

Information System Model for Curriculum Management Base on National Educational Standards in Thai Supply Chain

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Abstract—The objective of the research was to develop and to evaluate information system model for curriculum management base on national education standards in Thai supply chain. The samples are ten experts in the field of information system and supply chain. The data is analysed by means and standardized deviations. The research result shows that the model consists of five elements namely main components, Suppliers, Manufacturer, Customers, Consumers. The assessment of pattern using Black-Box technique. An evaluation result from expert agreement about information system model for curriculum management base on national education standards in Thai supply chain was a high level and can support an information system development.

Keywords—*information system model, curriculum management, national education standard, Thai supply chain*

1. Introduction

The national instructive benchmarks are pointed at all educate. Based on a rule for understudy advancement to the specified results of instruction. And the connection unit to be utilized as the target in educational administration. By indicating the specified results of the learners reasonable agreeing to age extend in each level and sort of instruction. The objective is to empower students to be able to perform a assortment of simple to realize such comes about. In expansion, the objective is for all divisions included within the instruction to utilize as a rule to advance supervision, examination, assessment and quality affirmation of instruction. In arrange to comply with instructive administration standards, the Office of the Instruction Chamber has built up the National Instruction Benchmarks 2018 within the frame of alluring results of instruction in arrange for schools and related organizations to Instructive administration is utilized as a rule for instructive administration and setting up the least instructive benchmarks fundamental for each level and sort of instruction. To attain alluring characteristics for understudies whereas examining. And to lay the establishment for the students during the study are

to attain the required characteristics for the graduates to make economical thriving and steadiness to the nation.[19] Public and private educational institutions needs to urgently develop its educational system in order to provide more opportunities for people to be educated and increase their potential. So An application of the concept of supply chain management information system is applied to educational system. It will be optional because the business needs to be highly competitive due to increasingly high competitions from both within and outside the country. In order to be highly competitive, organizations in the sector need to have personnel with knowledge, ability and skills who can work efficiently to increase output. The organizations, therefore, need to have sufficient information and resources to increase their values and respond to the demand of their clients. Thus, the supply chain management process is a key process to support the organization's whole activities system from upstream to downstream. It enables the organization to promptly check the information system to ensure that the organization operates smoothly and effectively based on the determined strategies. [1] Based on realization, researcher has decided develop and evaluate information system model for curriculum management base on national education standards in Thai supply chain for application to increase satisfaction for consumers.

2. Literature review

Supply chain and data is an one of an elements of supply chain that can offer both progressed execution It empowers educational modules to preserve key data in an accessible format and makes a difference to require operational and arranging choices. The selection and fruitful usage of computer program and organize innovation contribute in a expansive way for the supply chain increasing the effectiveness of supply chain operations.

Supply chain is an active management of supply chain activities to maximize client esteem and

accomplish a feasible competitive advantage. It speaks to a cognizant exertion by the supply chain agreeable to create and run supply chains within the most viable & productive ways conceivable. Supply chain exercises cover everything from item , sourcing, production, and logistics, as well as the information systems needed to coordinate all activities.

Four components make up the Thai supply chain's information system model for curriculum management based on national education standards: suppliers, manufacturers, customers, and consumers. In order to solve the sub-main component's issue, which is guaranteeing continuity between the data flow to improve curriculum in supply chain. It enables the organization to promptly check the information system to ensure that the organization operates smoothly .[1] and [18]

3. Research Methodology

3.1 Studies and syntheses of document about information system model for curriculum management base on national education standards in Thai supply chain.

3.2 Study about information system model for curriculum management base on national education standards in Thai supply chain information system model for professional standards management base on national education standards in Thai supply chain.

3.3.Design information system model for curriculum management base on national education standards in Thai supply chain

3.4 Present information system model for curriculum management base on national education standards in Thai supply chain to an expert for consideration and revision.

3.5. Develop the questionnaire was a 5-scale rating questionnaire.

3.6 Information system model for curriculum management base on national education standards in Thai supply chain is modified according to the experts' suggestions.

3.7 Analyse the results of evaluation about information system model for curriculum management base on national education standards in Thai supply chain by mean and standard deviation.

4. Results

Information system model for curriculum management base on national education standards in Thai supply chain are shown in figure 1.

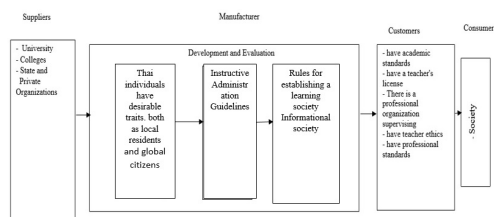


Figure 1: Information system model for curriculum management base on national education standards in Thai supply chain

1. Suppliers

Suppliers mean the organizations that supply raw materials to the manufacturer. Raw materials in this case are students who graduated from high schools or two-year colleges, or students who receive special quotas for admission. They can use the computer system that can process and save the data to submit an application for admission.

2. Manufacturer

The manufacturer that creates graduates is referred to as the manufacturer. It fulfils the responsibility of transforming beginning materials, such as new students, into final goods produced by qualified graduates of those students. Based on national education standards for each activity, the university will carry out its responsibility for student growth and evaluation. There are three standards and eleven indicators as follows:

2.1 Standard 1 Thai individuals have desirable traits. both as local residents and global citizens Thai individuals are smart, good and happy people.

There are five indicators: complete physical fitness, encouragement, necessary and sufficient life and social development knowledge and abilities, learning and coping mechanisms. Thai inhabitants and people around the world possess strong social and moral values.

2.2 Standard 2 Instructive Administration Guidelines

There are three markers, including organizing educational programs and settings that support students' natural development and maximize their potential, There is administration centered on the school, and there is systematic and high-quality growth for administrators, instructors, faculty, and educational professionals.

2.3 Standard 3: Rules for establishing a learning society Informational society

There are three indicators, including academic services and community-school collaboration to create a knowledge-based society, quality assessments, research, support, learning resources, and learning mechanisms, and knowledge generation and management at all societal levels and dimensions.

3 Customers

Customers are students who meet certain educational and professional standards, such as those relating to knowledge, expertise in the field, and conduct. The Council of Education Secretariat is the source of all standards.

4. Consumers

Consumers mean the end-of-process component of the model or society[1],[2],[3],[4],[5],[6],[7],[8],[9],[10],[11],[12],[13],[14],[15],[16] and [19].

Table 1: Results for evaluation of information system model for curriculum management base on national education standards in Thai supply chain

No	Evaluation Lists	\bar{X}	S.D.	Suitability
1	Main components	3.70	0.57	High
2	Suppliers	3.62	0.64	High
3	Manufacturer	3.60	0.69	High
4	Customers	3.66	0.70	High
5	Consumers	3.60	0.51	High
6	Total	3.63	0.62	High

From table 1, The evaluation of the suitability model shows that all ten experts are consistent in evaluating the overall suitability of the model is a high level ($\bar{X} = 3.63$, S.D. = 0.62)

5. Conclusion

Information system model for curriculum management base on national education standards in Thai supply chain is a high level .The rating mean of 3.63 and standard deviation of 0.62, which means that the model is appropriate at the high level and can support an information system development.

6. Discussion

Information system model for curriculum management base on national education standards in Thai supply chain is a high level .The rating mean of 3.63 and standard deviation of 0.62. the design was corresponds to the research of Chansamut has studied supply chain and information system about educational [2],[3],[4],[5],[6],[7],[9],[10],[11],[12],[14],[15] and the study of Habib.[17]

7. Recommendation

Information system model for curriculum management base on national education standards in Thai supply chain is considered to be a high level if possible it should make database for the developed model.

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