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Digital System in Supply Chain for Elderly Care Management in Thailand

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Abstract— **The review article title digital system in supply chain for elderly care management in Thailand aim to present tax management through a supply chain applying for better effective tax management The elderly care management needs to be appropriate to changes of globalized economy and society. The processes consisted of Suppliers, Government organization , Satisfaction and service , Customer, Satisfaction and feedback .All element connect with digital in the Thailand with the supply chain. This truly added the society in Thailand .The supply chain will be applicable for elderly care in Thailand.**

Keywords— *Digital System in Supply Chain, Elderly Care, Thailand*

1. Introduction

Nowadays, Thailand will become a full-fledged aged society. The increase in aging population escalates the demand of healthcare and the continuum of care. Many Agencies is the main responsibility organization to manage the elderly care system in the community. Thailand was decentralized authority in long term care for dependence elderly in 2018 for plan itself to be prepared for a total matured society. There are four challenging issues counting 1) the advancement of families and communities quality by advancing and supporting the quality of social capital in terms of individuals, teach (family, community, religion), culture and shrewdness., 2) the application of great administration standards in elderly care framework administration by clearly setting arrange and budget,3) the administration of human assets both in wellbeing and society angles, and increment caregiver preparing in community particularly casual caregivers in arrange to have enough caregivers for each communities , benefit show which is secured all partners centered on quality, and associated and coordinates

each divisions in arrange to supply quality of care for all elderly bunches. The readiness of Thai will lead to the status and the capacity of Thai to be effectively overseen of elderly care system for the challenging within the full-fledged matured society [1] A concept about supply chain management and digital It is because the business needs to be highly competitive 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 the key process to support the organization's whole activities system from upstream to downstream. [1] Based on this realization, the researcher has recommend academic article about digital system in supply chain for elderly care management in Thailand..

2. Digital in supply chain

All participants in a supply chain group can communicate with one another in real-time thanks to digital systems. This approach leverages transportation management systems from a logistics or operations perspective. The agency can improve visibility and communication throughout the process by utilizing transportation management systems.
Before we proceed, it's crucial to comprehend the role that digital systems play in the supply chain. It alludes to enhancing supply chain systems by utilizing the most recent technological advancements, including internet of things, block chain, machine learning, internet of things, and predictive analytics.
These teams look for more effective ways to complete the same duties as they were previously, but it isn't always as simple as switching from pen

and paper to a digital solution. Digital supply chains aid in boosting productivity, investigating new business opportunities, and enhancing teamwork. The supply chain is the supply chain, to put it simply.

Digital supply chain management advantages

1 One Simplified Operation

All participants in a supply chain group can communicate with one another in real-time thanks to digital supply chain management.

2 improved cost effectiveness

By reducing the likelihood of errors, digital supply chain management lowers risk and makes it simpler to achieve better results. Digital technologies eliminate the need for paper-based procedures or paperwork, resulting in quicker processing times, more efficiency, and the crucial audit trail.

3 Enhanced Cooperation

Digital supply chain management strategies tend to promote partner collaboration for organizations. Using digital technologies, everyone is on the same page because they are frequently easier and more clear.

Organizations are able to communicate more effectively and clearly by switching to the cloud. Better competitive performance may be the outcome of this teamwork. Additionally, this increases organizational agility, making it simpler and quicker for organizations to make decisions based on new information in real time.[9]

3. Supply Chain Management and Digital for elderly care management in Thailand

Suppliers mean persons who have attained the age above complete sixty years and are of Thai nationality. They will provide specific details about the elderly to relevant organizations. An organization will carry out its implementation and assessment duties for the elderly. It is founded on the idea that all supply chain tasks and activities can be broken down into four basic steps: plan, source, make, and deliver of each activity with the purpose of enhancing societal value. They can submit requests for admission using a computer system that can methodically process and store the data. Figure 1 depicts the evolution of Thailand's supply chain's digital system for managing aged care.
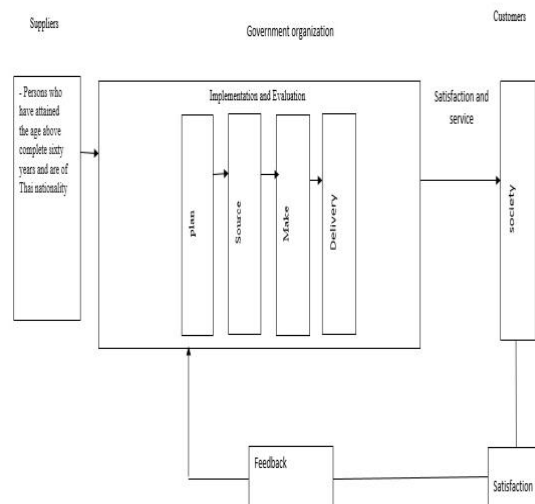

Figure 1 : Digital system in supply chain for elderly care management in Thailand

Table 1: Component of Suppliers, with Its Stakeholders, Activities, and Needs for data

Suppliers	Activities in supply chain	Needs for data
Stakeholders: persons who have attained the age above complete sixty years and are of Thai nationality	-Providing comprehensive details about the elderly	-Real-time data visibility

Table 2: Component of government organization with Its Steps of elderly care implementation and evaluation, Activities, and Needs for data

Agencies	Activities in supply chain	Needs for data
Steps of elderly care implementation and evaluation 1 plan	1 To establish, with the Cabinet's agreement, policies and major programs for the status, functions, and activities of the aged. To this purpose, family caregivers for the elderly will be encouraged and supported. 2To provide a framework for carrying out the policies and major programs covered by (1), including to coordinate, monitor, and assess	- To be easily accessible.

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Table 2: (Continued)

Government organization	Activities in supply chain	Needs for data
Steps of elderly care implementation and evaluation 1 plan	performance outcomes under these main plans and strategies. (3) To think about assisting and supporting government and private organizations that work to serve and develop the aged. (4) To establish the rules governing the Fund's management, interest-seeking, and administration under the Ministry of Finance's approval in accordance with Section 20 (1). (5) To establish the rules for approval of contributions for the protection, promotion, support, and provision of senior welfare in accordance with Section 20. (2).	- To encourage and speed up

Table 2: (Continued)

Government organization	Activities in supply chain	Needs for data
Steps of elderly care implementation and evaluation 1 plan	(6) To establish the rules governing the creation of reports on the Fund's financial situation and management in accordance with Section 20. (3). (7) To establish the rules for money receipts, payments, and the safekeeping of the Fund with the Ministry of Finance's consent in accordance with Section 21.	- To encourage and speed up
2 Source	(8) To establish further relevant rules for adhering to and observing this Act (1) To develop the framework for the Committee's recommended policies and major initiatives addressing the protection, promotion, and support of the status, roles, and activities of the aged. ,	

Table 2: (Continued)

Government organization	Activities in supply chain	Needs for data

Table 2: (Continued)

Government organization	Activities in supply chain	Needs for data
Steps of elderly care implementation and evaluation 2 Source	(2) To gather data, information, researches, studies, and to create projects concerning the assistance, promotion, and protection of the aged. (3) To act as the focal point for the coordination, dissemination, and promotion of projects or initiatives involving the aged. (4) To set up an aging care system rooted in the community. (5) To collaborate and plan with the federal, state, municipal, and tribal governments, state-owned businesses, and other organizations to make it easier for senior citizens to seek protection,	- To encourage and speed up.

Table 2: (Continued)

Government organization	Activities in supply chain	Needs for data
Steps of elderly care implementation and evaluation 2 Source	Promotion and assistance that they are eligible for under this Act and any other applicable laws (6) To keep an eye on and assess the work being done in accordance with the main plans of the concerned agencies, and to report findings to the Committee. (7) To provide recommendations to the Committee about the adoption or modification	- To encourage and speed up

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Government organization	Activities in supply chain	Needs for data
3 Make	of laws pertaining to the preservation, enhancement, and support of the status, functions, and pursuits of the aged. 1) Medical and public health services are given, in particular, with consideration for the elderly's convenience and speed. (2) Education, religion, as well as relevant news and facts for daily life. (3) The right jobs or training for those jobs	

Table 2: (Continued)

Government organization	Activities in supply chain	Needs for data
Steps of elderly care implementation and evaluation 3 Make	4) Personal growth and social interaction, including joining a network or community. (5) The provision of facilities and safety specifically for the aged in structures, locations, vehicles, or other public services. (6) Adequate funding for transportation costs. (7) Freedom from paying admission charges for public buildings. (8) Support for any elderly person in danger of being tortured, exploited for profit, or abandoned. (9) Advice and consultation on additional legal actions related to a case or the resolution of family issues (10) Comprehensive shelter, food, and clothing support as required. (11) Help with conducting their customary funerals	- To encourage and speed up

Table 2: (Continued)

Government organization	Activities in supply chain	Needs for data
Steps of elderly care implementation and evaluation 4 Delivery	Detailing of elderly care usage	- To encourage and speed up

Table 3: Component of customers, with activities and needs for data

Customers	Desirable Qualities	Needs for data
Society	Questionnaires to assess the satisfaction [2][3],[4],[5][6] and [8]	-Information that's simple to assemble, to prepare and to recover

Explanation on elements about digital system for elderly care management in Thai supply chain 5.1

3.1Suppliers

Suppliers mean persons who have attained the age above complete sixty years and are of Thai nationality.. They can apply for admission via the computer system that can process and store the data systematically.

3.2 Government organization

Government organization means service provider . An agencies will perform its duty of elderly implementation and evaluation It is based on the consideration that all supply chain tasks and activities can be assigned to four fundamental processes - plan, source, make, deliver of each activity

3.3 Satisfaction and service

Satisfaction and service mean service from Government organization namely Ministry of Social Development and Human Security, Ministry of Public Health, Ministry of Culture, Ministry of Labour, Ministry of Interior and Ministry of Education.

3.4 Customers

Customers mean the end-of-process component of the society. Finally, the finished tax will provide added value to the supply chain.

3.5 Satisfaction

Satisfaction refer to the assessment questionnaire with digital system are assigned.

3.6 Feedback

Feedback the data obtained from satisfaction analysis. [2],[3],[4],[5],[6],[7] and [8]

4. Conclusion

Digital system in supply chain for elderly care management in Thailand consists of Suppliers, Government organization , Satisfaction and service , Customer, Satisfaction and feedback All element connect with digital system in the Thailand with the supply chain. This really included the society in Thailand .The supply chain will be appropriate for elderly care administration from upstream to downstream. It empowers the organization to instantly check the advanced framework to guarantee that the organization great condition and successfully based on anticipated esteem.

5. Recommendation

If possible it should be implemented in the Revenue Department. The feedback information from the implementation could be used to further revise .

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