

**THE CONCEPT PAPER OF THE LOGISTICS CONFERENCE 2025 ON THE
THEME OF “LEVERAGING ADAPTIVE LOGISTICS IN BUILDING RESILIENT
SUPPLY CHAINS IN A VOLATILE GLOBAL ECONOMY”**

1. In an era characterized by uncertainty and rapid change; adaptive logistics has become a transformative strategy that allows businesses and nations to navigate disruptions and ensure resilience. Adaptive logistics refers to the ability of supply chains to respond swiftly to dynamic challenges, such as market fluctuations, geopolitical shifts, natural disasters, and technological advancements. This strategic approach integrates key components such as flexibility, real-time tracking, collaboration, and advanced technologies like Artificial Intelligence (AI), Block chain, and the Internet of Things (IoT) to enable seamless operations. For nations like Sri Lanka, where economic stability and global competitiveness depend on robust supply chains, getting into adaptive logistics is not merely a choice but a necessity.

2. Therefore, the intricate interplay between adaptive logistics, resilience-building, and sustainability is crucial in managing logistics within a volatile global economy, serving as a catalyst for modern logistics management.

Digital Transformation in Supply Chains: Leveraging Technology for Agility and Efficiency.

3. In the rapidly evolving global economy, digital transformation in supply chains offers a powerful solution to enhance efficiency, adaptability, and resilience, particularly for countries like Sri Lanka, which faces unique challenges such as policy changes, natural disasters, and market fluctuations. As a key trade hub in the Indian Ocean, Sri Lanka's economy relies heavily on efficient supply chains, and digital transformation through tools like IoT for real-time tracking can optimize exports, reduce losses, improve port operations, support SMEs, and boost competitiveness. By investing in technology and innovation, Sri Lanka can build a resilient logistics ecosystem, strengthen its global trade position, and drive sustainable economic growth in an interconnected world.

4. Additionally, cyber security in Supply Chains with increased digitalization, addressing cyber risks in logistics could be valuable and Resilience in Maritime Logistics given Sri Lanka's maritime positioning, specific discussions on naval and maritime logistics resilience could add value.

Risk Management and Crisis Response: Building Resilience to Global and Local Market Fluctuations.

5. In today's interconnected world, supply chains face growing vulnerabilities from natural disasters, policy changes, pandemics, conflicts, and economic fluctuations, necessitating robust risk management and crisis response strategies. For Sri Lanka, a nation recovering from bankruptcy and heavily reliant on global markets, building resilient supply chains is critical for economic stability and global competitiveness. By getting into adaptive logistics strategies, fostering flexibility, and investing in proactive measures, Sri Lanka can mitigate disruptions, safeguard its economy, and strengthen its position in global trade. The focus on real-world examples, best practices, and innovative solutions will equip industry professionals with the tools to enhance supply chain resilience, ensuring business continuity and economic stability in an increasingly volatile global economy.

RESTRICTED

Sustainable Logistics Practices: Incorporating Environmental Responsibility into Supply Chains.

6. Sustainable logistics practices are essential for addressing environmental degradation and enhancing supply chain efficiency, particularly in a volatile global economy facing climate change, resource scarcity, and disruptions. By integrating renewable energy, fuel-efficient vehicles, eco-friendly materials, and strategies like route optimization and circular supply chains, businesses can reduce emissions, conserve energy, and minimize waste. Collaborative efforts among stakeholders further amplify these benefits, fostering resource efficiency, reduced environmental impact, and long-term economic stability. For Sri Lanka, adopting sustainable logistics through green technologies, efficient transport systems, and strategic partnerships can transform its logistics sector into an environmentally responsible model, supporting both local and global sustainability goals while boosting economic stability and global competitiveness. Further sustainable logistics section with actionable strategies such as, partnerships with renewable energy firms, waste reduction pilots in Sri Lankan ports ensure efficient logistics practices in future.

The Goal of the Concept

7. The theme concept aims to identify the significance of adaptive logistics management, offering a platform for experts, thought leaders, practitioners, academic professionals and students to engage in insightful discussions, share groundbreaking ideas, and collectively chart a course towards economic resilience.

8. Through a comprehensive exploration of cutting-edge strategies and best practices, this concept seeks to empower participants with the knowledge and tools necessary to navigate the challenges of today's dynamic economic landscape and build a robust foundation for the future.

Aim of the Conference

9. The aim of Logistics Conference 2025 is to enhance the knowledge and expertise of student officers and logistics professionals through the presentation of research papers, fostering collaboration, and promoting innovative solutions in logistics management.

Objectives

10. The objectives of the Logistics Conference 2025 are as follows;

- a. To allow Course Participants (CPs) of the LLMC No. 09 to be involved in organizing the conference and update their knowledge by participating/ witnessing the event.
- b. To create an environment for all officers in the SLN to present their papers in the logistics field.
- c. To extend an invitation for relevant government agencies, corporate stakeholders, higher professionals, educational institutions, all the universities and benchmarked corporate sector organizations in the country to participate in the forum by presenting papers relevant to the theme of conference, thus recognizing Naval & Maritime Academy (NMA) and the Sri Lanka Navy as a professional entity in the field of the logistics.
- d. To extend an invitation for equivalent courses of sister services, Sri Lanka Police and foreign armed forces.

RESTRICTED

RESTRICTED

- e. To develop the knowledge of officers of the Logistics Branch in the field of logistics management.
- f. To develop logistics awareness of all other branch officers.
- g. To share and update the knowledge among the participants.
- h. To propose policy recommendations to public and private sector.

Venue

11. The venue of the Logistics Conference 2025 is Admiral Wasantha Karannagoda Auditorium, Naval & Maritime Academy, Trincomalee.

Date

12. The Logistics Conference Trincomalee - 2025 will be held on 31 May 25. The event will be spearheaded by Naval & Maritime Academy tasking the CPs of LLMC No. 09.

Composition

13. The composition of the Logistics Conference 2025 shall be;
- a. **Sri Lanka Navy**. It provides an opportunity for the Naval personnel to present papers and assist in enhancing their knowledge of adaptive logistics management.
 - b. **Government Institutions**. The participation of sister services, government universities and Institutions provides SLN officers with an opportunity to impart knowledge and also allows SLN logisticians to build a network.
 - c. **Corporate Sector Experts/ Organizations**. Inviting corporate sector experts to deliver speeches and share knowledge on modern practices of the corporate sector with SLN for necessary improvements.

Participants

14. Proposed participants for the Logistics Conference 2025 are;
- a. SLN officers.
 - b. Officers from the Sri Lanka Army, Sri Lanka Air Force and Foreign Armed Forces who are involved in logistics.
 - c. Representatives from leading Universities/ Higher Educational Institutions in Sri Lanka (including the Intellectuals and Students).
 - d. Representatives from the Corporate Sector.
 - e. All Officer Under Trainees of NMA.
 - f. Invitees of government sector including Sri Lanka Police.
 - g. Approximate number of participants will be six hundred (600) participants.

RESTRICTED