



To address the challenges of information asymmetry, counterfeits, and lack of transparency in the supply chain, this study follows a system-of-systems approach and contributes toward the development of a secured traceability system for the textile and clothing (T&C) sector. It examines traceability implementation at the product and information levels. For the former, the thesis introduces a secured traceability tag for textiles, which is hard to copy and can withstand washing and abrasion. Further, the thesis empirically explores and classifies traceability information that can be shared at the business-to-business and business-to-customer levels. Subsequently, it proposes a blockchain-based framework for implementing information traceability in the T&C supply chain.

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# CONTRIBUTION TO DEVELOPMENT OF A SECURED TRACEABILITY SYSTEM FOR TEXTILE AND CLOTHING SUPPLY CHAIN

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