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Policy Development for Initiating Green Universities in Sri Lanka: A Case Study Based on the NSBM Green University

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Abstract

The higher educational institutes expand their scope of operational capacities while enhancing the accountability and sustainability in the terms of environment. Similar to the government conventional universities, recently oriented private institutes consecutive to develop the strategies and projects related to green technology. The green campus concept allows operating main functions of the institute, students and staff to utilize energy and resource in sustainable manner. In this paper addresses policies that have initiated to use the resource and energy efficient, the problems occurred during the development of green campus, analyzes based on the impact of the green area to reduce carbon foot print and possible approaches that can be used from other international Green Universities. The study selects NSBM Green University as the location. NSBM Green University is one of the green universities in South Asia and sets an example for the whole South Asia by paving the way for environmental sustainability. The main objective of the study is to identify the potentials of NSBM green university under the framework of green technology. On other hand, the investigation focuses attention on three main scopes namely; reduction of the carbon foot print by expanding the green area, by introducing eco-friendly power generation units and consisted of waste disposal. Meanwhile, the study tries to address the policy framework of the NSBM Green University to promote environmental friendly life style among the university staff and students. The strategies depict application of efficient technologies, and university resource management policy initiatives. The research adopts a case study approach to initially and in depth analysis related to the contextual insights of policy development in the NSBM Green University. The study emerges efficient action cores of energy and resource utilization; it further saves land, energy, water, material and environment protection. The study identifies the attributes like demonstrating green buildings, demonstrating energy efficiency retrofits, demonstrating renewable energy applications, demonstrating energy saving management and finally introducing energy saving management systems. Besides, study reveals NSBM University can strive for a positive reputation through the implementation of the green technology. High level of initiative ideas, sensitive of students for the green campaign and enforcement of the government to motivate for altering green concepts are synthesized in the study as the main results. As the conclusion green master plan is cooperated with green education, culture and activity in the institute.

Keywords: Green university, Policy, Energy