



Impact of
Individual's Contribution towards Sustainable
Waste Management System
of
Colombo Municipal Council

By
WMMW BANDARA
502MSS19050

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Abstract

The subject study was initiated with objectives of to identify the contribution by Individuals Factors towards Waste Management System for a Country, to determine the impact of the factors of Individual's towards waste management procedures to determine the aspects that can be used to support waste management procedures. Four independent variables were identified namely Demographic factors, Social Factors, Economical Factors and Personal factors of individuals and the dependent variable considered is sustainable Waste Management System of Colombo Municipal Council. The research study is an explanatory type basic research which comes under philosophy of pragmatism. The research approach considered deductive, selected mono type as data choice, the considered time horizon is cross sectional. The author selected quantitative primary data for further analysis. The population considered for the study was residents in the Colombo Municipal Council and according to the simple random sampling techniques respondents were selected and distributed the research questionnaire in digital format. 400 questionnaires were distributed and received 207 responses. Author conducted assumption testing to validate the hypotheses developed with use of literature review and conceptual model. According to the Karl Pearson Correlation analysis, there is positive moderate significant association between demographic factors and social factors of individuals on sustainable waste management of municipal councils and Economic and Personal factors of individuals are having strong positive association with sustainable waste management of municipal council of Colombo. The entire model contributes for the sustainable waste management in municipal council by 51% and balance 49% is by some other factors.

Keywords: *Sustainable Waste Management, Economic Factors of Individuals, Social Factors of Individuals, Demographic Factors of Individuals, Personal Factors of individuals*