Pattern of Supply Chain for Manpower Management for Higher Education Sandbox in Thailand

Artaphon Chansamut

Office of Dean, Faculty of Home Economic Technology, Rajamangala University of Technology Krungthep, Thailand, Bangkok

artaphon.c@mail.rmutk.ac.th

***Abstract*— The research aims to develop the pattern of supply chain for manpower management for higher Education Sandbox in Thailand and evaluation the suitability the pattern . The sample group consisted of ten experts in the field of supply chain and education The research tool was the questionnaire. The data was analyzed using the arithmetic mean, the standard deviation. The research was found that design the pattern of supply chain for manpower management for higher Education Sandbox in Thailand consists of five components namely main suppliers, Manufacture, Customers and consumer The results from ten experts on supply chain and education agreement the pattern of supply chain for manpower management for higher Education Sandbox in Thailand was a high level. It showed that the pattern of supply chain for manpower management for higher Education Sandbox in Thailand can develop manpower.**

Keywords*—Pattern of supply chain, manpower management, Higher Education sandbox*

1. Introduction

Nowadays As Thailand transitions to an innovation-driven economy, the need for highly trained workers in the targeted industries is growing. Furthermore, the knowledge and skill requirements for emerging businesses are getting increasingly complicated. The National Higher Education Science Research and Innovation Policy Council is actively working on two important plans to ensure that Thailand can cultivate its skilled human capital to create and maintain the significant growth engines: I To conduct a survey to identify needs and strategic plans for human resource development for target industries; and ii) To define a Registered Training Organization system and highly-skilled employment reference system to support the I The National Higher Education Science Research and Innovation Policy Council wants to know what highly trained workers are needed in the target industries. The survey's findings are helpful in developing a strategy for workforce development for chosen sector and in creating suitable degree and non-degree programs, as well as curriculum, for universities to train staff with the skills and abilities needed to satisfy the demands of these businesses. [19] An adaptation of the idea of supply chain management and higher Education sandbox to educational. This occurs as a result of a rising requirement for the commercial and industrial sectors to be highly competitive due to competition from both within and outside the nation. Corporations in the industry need to have knowledgeable staff who could really work effectively to enhance output in order to remain competitive. So, the institutions need to have enough knowledge to raise their standards to meet customer demand. As a result, the management of the supply chain and higher education's educational process is a crucial activity in supporting the organization's entire system of operations from upwards to downwards. It allows the company to quickly check [1] In light of realization, the researcher has decided to develop the pattern of supply chain for manpower management for higher Education Sandbox in Thailand for application to increase satisfaction of consumers.

2. literature review

Innovation Sandbox is based on the idea that innovative technologies can be evaluated in a secure environment under the rigorous observation of regulators without being subject to all regulatory constraints. Innovative technology and a highly qualified workforce may be fully developed as a result, and public safety and privacy can be protected. Any implications can also be thoroughly considered in order to put in place the necessary safeguards and laws. The National Higher Education Science Research and Innovation Policy Council is gathering data to determine the importance of issues like laws, regulations, and procedures that need to be reviewed and amended in addition to make effective mechanisms to advance the causes through the involvement of stakeholders, including businesspeople, researchers, the procedures created to advance the causes through the involvement of various stakeholders, including businesspeople,

researchers, government officials and private enterprises.[19]

Student services are used in the university supply chain to process the raw material, which is the student. Student design and development, student sourcing and selection, student academic and non-academic training, student practical training, student outcome testing, and student further development are all examples of direct student services. Campus improvement and upkeep, information technology infrastructure, hostels, clearances, bookstores, security, and eateries are examples of indirect student services. Critical thinking should be created for each student. A faculty member who oversees the process of a student's development along the supply chain should be allocated to that student. The institution cannot build up one supply chain method for all students because no two students are the same. Customized supply chain processes are advised in integrated supply chain management for each student. proposed as a way to guarantee student quality Long-term research necessitates a flexible supply chain that responds to client needs. For instance, A production line should be used to find all the relevant operators, who are experienced in developing an information technology system, as well as the facilities, etc., if there is applied research being done to establish an unique system of information technology for something like an industry.

In order to successfully finish good teaching and research tasks in universities, various elements must be examined. four factors: university culture, program establishment, facility capabilities, and faculty capabilities

The major objectives of an educational supply chain in Sandbox are the development of human capital and the welfare of the final consumer or society. Educational institutions must have some level of familiarity with the partners in their value chain in Sandbox, including suppliers, customers, and the consumer, in order to accomplish this purpose. [18]

3. Research Methodology

3.1 Analyse and synthesize document about pattern of supply chain for manpower management for higher Education Sandbox in Thailand

3.2 Develop the pattern of supply chain for manpower management for higher Education Sandbox in Thailand

3.3 Evaluate pattern of supply chain for manpower management for higher Education Sandbox in Thailand. The statistics utilized in this study were means and standard deviation following the weighing criteria of Appropriateness of the design using five rating scales of Likert.

3. Results

4.1 Results on pattern of supply chain for manpower management for higher Education Sandbox in Thailand are presented in figure 1

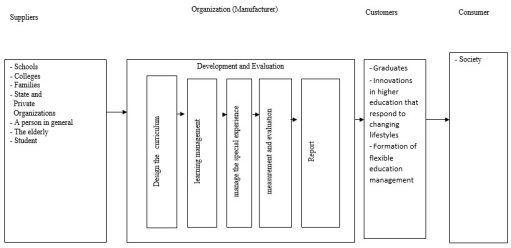

Figure 1: Pattern of supply chain for manpower management for higher Education Sandbox in Thailand

4.2 Explanation on Components about pattern of supply chain for manpower management for higher Education Sandbox in Thailand

1 Suppliers

Suppliers of the student (High school/college), Supplies of the family (Parents, Siblings), relatives, etc. government and private organizations (Scholarship) and other raw materials . The suppliers mean the organizations that supply raw materials to the manufacturer.

2 Manufacturer

Manufacturer indicate university is regarded as a service provider ,namely teacher, qualified person or private sector employees. Manufacturer performs the duty to transform raw materials, into excellence university. The university will perform its duty of raw materials development and evaluation according to higher Education Sandbox of each activity, namely, Design the curriculum, learning management, manage the special experience, measurement and evaluation and report.

3 Customers

A customers mean Graduates, Innovations in higher education that respond to changing lifestyles or Formation of flexible education management

4. Consumers

A consumers mean the end-of-process component about supply chain for manpower management for higher Education Sandbox in Thailand . They include the society in general and entrepreneurs. Last and not least, the university will provide added value to a supply chain.[1],[2],[3][4],[5],[6],[18] ,[19]

Table 1: Results for evaluation about pattern of supply chain for manpower management for higher Education Sandbox in Thailand

No.	Items	$\overline{X}$	S.D.	Suitability
1	Main elements	3.75	0.58	High
2	Suppliers	3.77	0.54	High
4	Manufacturer	3.72	0.52	High
5	Customers	3.70	0.95	High
6	Consumer	3.70	0.67	High
	Total	3.72	0.65	High

Table 1,An evaluation results about pattern of supply chain for manpower management for higher Education Sandbox in Thailand is high appropriate ($\overline{X}$ = 3.72, S.D. = 0.65).

5. Discussion

According to the evaluation, the overall components the pattern of supply chain for manpower management for higher Education Sandbox in Thailand is high appropriate ($\overline{X}$ = 3.72, S.D. = 0.65), and the design was corresponds to the study of chansamut [2],[3],[4],[5],[6],[7],[8] ,[9],[10],[11],[12],[13],[14],[15],[16] who found that supply chain and educational consists of four components namely main suppliers, Manufacture, Customers and consumer and the research of Chansamut and Piriyasurawong also.[1]

6. Conclusion

According to the evaluation about the pattern of supply chain for manpower management for higher Education Sandbox in Thailand is high appropriate ($\overline{X}$ = 3.72, S.D. = 0.65), which means that that the pattern can develop manpower.

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