product from the bank.

4.4 Retailers

Retailers imply loans or mortgage or other product.

4.5 Customers

The Customers imply the end-of-process component of the model . They include the society.[1],[2],[3],[4],[5],[6],[7],[8],[9],[10],[11], [12],[13],[14],[15],[16],[17].

Table 1: Results for evaluation of Supply chain management information system model for product management for the bank of Thailand

No	Evaluation Lists	$\overline{X}$	S.D.	Suitability
1	Main components	3.65	0.84	High
2	Suppliers	3.62	0.66	High
3	Manufacturer	3.70	0.48	High
4	Distributor	3.62	0.66	High
5	Retailers	3.70	0.48	High
6	Customers	3.60	1.07	High
	Total	3.64	0.69	High

Table 1, The ten specialists found that supply chain management information system model for product management for the bank of Thailand is highly appropriate with the total rating mean of 3.64. Also, its main components, sub-components of the suppliers , Manufacturer , Distributor , Retailers , Customers are highly appropriate, with rating means of 3.65, 3.62, 3.70, 3.62,3.70,3.60 also.

5. Discussion

Supply chain management information system model for product management for the bank of Thailand is considered to be high appropriate ($\overline{X}$ = 3.64, S.D. = 0.69), and the design was corresponds to the research of chansamut and Piriyasurawong has studied supply chain and information system about educational [1] Furthermore, with the research of chansamut suggesting that supply chain and information system also. [2],[3],[4],[5],[6]

6. Conclusion

Supply chain management information system model for product management for the bank of Thailand is appropriate at the high level development The rating mean of 3.64 and standard deviation of 0.69, which means that the model is appropriate at the high level and can support information system development.

7. Recommendation

Supply chain management information system model for product management for the bank of Thailand is considered to be high appropriate if possible it should make database.

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