

**URBAN CLIMATIC DESIGN STRATEGIES
FOR A TROPICAL CITY:
An Analysis of Urban Climate and Thermal
Comfort Variations in the City of Kandy and its
Surrounding**

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A Dissertation Submitted to the

**University of Moratuwa as a partial fulfillment
Of the Requirements for the**

Degree of Master of Science in Architecture

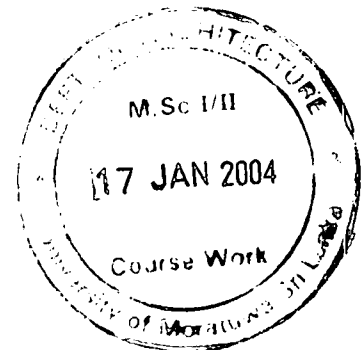
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I declare that this dissertation represents my own work, except where due acknowledgement is made, and that it has not been previously included in a thesis, dissertation or report submitted to this University or to any other institution for a Degree, diploma or other qualification.

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This dissertation is a research study that intends to establish the urban climatic design strategies for tropical cities. As study it analyze the urban climate in selected locations of Kandy city. The focus is on the thermal comfort variations in the city and it's surrounding.

In the present scenario people appear to be shying away from the public use of urban outdoor built environment in the city. As a result of harsh discomfort of the places, that mainly affected areas are the streets in the urban environments. By based on the analysis of existing situations of the study, aims to suggested the means of creating a climatically pleasing built environment with improved urban spatial qualities.



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This study considered the physical conditions, and historical context and further analyzes the on-site measurements that are responsible for improvement of comfortable outdoor built environment in the city.