

Supply Chain Model for Universities Management According to Education Criteria for Performance Excellence 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 investigate was pointed to study and to assess the appropriateness of supply chain model for universities management according to education Criteria for performance excellence in Thailand. The samples in the research study consisted of ten purposively selected experts in supply chain. he research instruments included supply chain model for universities management according to education Criteria for performance excellence in Thailand and the evaluation form regarding the appropriateness of the model process Data were analysed using mean and standard deviation . The research findings model consists of seven components namely main components ,suppliers, Manufacture, excellence university , Customers, Satisfaction, feedback and to sum up, supply chain model for universities management according to education Criteria for performance excellence in Thailand process is appropriate and applicable to real practice.

Keywords—Supply chain model, universities management, according to education criteria for performance excellence in Thailand

1. Introduction

Higher education greatness is one of the exceptional honours in overseeing the universities based on concepts . These honours allow a benchmark of how a world lesson organization ought to work. These models have been created and proceed to advance through broad consider of the hone and values of the world's most elevated performing organizations. Higher education is approximately accomplishing greatness in everything that universities does (counting administration, technique, client center, data administration, individuals and forms) and most critically accomplishing predominant trade comes about Operation Fabulousness strategy leads to negligible squander, tall quality, and small to-no stock in an organization. Once you have got completed this activity, twofold digit fetched diminishments in floor space, stock, labor, lead-time and prepare squander are very likely. Higher education offer help organizations to view after their qualities and ranges for enhancement. Operations Administration create universities

exceed expectations in fabricating, administrations, supply chain and other innovation in supply chain to be specific computers, phones, tablets, program, online media, etc. An operations Administration for universities deliver arrangements to accomplishing and keeping up 'excellence' in college . It explains how to plan and move forward forms aconcurring to customer necessities for fulfilling universities brilliance. The universities may be a most imperative division of higher education which needs the universities to survery examinations its execution and key orchestrate for future agents to do astounding work for universities level.[20] The concept of supply chain and using Technology in supply chain is the process to promote the campus story activities system from upstream to downstream. It enables the campus to promptly check data to ensure that the university operates smoothly and effectively based on the determined strategies. [1] From the aforementioned, the researcher has decided to study and to assess the appropriateness of supply chain model for universities management according to education Criteria for performance excellence in Thailand for application to extend satisfaction of consumers.

2. literature review

Supply chain within the universities is coordinate and backhanded understudy administrations to handle the crude fabric, i.e. the understudy. Coordinate understudy administrations incorporate understudy plan and improvement, understudy sourcing and determination, understudy scholarly and non-academic trainings understudy viable trainings, understudy result testing and at last understudy advance improvement. The circuitous understudy administrations are campus progression and support, data innovation framework, inn, clearances, bookstore, security, eateries. Each understudy ought to be planned and created basically. A understudy ought to be doled out a workforce, part, who administers the understudy improvement prepare all through the supply chain. It is since the understudy is non- identical and

universities cannot set up one supply chain handle for all the understudies. Within the coordinates supply chain administration, customized supply chain forms for each understudy is recommended to guarantee the student quality Research may be a long-term requiring customized and responsive supply chain to fulfill the client. For illustration, on the off chance that there's an connected investigate to create a specific information technology framework for an industry, the supply chain ought to be utilized to rummage around for all the significant administrators, who are proficient in creating the data innovation framework, and the encourages etc

To achieve legitimate educating and research works in the universities; different factors need to analyze about four factors, namely faculty capabilities, facilities, programs establishment, university culture

Main goals of an universities supply chain is to improve the well-being of the end customer . To achieve the goal, universities need to have a certain degree of knowledge about the partners in supply chains for application to extend satisfaction of consumers. [18]

3. Research Methodology

3.1 Synthesize document about supply chain model for universities management according to education Criteria for performance excellence in Thailand

3.2. Develop and create questionnaires about supply chain model for universities management according to education Criteria for performance excellence in Thailand

3.3. Evaluate supply chain model for universities management according to education Criteria for performance excellence in Thailand by ten experts. Statistics utilized in the study were means and standard deviation following the weighing criteria of appropriateness of the design using five rating scales of Likert

4. Results

4.1 Results on supply chain model for universities management according to education Criteria for performance excellence in Thailand are presented in figure 1

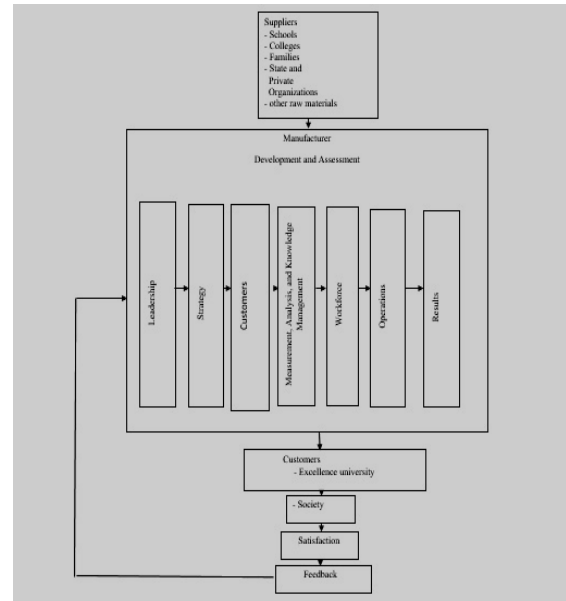


Figure 1: Supply chain model for universities management according to education Criteria for performance excellence in Thailand

4.2 Principle about supply chain model for universities management according to education Criteria for performance excellence 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 Suppliers can send data into computer that can collect a data.

2 Manufacturer

Manufacturer mean university is regarded as a service provider university. university performs the duty to transform raw materials, into excellence university which mean that perform its duty of raw materials development and evaluation according to education criteria for performance excellence of each activity, namely, Leadership, Strategy, Customers, Measurement, Analysis, and Knowledge Management, Workforce, Operations and all Results in the university.

3. Excellence university

Excellence university in the classified as follows:

1 Government/Nonprofit Brilliance System:

Centers on satisfying university.

2 Instruction Brilliance System: Centers on ways to comprehensively accomplish and support tall execution for understudies and college, including personnel.

3 Wellbeing Care Fabulousness System: Centers on making strides security, results and fetched diminishment, this system is utilized within the

supplier, clinic, clinic, and huge wellbeing frameworks.

4 Benefit Brilliance System: Centers on benefit university.

5 Little Trade System: Center on businesses and target for provincial regions.

6 Fabricating System: Centers on making a difference fabricating industry Incorporates producers from other industry.

4. Consumers

The consumers mean the end-of-process component of the pattern of supply chain in digital for higher education management according to education criteria for performance excellence. or society and entrepreneurs. Finally, Excellence university will provide added value to the supply chain.

5. Satisfaction

Satisfaction refer to awards for performance excellence from Ministry of Higher Education, Science, Research and Innovation. Education.

6 Feedback

Feedback is the data obtained from satisfaction or happy staff.[1],[2],[3][4],[5],[6], [7],[8],[9], [10],[11],[12],[13],[14],[15],[16],[17],[19], [20] [21],[22]

Table 1: Results for evaluation about supply chain model for universities management according to education Criteria for performance excellence in Thailand

No.	Items	\bar{X}	S.D.	Suitability
1	Main elements	3.66	0.61	High
2	Suppliers	3.66	0.65	High
3	Manufacturer	3.70	0.63	High
4	Excellence university	3.60	0.51	High
5	Consumers	3.70	0.67	High
6	Satisfaction	3.70	0.67	High
7	Feedback	3.60	0.67	High
	Total	3.66	0.63	High

Table 1, Experts found that supply chain model for universities management according to education Criteria for performance excellence in Thailand is a high level ($\bar{X} = 3.66$, S.D. = 0.63).

5. Discussion

Supply chain model for universities management according to education Criteria for performance excellence in Thailand is considered to be high appropriate ($\bar{X} = 3.66$, S.D. = 0.63 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 other information also. [2],[3],[4],[5],[6], [7],[8],[9],[10],[11],[12],[13],[14],[15],[16] and [17]

6. Conclusion

Supply chain model for universities management according to education Criteria for performance excellence in Thailand is a high level ($\bar{X} = 3.66$, S.D. = 0.63). which means that supply chain model for universities management according to education Criteria for performance excellence in Thailand process is appropriate and applicable to real practice.

Acknowledgements

The researcher would like to thank ten expert in the field of supply chain for supporting this research.

Reference

- [1] Chansamut, A., Piriyasurawong., P. Conceptual Framework of Supply Chain Management Information System for Curriculum Management Based on Thailand Qualifications Framework for Higher Education. International Journal of Managing Value and Supply Chains (IJMVSC) . Vol 5 No 4 , 33-45. 2014
- [2] Chansamut, A Supply Chain operation Model in Digital for Curriculum Management Based on Thailand Qualifications Framework for Higher Education. International Journal of Supply Chain Management (IJSCM). Vol 10 No 4 , 71-75. 2021.
- [3] Chansamut, A An Information System Model for Educational Management in Supply Chain According to Career standards on Thailand Qualifications Framework for Vocational Education International Journal of Supply Chain Management (IJSCM). Vol 10 No 4 , 51-55. 2021.
- [4] mChansamut, A Synthesis conceptual framework of Supply Chain Business Intelligence for Educational Management in Thai Higher Education Institutions International Journal of Supply Chain Management (IJSCM). Vol 10 No 5 , 25-31. 2021.

- [5] Chansamut, A Supply Chain Business Intelligence Model for Quality Assurance in Educational Management for ASEAN University Network Quality Assurance International Journal of Supply Chain Management (IJSCM). Vol 10 No 5 , 40-49. 2021.
- [6] Chansamut,. A. ICT System in Supply Chain Management for Research in Higher Education Institute.University of the Thai Chamber of Commerce journal humanities and social sciences. Vol 36 No 2, 112-121. 2016.
- [7] Chansamut,. A, Developing Software Patterns in Thai Supply Chain. International Journal of Supply Chain Management (IJSCM). Vol 11 No 3 , 27-31. 2022.
- [8] Chansamut,. A, Supply Chain Model for Curriculum Management Based on Thailand Qualifications Framework for Higher Education with the Internet of Things. International Journal of Supply Chain Management(IJSCM). Vol 11 No 3 , 41-47. 2022.
- [9] Chansamut,. A, A Digital Service Supply Chain Model for ASEAN University Network Quality Assurance at Institutional Level. International Journal of Supply Chain Management(IJSCM). Vol 11 No 3 , 60-67. 2022.
- [10]. Chansamut,. A, The Service Agile Supply Chain Information System Model for ASEAN University Network Quality Assurance at Institution Level. International Journal of Supply Chain Management(IJSCM). Vol 11 No 3 , 68-75. 2022.
- [11] Chansamut,. A, A Geographic Information System Model for Educational Management for Higher in Thai Supply Chain . International Journal of Supply Chain Management(IJSCM). Vol 11 No 3 , 82-85. 2022.
- [12] Chansamut,. A, An Information System Model in Healthcare Supply Chain and Logistics in Thailand. International Journal of Supply Chain Management(IJSCM). Vol 11 No 3 , 99-103. 2022.
- [13] Chansamut,. A, Supply Chain Management Information Systems Model for Educational Management for ASEAN University Network Quality Assurance at Institution Level. International Journal of Supply Chain Management(IJSCM). Vol 11 No 3 , 104-112. 2022.
- [14] Chansamut,. A, Supply Chain in Digital Operation Model for Student Loan Fund Management for Higher Education in Thailand. International Journal of Supply Chain Management(IJSCM). Vol 11 No 2 , 17-20. 2022.
- [15] Chansamut,. A, Supply Chain in Digital Operation Model for Student Loan Fund Management for Higher Education in Thailand. International Journal of Supply Chain Management(IJSCM). Vol 11 No 2 , 17-20. 2022.
- [16] Chansamut,. A, Supply Chain Pattern in Digital for Research Management for ASEAN University Network Quality Assurance. International Journal of Supply Chain Management(IJSCM). Vol 11 No 2 , 38-49. 2022.
- [17] Chansamut,. A, Supply Chain Model in Digital for Construction Management in Higher Education Institute. International Journal of Supply Chain Management(IJSCM). Vol 11 No 2 , 58-75. 2022.
- [18] Habib, Md.M.2010. An empirical research of ITESCM(integrated tertiary educational supply chain management) model available at www.intechopen.com.
- [19] Ministry of Higher Education, Science, Research and Innovation. Education.2021. Criteria for Performance Excellence : EdPEX No 2020-2023.available at <http://www.edpex.org/2020/11/edpex-2563-2566.html>.
- [20] National Institute of Standards and Technology (NIST).2019. Baldrige Performance Excellence Program .available at:<http://www.nist.gov/baldrige>.
- [21] Shrouy,V.,Tiwari,P.Business excellence: A Comparative Study of Various Models, Criteria's and Awards. International Research Journal of Engineering and Technology (IRJET). Vol 4 No 6, 38-44. 2017.
- [22] Vrtac-qm.2021. Malcolm Baldrige Criteria for Performance Excellence. Available at: <https://vrtac-qm-drupal-shared-files.s3.us-west-2.amazonaws.com/s3fs-public/site-files/qm-of-orgs/Malcolm-Baldrige-Criteria-for-Performance-Excellence-April2021.pdf>