

## Application of Green City Concept for Sustainable Urban Vision Reference to Kandy Municipal Council Area

S. M G W D I P Ganegala<sup>a</sup>, K.G.P.K. Weerakoon<sup>b</sup>

<sup>a</sup> Undergraduate, Department Estate Management and Valuation, University of Sri Jayewardenepura, Sri Lanka  
*diganegala@gmail.com*

<sup>b</sup> professor Department of Estate Management and Valuation, University of Sri Jayewardenepura, Sri Lanka  
*kgpk@sjp.ac.lk*

---

### Abstract

Green city concept is basically offering the greenery investment to enhance the city. It is work as an engine of sustainable growth. The study attempted explores application of Green City Concept for Sustainable Urban vision with special reference to Kandy Municipal Council Area. This research is based on qualitative data. The data were collected from the professional respondent from the urban development authority – Kandy, Municipal council –Kandy, Strategically development project of Kandy, Past literature and the published paper and E – documents. The primary data of this research were collected by using questionnaires conducting face-to-face interviews with respondents. Secondary data used in this research were extracted from development projects, survey maps and other related articles. The study is applied green city concept for sustainable urban vision to Kandy Municipal Council area. The result revealed to identify and analyze the exiting urban problems, identify the applicability of green city concept and formulate the guide line to solve the urban problems. The case study identified there are various unsolved problems occurred in Kandy MC Area. Currently it is increasing the CO<sub>2</sub> with in the Municipal council area. The rapid growth of the city is created the positive impacts as well as negative impacts such as urban crimes, traffic congestion, polluted air, garbage disposal problems. On the other hand environment degradation, un-authorized buildings, destroy the city vision, water pollution can identify as the problem occurred in the city. The study helps to solve the problems with the application of the green city concept.

**Keywords:** Green City Concept, Urban Sustainability, Green City Index, Urban Problems