

An Information Model for Humanitarian Management in Thai Supply Chain

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Abstract— This study aim to develop an information model for humanitarian management in Thai supply chain and to assess an information model for humanitarian management in Thai supply chain. The research methodology was divided into three step namely synthesize former researches relevant to the elements an information model for humanitarian management model in Thai supply chain and developing the examined in terms of its quality by ten expert include data were analysed by mean, standard deviation .The research found there were six type of an information model for humanitarian management in Thai supply chain namely Main element ,Donors, Beneficiaries, Suppliers , Humanitarian organizations and Customers. The results from experts have evaluated an information model for humanitarian management in Thai supply chain is high level of appropriateness and can be appropriately applied in actual work settings.

Keywords—*An Information Model, Humanitarian Management Thai Supply Chain*

1. Introduction

Thailand could be a nation wealthy in normal assets, which have played a critical part in supporting neighborhood jobs and driving financial development. Timberlands, watersheds, marine situations, and mineral assets have all been instrumental in supporting the Thai fabricating, trade, and tourism businesses. Be that as it may, quick financial advancement over the past a few decades has regularly happened through the unsustainable abuse of these normal assets. Financial needs have frequently taken priority over preservation in numerous cases. Thailand faces expanding natural debasement in numerous locales, counting the misfortune of biodiversity and declining natural life populaces, deforestation, desertification, water shortage, climate alter, and discuss and water pollution.[39]Especially, In Thailand, there will be a flood disaster in all

provinces The idea about supply chain management information system will be optional ,Due to supply chain management information system is the 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. It can work efficiently and respond to the demand of beneficiaries . Thus, the researcher had an idea to develop an information model for humanitarian management in Thai supply chain [1],[2],[3],[4],[5],[6]

2. Related work

Frameworks for the supply chain and data administration have the power to change organizations and hasten the emergence of contemporary firms. Their main goals are to enhance the data stream and promote decision-making. One of the few elements of a supply chain that can provide both advanced execution and reduced took a toll is a data administration framework. It gives organizations the ability to save important data in an accessible format and influences the need for operational and planning decisions. The appropriation and fruitful execution of computer program and organize innovation contribute in a huge way for the supply chain victory encouraging the stream of data and improving the productivity of supply chain exercises. Coordinations exercises are key exercises within the supply chain, counting arranging, planning, executing and overseeing the stream, capacity of materials and data trade in arrange to back essential coordinations capacities such as acquirement, dissemination, transportation, stock administration, bundling and fabricating. Data advances are seen as a asset of an organization, as a source of its competitive advantage and serve as a catalyst of alter in an organization.[40]

Supply Chain and Data framework may be a objective setting for effective organization, which cruel that Supply Chain and Data will offer assistance organizations make strides effectiveness. Tall esteem clients and providers can be held by keeping up a solid Supply Chain and Data, including effective management [41]

3. Research Methodology

3.1 Read the research relevant to the elements of an information model for humanitarian management in Thai supply chain.

3.2 Develop an information model for humanitarian management in Thai supply chain by ten specialist

3.3. Examine 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

An information model for humanitarian management in Thai supply chain is composed of five main elements namely Donors, Beneficiaries, Suppliers, Humanitarian organizations and Customers. in Figure 1.

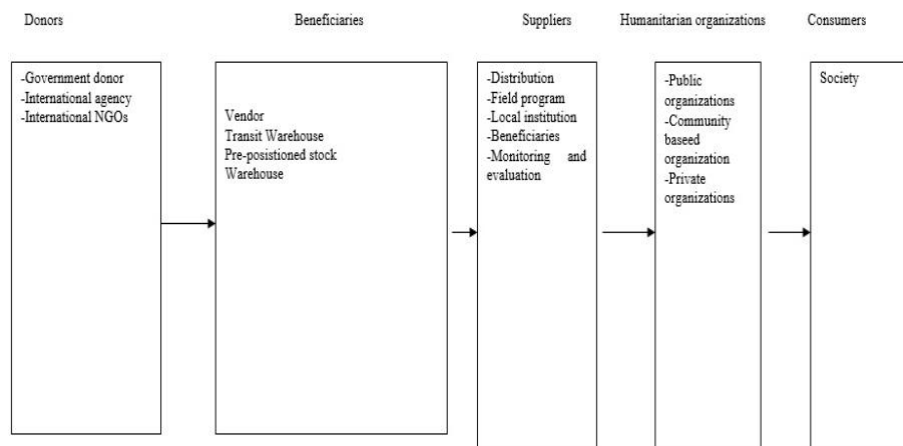


Figure 1: An information model for humanitarian management in Thai supply chain

An information model for humanitarian management in Thai supply chain is a stream of administrations, supplies, data and accounts between benefactors, recipients, providers and distinctive unit of compassionate organizations, in arrange to supply physical help to customers. An data demonstrate for compassionate administration in Thai supply chain is referred to as the method of compelling and cost-efficient plans, execution and controls for help streams i.e. materials, products, administrations, financials assets, data, solutions, dress, nourishments etc. from the point of utilization with the deliberate of assembly the assistance necessities. like office, area, stock administration, transportation etc.) and reenactment approaches to optimize their output [1],[2],[3],[4],[5],[6],[7],[8],[9],[10],[11],[12],[13],[14],[15],[16],[17],[18],[19],[20],[21],[22],[23],[24],[25],[26],[27],[28],[29],[30],[31],[32],[33],[34],[35],[36],[37],[38].

Table 1: An information model for humanitarian management in Thai supply chain

No	Evaluation Lists	\bar{X}	S.D.	Suitability
1	Main element	3.62	0.76	High
2	Donors	3.63	0.78	High
3	Beneficiaries	3.67	2.36	High
4	Suppliers	3.64	0.71	High
5	Humanitarian organizations	3.63	0.72	High
6	Consumers	3.70	0.48	High6
	Summary	3.65	0.97	High

The experts found that an information model for humanitarian management in Thai supply chain in the table 1 which means that The model is highly appropriate shows the overall rating mean of 3.65 and standard deviation of 0.97.

5. Discussion

An information model for humanitarian management in Thai supply chain is considered to be high appropriate ($\bar{X} = 3.65$, S.D. = 0.97). and the design was corresponds to the research of Chansamut and Piriyasurawong has studied supply

chain and information system about educational [2] Besides, with the study of Chansamut suggesting that supply chain and information system too.

[3],[4],[5],[6],[7],[8],[9],[10],[11],[12],[13],[14],[15],[16],[17],[18],[19],[20],[21],[22],[23],[24],[25],[26],[27],[28],[29],[30],[31],[32],[33],[34],[35],[36],[37] and [38]

6. Conclusion

Based on the results of an information model for humanitarian management in Thai supply chain is appropriate at the high level development ($\bar{X} = 3.65$, S.D. = 0.97). Hence, this research was to support information system development.

7. Recommendation

An information model for humanitarian management in Thai supply chain is considered to be tall fitting in case conceivable it ought to make a database for the created demonstrate.

Reference

- [1] Agarwal, S., Singh., K Enhancing supply chain of humanitarian supply chain management- A case study. International Journal of Applied Engineering Research Vol 13 No 6 , 99-110. 2018
- [2] Chansamut, A., Piriya-surawong., 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
- [3] 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.
- [4] 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.
- [5] Chansamut, 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.
- [6] 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.
- [7] 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.
- [8] Chansamut., A, Developing Software Patterns in Thai Supply Chain. International Journal of Supply Chain Management (IJSCM). Vol 11 No 3 , 27-31. 2022.
- [9] 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.
- [10] 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.
- [11]. 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.
- [12] 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.
- [13] 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.
- [14] 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.
- [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 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.
- [17] 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.
- [18] 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.
- [19] Chansamut,. A, Supply Chain Management Information System Model for Agricultural Management in a Large Plots in Thailand. International Journal of Supply Chain Management(IJSCM). Vol 11 No 4 , 29-32. 2022.
- [20] Chansamut,. A, An Information System Model for Higher Certificate Management in Thai Supply Chain. International Journal of Supply Chain Management(IJSCM). Vol 11 No 4 , 45-48. 2022.
- [21] Chansamut,. A, Supply Chain Management Model in Digital for One Tampon One Product Management in Thailand. International Journal of Supply Chain Management (IJSCM). Vol 11 No 4, 63-67. 2022.
- [22] Chansamut,. A, Digital Supply Chain Model for Higher Certificate Management in Thailand. International Journal of Supply Chain Management(IJSCM). Vol 11 No 4, 76-79. 2022.
- [23] Chansamut,. A, The Development of Pattern for Supply Chain in Digital for Manpower Management in Higher Education Institutions. International Journal of Supply Chain Management(IJSCM). Vol 11 No 4 , 88-92. 2022.
- [24] Chansamut,. A, Supply Chain Information System Model for New Breed of Graduate Management for Higher Education in Thailand. International Journal of Supply Chain Management(IJSCM). Vol 11 No 4 , 93-98. 2022.
- [25] Chansamut,. A, Development of Pattern for Supply Chain in Digital for Agricultural Management in a Large Plots in Thailand. International Journal of Supply Chain Management(IJSCM). Vol 11 No 4 , 110-112. 2022.
- [26] Chansamut,. A, Supply Chain Management Information System Operation Model for Service Management in the Library in Thailand. International Journal of Supply Chain Management(IJSCM). Vol 11 No 4 , 113-116. 2022.
- [27] Chansamut,. A, Supply Chain Operation Model in Digital for Service Management in the Library in Thailand. International Journal of Supply Chain Management(IJSCM). Vol 11 No 4 , 124-128. 2022.
- [28] Chansamut,. A, An Information System Model for One Tampon One Product Management in Thai Supply Chain. International Journal of Supply Chain Management(IJSCM). Vol 11 No 4 , 129-131. 2022.
- [29] Chansamut,. A, Digital Supply Chain Model for Higher Certificate Management in Thailand. International Journal of Supply Chain Management(IJSCM). Vol 11 No 4, 76-79. 2022.
- [30] Chansamut,. A, Supply Chain Pattern in Digital for Higher Education Management According to Education Criteria for Performance Excellence. International Journal of Supply Chain Management (IJSCM). Vol 11 No 5, 11-5. 2022.
- [31] Chansamut,. A, Supply Chain Model for Universities Management According to Education Criteria for Performance Excellence in Thailand. International Journal of Supply Chain Management(IJSCM). Vol 11 No 5, 16-19. 2022.
- [32] Chansamut,. A, Supply Chain Management Information System Model for Electric Power Management in Thailand. International Journal of Supply Chain Management(IJSCM). Vol 11 No 5, 28-32. 2022.
- [33] Chansamut,. A, Supply Chain Management in Digital System Model for Product Management for the Bank in Thailand. International Journal of Supply Chain Management(IJSCM). Vol 11 No 5, 33-38. 2022.
- [34] Chansamut,. A, Supply Chain Management Model in Digital Geographic for Educational Management in Higher Education Institution. International Journal of Supply Chain Management(IJSCM). Vol 11 No 5, 39-42. 2022.
- [35] Chansamut,. A, Geographic Information Systems Model for Curriculum Management on Cloud Computing in Supply Chain for Higher Education Institution. International Journal of Supply Chain Management (IJSCM). Vol 11 No 5, 50-54. 2022.

- [36] Chansamut,. A, Supply Chain Management System Model in Digital for Electric Power Management in Thailand. International Journal of Supply Chain Management(IJSCM). Vol 11 No 5, 55-58. 2022.
- [37] Chansamut,. A, Pattern of Supply Chain for Manpower Management for Higher Education Sandbox in Thailand. International Journal of Supply Chain Management(IJSCM). Vol 11 No 5, 59-62. 2022.
- [38] Chansamut,. A, Supply Chain Management Information System Model for Product Management for the Bank of Thailand. International Journal of Supply Chain Management(IJSCM). Vol 11 No 5, 73-76. 2022.
- [39] Chung,P.,Chung,Mia Chung, Jingjungvisut S., Purohit, M Open Development Thailand. Available at <https://data.thailand.opendevopmentmekong.net/en/profile/special-economic-zones-thailand-july2020>
- [40] Leal Jamil,G,. Soares, A.L,. Magalhães Pessoa, C.R.2017.Information management systems in the supply chain. Available at <https://www.igi-global.com/chapter/information-management-systems-in-the-supply-chain/166823>
- [41] Mezouar, H., Afia, A.EI.2018. A Retirement Pension from a Supply Chain Side: Case of the Moroccan Retirement Pension available at https://www.researchgate.net/publication/321019195_A_Retirement_Pension_from_a_Supply_Chain_Side_Case_of_the_Moroccan_Retirement_Pension