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Supply Chain Finance Information Model in Thailand

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Abstract—**The paper aim to develop and to evaluate supply chain finance information model in Thailand. The sample consisted of ten experts who have more than six years' experience in supply chain and Information and were selected by purposive sampling. After analysing the data, it showed that supply chain finance information model in Thailand comprises four main components, namely buyer, supplier and lender. The data analysed by using arithmetic mean and standard supply chain finance information model in Thailand After analysing the data, it showed that supply chain finance information model in Thailand is high level of appropriateness, suggesting that supply chain finance information model in Thailand able to develop information.**

Keywords- *Supply Chain Finance Information Model, Thailand*

1. Introduction

Thailand's business development has expanded quickly as a result of the convergence of several socioeconomic and financial elements. Depending on the state of the market, there is an increasing demand for programs that offer financial support and advantages to aspiring business owners. A company, no matter how big or small, always needs working capital, or the money needed to pay for its ongoing expenses other than fixed assets. To meet their working capital requirements, businesses obtain SME loans from banks or other financial organizations. The supply chain finance approach is a simple and quick solution to guarantee the working capital balance. It indicates that suppliers offer lower prices on their high-value invoices to purchasers or financial institutions in order to obtain short-term credit to meet their needs. [22] The use of the supply chain finance and information system idea. It's because the business and industrial sectors must face intense domestic and foreign competition. Organizations in the sector want employees with knowledge, aptitude, and skills who can work effectively to enhance productivity in order to be highly competitive. Therefore, the firms must have the knowledge and

resources to raise their standards and meet customer demand. The important procedure to support an organization's entire system of activities, from upstream to downstream. [2] Thus, the researcher had an idea to develop and to evaluate supply chain finance information model in Thailand

2. Related Work

2.1   Supply   Chain   Management
Kham Nai (2012) said that education supply chain management needs to consider various elements. Which has a relationship between various organizations with a clear goal of reducing the operational process of the system Increase service levels leading to efficiency Meet the needs of customers In general, the supply chain consists of important points, namely 1. Suppliers mean those who send raw materials to service units such as producing quality graduates to society etc. 2. The unit (Manufacturer) means the person who is responsible for transforming the raw materials received from the supplier. To have higher value 3. Distribution Center (Distribution Centres) means the point that serves to distribute products to the consumer or the customer at the centre. One product distribution may have products from many agencies, such as higher education institutions. There will be graduates graduating from many institutions. 4. Retailers or customers means the end of the supply chain. Which is where the products or services must be used until the value is exhausted and without adding value to that product or service.[21]

Chansamut & Piriyasurawong (2014) said that conceptual framework of supply chain management Information system for curriculum management based on Thailand Qualifications Framework for Higher Education The goals of this research are to (1) synthesize a conceptual framework for a supply chain management information system for curriculum management based on the Thailand Qualifications Framework for Higher Education,

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and (2) evaluate the conceptual framework for a supply chain management information system for curriculum management based on that framework. Five supply chain management experts, two curriculum experts, and three information technology experts made up the research sample of 10 experts. A survey is the research tool that was used. The mean and standard deviation are two statistics used for data analysis.

The research technique was divided into six stages: (1) the analysis and synthesis of relevant papers, studies, and articles; (2) the creation of a preliminary conceptual framework; (3) the selection of experts; and (4) the analysis of the results.

Research findings show that the synthesized conceptual framework of supply chain management information system for curriculum management based on Thailand Qualifications Framework for Higher Education comprises four main components, namely, Suppliers, University (Manufacturer), Education Customers, and Consumer. Evaluation results by the experts show the evaluation rating mean of 4.07 with standard deviation of 1.10 indicating that the conceptual framework is considered to be at the good level. Furthermore, evaluation results of appropriateness for sub-components are as follows:

1. The appropriateness rating mean for sub-components of the Supplier component is 4.15, which can be interpreted to be at the good level.

2. The appropriateness rating mean for sub-components of the University component is 4.20, which can be interpreted to be at the good level. This is because the University component contains the sub-components at the decision making level of the educational supply chain.

3. The appropriateness rating mean for sub-components of the Education Customers component is 4.20, which can be interpreted to be at the good level. This is because the Education Customers component contains the sub-components of direct service receivers.

4. The appropriateness rating mean for sub-components of the Consumer component is 4.10, which can be interpreted to be at the good level. This is because the Consumer component contains the sub-component of customers as the end-of-supply chain process that affect the quality of graduates to be delivered to the society.

Based on the Thailand Qualifications Framework for Higher Education, the supply chain management information system's synthesized conceptual framework for curriculum management received an overall rating mean of 4.14 and a standard deviation of 1.00, indicating that it is appropriate at a high level and suitable for use in real-world work settings. [2]

The integration of crucial business processes from the customer through the original suppliers to deliver goods, services, and information that add value for clients and other stakeholders is known as supply chain management. [19]

Manufacturing, raw material, transportation, providers, wholesalers, retailers, as well as other middlemen like customers, are all part of business enterprise networks.[20]

Throughout order to transform raw materials into goods and deliver them to customers, business organizations in the supply chain will collaborate. between companies that will be physically, digitally, and financially connected. [23]

Suppliers, Universities (Manufacturers), Education Customers, and Consumer made up the conceptual framework of the supply chain management information system for curriculum management based on Thailand Qualifications Framework for Higher Education. Expert evaluation of the conceptual framework reveals that it is regarded as being of a high calibre and can be used effectively in real-world workplace contexts.[1]

Supply Chain and Information

A crucial step in supporting the education system as a whole, from upstream suppliers to downstream consumers, is supply chain fiance and information. It enables the organization to quickly assess the information technology and supply chain to guarantee that the business runs efficiently and successfully in accordance with the chosen strategies. The steps in the procedure were buyer, supplier, and lender.

3. Research Methodology

3.1 Study the document about supply chain finance information model in Thailand

3.2 Design supply chain information model for finance management in Thailand from document ,research and article.

3.3. Create the tools for evaluating and making the supply chain finance information model in Thailand.

3.4 Present the developed supply chain finance information model in Thailand to the ten experts..

3.5 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

4.1 Results about Supply Chain Finance information model in Thailand. the details model are shown below

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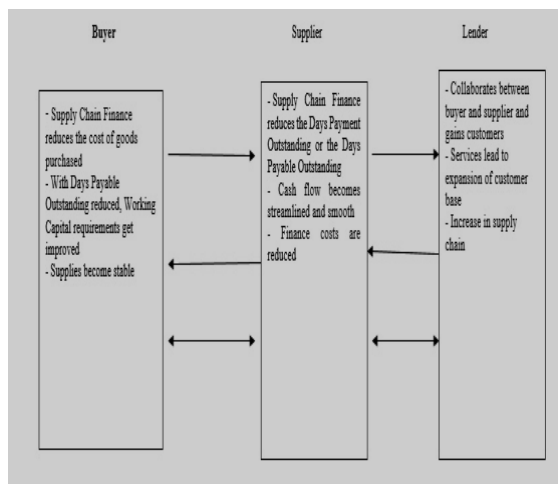

Figure 1. Supply Chain Finance information model in Thailand

Supplier ships the items after the customer, Company, purchases them from the seller. Company then presents an invoice, and Company confirms the payment on typical credit terms of 30 days. However, if a supplier is in urgent need of money, it may ask a financial institution connected to the company for immediate, discounted payment. If so, the financial institution pays the supplier and, in turn, extends the credit term for the company by another 30 days, giving it a total of 60 days as opposed to the 30 days specified by the supplier. Every step of the procedure will be carried out using a computer system that can process and store data. [1],[2],[3],[4],[5],[6],[7] and [22]

Table 1: Results for evaluation of supply chain finance information model in Thailand

No	Evaluation Lists	$\overline{X}$	S.D.	Suitability
1	Main components	3.63	0.78	High
2	Buyer	3.60	0.68	High
3	Supplier	3.63	1.01	High
4	Lender	3.66	1.12	High
	Summary	3.63	0.90	High

Table 1, it can be concluded supply Chain Finance information model in Thailand is highly appropriate, with the total rating mean of 3.63 and standard deviation of 0.90.

5. Discussion

Supply Chain Finance information model in Thailand is considered to be high appropriate shows the rating mean of 3.63 and standard deviation of 0.90.,and the design was corresponds to the research of Chansamut and Piriyasurawong has studied supply chain and information system about educational [1] In addition, with the study of chansamut suggesting that supply chain and information system . [2],[3],[4],[5],[6] , [7],[8],[9],[10],[11],[12],[13],[14],[15],[16],[17],[18]

6. Conclusion

Supply Chain finance information model in Thailand **is** appropriate at the high level shows the rating mean of 3.63 and standard deviation of 0.90, suggesting that supply chain finance information model in Thailand able to develop information.

7. Recommendation

Supply Chain Finance information model in Thailand is considered to be high appropriate if possible it should make software for the developed model.

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