

Information Model for Basic Education Core Curriculum Management in Thai Supply Chain

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Abstract— The purpose of this study was to create and to assess information model for basic education core curriculum management in Thai supply chain. Ten specialists in the fields of education, supply chain, and information make up the sampling. Means and standardized deviations are used to analyze the data. The study's findings indicate that the model is made up of five components: namely main components, Suppliers, school, Learners have completed and customers. The assessment of model using Black-Box technique. The research findings revealed that the model is appropriate at the high level that mean The model to support sustainable information system development.

Keywords—Information Model, Basic Education Core Curriculum Management, Thai Supply Chain

1. Introduction

The Basic Education Curriculum 2001, which functioned as the main curriculum for basic education in the country, was put into effect by the Ministry of Education. The curriculum set out objectives and requirements for learning, and moreover gave students a framework and direction to improve their virtue, wisdom, and capacity to uphold Thailand's competitive standing in the international society. The curriculum was also appropriately modified to align with the 2002 revisions to the National Education Act and its objectives at the same time. These rules emphasize the decentralization of educational power to local communities and schools, which must play substantial roles and actively participate in creating curricula that are appropriate for real-world circumstances. Addressing their genuine needs Strengths of the Basic Education Curriculum 2001 were established based on pertinent investigations, monitoring, and evaluation of the curriculum implemented over the previous six years (Bureau of Academic Affairs and Educational Standards). For instance, it made it possible for educational authority to be decentralized, allowing local communities and schools to take part and play significant roles in developing curricula that suited their actual needs. Concepts and guidelines that are clear for fostering learning [23] There is an urgent need for public and private educational institutions to improve their educational system in order to give more individuals the chance to further their

education and realize their full potential. So The educational system is given a supply chain management information system application. Due to the company' requirement to be extremely competitive in light of the rising levels of domestic and international competition, it will be optional. Organizations in the sector want employees with knowledge, aptitude, and skills who can work effectively to enhance productivity in order to be highly competitive. So, the firms must have the knowledge and resources to raise their standards and meet customer demand. In order to support the organization's entire system of activities from upstream to downstream, the supply chain management process is therefore a crucial activity. It gives the company the ability to quickly check the information system to make sure that the business is running efficiently and successfully based on the chosen strategies. [1] As a result of realization, researcher has decided create and assess information model for basic education core curriculum management in Thai supply chain for ensuring customer satisfaction.

2. Related work

An information system is one of the supply chain's components that can offer superior performance for both. It helps with operational and planning choices and enables curriculum to retain crucial data in a format that is simple to access. Adoption and successful implementation of network and software technologies contribute significantly to the success of the supply chain by facilitating information flow and enhancing the efficiency of supply chain activities.

Five components make up Information model for basic education core curriculum management in Thai supply chain : primary components, suppliers, school, learners who have finished, and customers. In order to solve the sub-main component's issue, which is guaranteeing continuity between the data flow to improve curriculum supply, a full understanding of the sub-information component's flows throughout the supply chain is required. [24]

3. Research Methodology

- 3.1 Conducts research on the information model for basic education core curriculum management in Thai supply chain and expert interviews
- 3.2. Create an information model for basic education core curriculum management in Thai supply chain
- 3.3 The advisors are given the current information model for basic education core curriculum management in Thai supply chain for review and consideration.
- 3.4 Develop a questionnaire to assess the applicability of the model.
- 3.5 Demonstrate the created information model for basic education core curriculum management in Thai supply chain to the 10 experts, which included three information experts and two information experts as well as five supply chain experts.
- 3.6 Information model for basic education core curriculum management in Thai supply chain has been updated in accordance with the advice of experts.
- 3.7 After revision, information model for basic education core curriculum management in Thai supply chain is presented in questionnaire of diagram with report.
- 3.8 Evaluate the outcomes of the evaluation of the information model for basic education core curriculum management in Thai supply chain using the mean and standard deviation. The model was evaluated using 5 evaluation criteria in accordance with the concept of a Likert scale.

4. Results

4.1 Information model for basic education core curriculum management in Thai supply chain are shown in figure 1. for the entire information model for basic education core curriculum management in Thai supply chain. It provides thorough details on the model's parts., as shown below:

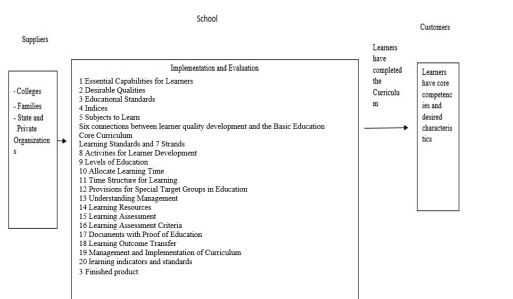


Figure 1: Information model for basic education core curriculum management in Thai supply chain

4.2 Information about Information model for basic education core curriculum management in Thai supply chain

1. Suppliers

Suppliers are businesses, educational institutions, and households who provide raw materials to businesses. Students who have completed high school serve as the raw ingredients in this situation. They can use the computer system that can process and save the data to submit an application for admission.

2. Manufacturer

The manufacturer that produces finished students is referred to as the manufacturer. It fulfills the responsibility of transforming beginning learners, or raw resources, into finished goods produced by certified graduates of learners. The institution will carry out its responsibility for student growth and assessment in accordance with Thailand's national core curriculum. as following .

- 1 Essential Capabilities for Learners
- 2 Desirable Qualities
- 3 Educational Standards
- 4 Indices
- 5 Subjects to Learn
- 6 Six connections between learner quality development and the basic Education core curriculum
- 7 Learning Standards and 7 Strands
- 8 Activities for Learner Development
- 9 Levels of Education
- 10 Allocate Learning Time
- 11 Time Structure for Learning
- 12 Provisions for Special Target Groups in Education
- 13 Understanding Management
- 14 Learning Resources
- 15 Learning Assessment
- 16 Learning Assessment Criteria
- 17 Documents with Proof of Education
- 18 Learning Outcome Transfer
- 19 Management and Implementation of Curriculum
- 20 learning indicators and standards

3 Finished product

Finished product indicate that students have finished the curriculum.

4. Customers

Customers imply that learners possess fundamental skills, desired traits, or the model's end-of-process element. The society is among them. Eventually, the finished product will improve the supply chain.[1],[2],[3],[4],[5],[6],[7], [8],[9],[10],[11],[12],[13],[14],[15],[16],[17],[18],[19],[20],[21],[22],[23].

Table 1: Results for evaluation of information model for basic education core curriculum management in Thai supply chain

No	Evaluation Lists	\bar{X}	S.D.	Suitability
1	Main components	3.70	0.53	High
2	Suppliers	3.63	0.56	High
3	Manufacturer	3.60	0.51	High
4	Finished product	3.60	1.17	High
5	Customers	3.60	0.69	High
	Total	3.62	0.69	High

Table 1, According to the experts, information model for basic education core curriculum management in Thai supply chain is highly appropriate ($\bar{X} = 3.62$, S.D. = 0.69).

5. Conclusion

Information model for basic education core curriculum management in Thai supply chain is appropriate at the high level development. The rating mean of 3.62 and standard deviation of 0.69, which means that the model to support sustainable information system development.

6. Discussion

Information model for basic education core curriculum management in Thai supply chain is considered to be highly appropriate ($\bar{X} = 3.62$, S.D. = 0.69), and the design was corresponds to the paper of Chansamut has studied supply chain and information system. [2],[3],[4],[5],[6],[7],[8],[9],[10],[11],[12],[13],[14],[15],[16],[17],[18],[19],[20],[21],[22],[23].

7. Recommendation

Information model for basic education core curriculum management in Thai supply chain is a highly appropriate, and if at all feasible, it should be developed using an information system.

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