LB/DON/87/03

EVALUATIVE IMAGE OF CITIES: WITH SPECIAL REFERENCE TO THE CITY OF

KANDY



A dissertation submitted to the Department of Architecture,
University of Moratuwa, in partial fulfillment of the requirement for
the Degree of Master of Science in Architecture.

LIBRARY

UDIVERSITY OF MORATUMA, SMULY

MORATUMA

UDIVERSITY OF MORATUMA

MORATUMA

UDIVERSITY OF MORATUMA

University of Moratuwa, Sri Lanka. Electronic Theses & Dissertations www.lib.mrt.ac.lk

72 "03"
711.4.001.37(5487)

S.R. Rathugama January 2003



79036

UM Thesis coll.

79036

ACKNOWLEDGEMENTS

With a deep sense of gratitude I wish to acknowledge the following, whose most generous contributions in innumerable ways facilitated the realization of this study:

Prof. Lakshman Alwis, Director Post Graduate studies and Senior professor of Architecture, for his valuable advice, guidance and encouragement given through out the course of study.

Prof. Nimal de Silva, Dean, Faculty of Architecture, University of Moratuwa, for his invaluable comments and for imparting wealth of knowledge at several stages of the study.

Dr. Samitha Manawadu, Head, Department of Architecture and the Year master of the Final Year M.Sc. (Architecture) course for kind advice and encouragement given to me through out the study.

Archt. Vidura Sri Nammuni, Senior Lecturer and the Year Master, M.Sc. (Architecture) course, for spending his valuable time, in giving his advice, invaluable comments and for imparting his wealth of knowledge through out the course of Study.

Archt.Prasanna Kulathilake, Lecturer, University of Moratuwa and my supervisor of the study for his invaluable advice, intellectually vigorous discussions, guidance and encouragement given to me at almost every stage of the study and through out the course of this study.

Archt. Rohinton Emmanuel, Senior Lecturer, University of Moratuwa, for the necessary guidance given at the initial stages of the Study.

Archt. Kapila Darmasena, Senior Lecturer, University of Moratuwa, for encouraging me to do a research of this nature and the given guidance and assistance.

Archt.Chris de Saram, Archt. Jagath Munasinghe and Archt. Rawin Gooneratne, Senior Lecturers, University of Moratuwa, for imparting their wealth of knowledge at the initial stages of the study.

Residents of Kandy, who, constantly inspired me during the period of stay at Kandy.

My dear friends, Sumeda, Ruwani, Samantha, Nalin, Gayan, Ravihansa, Malinda and other batch mates for their joyful company and the help extended at needy moments.

My beloved parents, Grand Mother and my two brothers for their support, blessings and love extended all the time.

Uncle and Aunt Doluweera and Ganesh for the very pleasant time shared and for the generous help and encouragement given to me.

Last but by all means not least, Anjana, for her blessings and love extended all the time and for encouraging me and the support given through out the life.

EVALUATIVE IMAGE OF CITIES: WITH SPECIAL REFERENCE TO THE CITY OF KANDY

C	\cap	N	T	FI	N	TS
•		1 1			· •	

	Page No.
ACKNOWLEDGEMENTS	i
TABLE OF CONTENTS	ii-iv
LIST OF TABLES	v
LIST OF FIGURES	v-viii
CHAPTER ONE: INTRODUCTION	1-6
1.1 The Study Premise	
1.2 Need of the Study	
1.3 Research Questions	
1.4 Study Method	
1.5 Scope and Limitations University of Moratuwa, Sri Lanka. Electronic Theses & Dissertations www.lib.mrt.ac.lk	
CHAPTER TWO: EVALUATIVE IMAGE OF THE CITY:	
A BROADER FRAME	7-25
2.1 Image	
2.1.1 Identity	
2.1.2 Structure	
2.1.3 Meaning	
2.2 Image of the City	
2.2.1 City	
2.2.2 Attributes of the City	
2.2.2.1 Distinctiveness of Physical Form	
2.2.2.2 Visibility	
2.2.2.3 Use Significance	
2.2.2.4 Symbolism	
2.3 Imageability of City	
2.3.1 Imageable Elements of a City	

- 2.3.1.1 Paths
 2.3.1.2 Landmarks
 2.3.1.3 Nodes
 2.3.1.4 Edges
- 2.4 Evaluative Image

1

2.4.1 Evaluative image of the City

2.3.1.5 Districts

- 2.4.2 Likeable Features
 - 2.4.2.1 Openness
 - 2.4.2.2 Historical Significance
 - 2.4.2.3 Civility
 - 2.4.2.4 Order
 - 2.4.2.5 Natural Features
- 2.5 Concluding Remarks

CHAPTER THREE: THE IMAGE OF THE CITY OF KANDY

26-41

- University of Moratuwa, Sri Lanka.
 Electronic Theses & Dissertations
 3.1 Kandy- Historical Background lib.mrt.ac.lk
 - 3.1.1 Development as a City
- 3.2 Present Situation
 - 3.2.1 Social Context
 - 3.2.2 Cultural Context
 - 3.2.3 Physical Context
- 3.3 Imageable Elements of Kandy City
 - 3.3.1 Paths
 - 3.3.2 Landmarks
 - 3.3.3 Nodes
 - 3.3.4 Edges
 - 3.3.5 Districts
- 3.4 Attributes of Kandy City and its Elements
 - 3.4.1 Distinctiveness of Physical Form
 - 3.4.1.1 Physical Form of the City
 - 3.4.1.2 Physical Form of Buildings
 - 3.4.2 Visibility

3.4.4 Significance of city	
3.5 Concluding Remarks	
CHAPTER FOUR: THE EVALUATIVE IMAGE OF THE	
CITY OF KANDY	42-67
4.1 Overall Likeability	
4.1.1 Analyses	
4.2 Liked Places	
4.2.1 Environmental Features of Liked Places	
4.3 Disliked Places	
4.3.1 Environmental Features of Disliked Places	
4.4 Public Evaluative Image of Kandy	
4.4.1 Analysis 4.4.1.1Historical Significance 4.4.1.2Natural Features	
4.4.1.3 Civility	
4.4.1.4 Order	
4.4.1.5 Openness	
4.4.1.6 Religiousness	
4.4.1.7 Dislikeable Features	
CHAPTER FIVE: CONCLUSION	68-72
REFERENCES	- 0
	73-75

3.4.2.1 Visibility of the City

3.4.3 Use Intensity

3.4.2.2 Visibility of Buildings

LIST OF TABLES

CHAPTER TWO: EVALUATIVE IMAGE OF THE CITY

- Table 2.1: Intensity Levels of Component Attributes of Physical Form (Verbal Rules) Based on Appleyard (1969)
- Table 2. 2: Intensity Levels of Component Attributes of Physical Form (Graphic Rules) Based on Appleyard (1969)
- Table 2.3: Visibility Scales (Based on Appleyard: 1969)
- Table 2. 4: Use Significance Scales Based on Appleyard (1969)
- Table 2.5: Symbolism Scales Based on Appleyard (1969)





LIST OF FIGURES

CHAPTER TWO: EVALUATIVE IMAGE OF THE CITY

- Figure 2.1: Image of Boston (Based on Lynch: 1960)
- Figure 2.2: City of Colombo -As a product of many constant builders
- Figure 2.3: Distinctive physical environment of a city Potential and visible to City resident (Based on Appleyard : 1967)
- Figure 2.4: Distinctive physical environment of a city Potential and visible to General public (Based on Appleyard: 1967)
- Figure 2.5: Washington 1920: Highly Legible City
- Figure 2.6: Hong Kong 1989- Less Legibility due to similarity
- Figure 2.7: Ebenezer Howard's Garden City (Based on Kostoff 1985)
- Figure 2.8: Imageable Elements of a city
- Figure 2.9: Whitehall Road Birmingham (England)
- Figure 2.10: The Piazza San Macro, Venice- A Landmark (Based on Lynch: 1960).
- Figure 2.11: Times Square New York (Based on Lang: 1994)
- Figure 2.12: Rittenhouse Square
- Figure 2.13: Fresno (California), Fulton Mall 1963- Sense of Openness
- Figure 2.14: London- A City of Historical significance
- Figure 2.15: The Centre Pompidou Place of High Civility
- Figure 2.16: Bath, England-High Naturalness

CHAPTER THREE: THE IMAGE OF THE CITY OF KANDY

- Figure 3.1: The Town and Lake of Kandy: From a drawing by Capt. O' Brien (1864) (based on Senevirathne (1982)
- Figure 3.2: Location of Kandy
- Figure 3.3: The Portuguese captives build fortifications for King Vimala

 Dharmasooriya I (Based on Senevirathne (1982)
- Figure 3.4: Historical Backdrop- Enriched by Colonial influences
- Figure 3.5: High-density of activities in the City of Kandy
- Figure 3.6: View of Yati Nuwara Weediya

- Figure 3.7: Less Parking facilities in the Central Core
- Figure 3.8: Clock Tower- A Land Mark
- Figure 3.9: Bank of Ceylon- Another Land Mark
- Figure 3.10: Sacred area One of the prime districts of the City
- Figure 3.11: Clock Tower Node
- Figure 3.12: Edge of Kandy Lake
- Figure 3.13: Physical Form of Kandy City- 1815AD (Based on ACOMAS: 1996)
- Figure 3.14: City of Kandy (1721)
- Figure 3.15: Distinctiveness of Physical form of buildings

CHAPTER FOUR: EVALUATIVE IMAGE OF KANDY CITY

- Figure 4.1: Environmental Features of the City as mentioned by Residents
- Figure 4.2: World Heritage ness partly depict through Historical Monuments
- Figure 4.3: Kandy Lake Sense of Naturalness
- Figure 4.4: Grid street pattern of the Central Core sense of 'Order'
- Figure 4.5: Temple of Tooth- Most like place of the majority of the Kandyans
- Figure 4.6: Liked Map
- University of Moratuwa, Sri Lanka Electronic Theses & Dissertations
- Figure 4.7: Environmental Features of the Sacred Area as mentioned by Residents
- Figure 4.8: Plan of the Sacred Area
- Figure 4.9: Likeable Features of Lake Front as mentioned by Residents
- Figure 4.10: Lake Front a place with high sense of Freedom
- Figure 4.11: Lake Front- A gathering and a meeting place for friends, lovers, etc.
 - A place of civility
- Figure 4.12: Likeable Features of Botanical Gardens as mentioned by Residents
- Figure 4.13: Botanical Gardens Sense of Naturalness and Freedom
- Figure 4.14: Likeable features of Wales Park as mentioned by Residents
- Figure 4.15: A view of the City from Wales Park
- Figure 4.16: Likeable features of Bogambara Stadium as mentioned by Residents
- Figure 4:17: Likeable Features of Bahirawakanda as mentioned by Residents
- Figure 4:18: Udawattakele
- Figure 4.19: Disliked Map

- Figure 4.20: Dislikeable features of Good Shed Bus Stand as mentioned by Residents
- Figure 4.21: Good shed Bus Stand as a place that spoils the Environment of Kandy
- Figure 4.22: Dislikeable features of Railway Station as cited by Residents
- Figure 4.23: Kandy Railway Station
- Figure 4.24: Clock tower Premises- Sense of Overcrowd ness
- Figure 4.25: Market premises- Sense of less civility, order and naturalness
- Figure 4.26: The Evaluative Image of Kandy City



DECLARATION

"I declare that this dissertation is my own account of my research and contains as its main content work which has not previously been submitted for a degree at any tertiary institution"

S.R. Rathugama

