



FACULTY OF GRADUATE STUDIES  
GENERAL SIR JOHN KOTHALAWALA DEFENCE UNIVERSITY

**INHOUSE OR OUTSOURCE: ALLOCATION OF  
VEHICLE TO THE OFFICERS INSRI LANKA NAVY**

In partial Fulfillment of the Requirements of the Degree of Master Logistics  
Management

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## ABSTRACT

Sri Lanka Navy is one of the biggest Organizations in the country which makes sure national security by securing the sea and the land. Human resources are the most important contributory factor for its success. Employee motivation has become one of the paramount factors in order to make this nationally important function in order to make sure the national security of the country. The vehicle requirement of the Sri Lanka Navy is being partly facilitated by outsourcing basically and the balance is represented by in housing bases. The perception towards Outsourcing is identified by the middle-grade officers on different platforms. In order to understand their concern on which areas they are satisfied with outsourcing and in which areas they are happy about the in housing is the whole expectation behind this study. In order to identify this relationship and the impact, the variables such as perceived cost-related factor perceived human related factor, perceived organization-related factors, perceived quality-related factors, perceived maintenance related factors, perceived Technology related factors were taken as independent variables while the Outsourcing decision was taken as the dependent variable. The summary of the objectives is to see how each independent variables influence the dependent variable. For that data were collected from 423 middle-grade Navy officers in the service using the simple random sampling method. A quantitative study was conducted by using a structured questionnaire method. As the preliminary tests, reliability test was estimated and the reliability was well up to the standard in each variable, and there, the internal consistency was measured using internal consistency reliability, split-half reliability, and interrater reliability wise. Followed by reliability estimation, a validity test was also conducted in the study to see the accuracy of the data collected. After the reliability and validity test, the sample adequacy was tested and the estimation was well up to the standard. Then model fit and the R. square were estimated. the figures made sure the goodness of the data and, the correctness of the rightness of independent variables to predict the dependent variable. Then the coefficient analysis and correlation analysis were conducted. in the correlational analysis, most of the variables were positively correlated with the Outsourcing decisions. Finally, the coefficient analysis was conducted and, in the study, it was proven that human-related factors, organization-related factors, and quality-related factors are the dominant and significant factors to influence Outsourcing decisions finally; it confirms that Navy officers are very much particular on SriLanka Navy more than their benefits. With that, they derive the Outsourcing is a better option than in housing.

Keywords: Sri Lanka Navy, Employee motivation, Outsourcing cost, Maintenance-related

Independent variables, Dependent variable, Structured questionnaire, Simple random sampling, Human Resources, Maintainers, Outsourcing, In-housing.