

**HUB LOGISTICS SYSTEM
(AN E-LOGISTICS PLATFORM)**

E. Pikhika Kaumadi De Silva

This dissertation submitted in partial fulfilment of the requirement for the Bachelor of
Science (Honours) degree in Business Information System

**School of Computing & Engineering
Informatics Institute of Technology, Sri Lanka
in collaboration with
University of Westminster, UK**

2020

Abstract

Sri Lanka is an Export Oriented Country and revenue of the exports directly affects to the economy of the country. In order to complete a good quality export, logistics process should be perfect for the relevant export ; That means Logistics Performance Index should be high. But currently, overall LPI of Sri Lanka is low. So that main objective of the project is to analyse the existing logistics process, issues / weaknesses in it and to design , develop and evaluate an IT solution which would overcome the issues which are faced by the stakeholders in an export.

Under the Literature review section, background of the logistics process was critically analysed through many factors ; what is export and logistics, importance / effectiveness of the logistics, Logistics performance and current process in Sri Lanka etc. Once the key stakeholders of the logistics process were identified, interviews were conducted with those stakeholders to confirm the problem domain , analyse current logistics process and collect requirements. An industry survey was shared with them and more stakeholders as well.

Based on the context & background along with the gathered requirements, an IT solution called "Hub Logistics platform" was designed and developed under software development methodologies and project management approaches to overcome the issues in existing process.

When the solution development was completed, it was evaluated by the selected group of industry evaluators and got the necessary feedback and suggestions for future developments.

Key Words :- Logistics, Visibility, Weak Coordination, E-logistics, LPI, Exporter, Logistics process of Sri Lanka, Logistics platform, Stakeholders of logistics, e-logistics