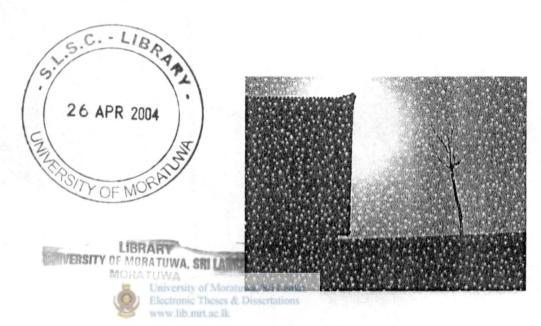
COGNIZANT STREETS:

AN ANALYTICAL STUDY OF ARCHITECTURAL PSYCHOLOGY IN RELATION TO THE SIX SENSES WITH SPECIAL REFERANCE TO URBAN STREETS.



A DISSERTATION SUBMITTED TO THE DEPT. OF ARCHITECTURE FOR THE FINAL EXAMINATION IN M.Sc.(ARCHITECTURE) AND FOR THE PART II OF R.I.B.A.

72 ° 02" 72 : 675.7 (548.7)

MALLAWA ARACHCHI S.K DEPT. OF ARCHITECTURE UNIVERSITY OF MORATUWA SRI LANKA

University of Moratuwa



78179

78179



ABSTRACT

The designers of built environment, the place makers have always be concerned with generating the 'appropriate place'. So many theories, visions and paradigms have been formed through analysis and visionary of numerous designers and architects through out the history on creating 'proper place for 'proper function'.

Still most of the views have placed their emphasis on the visual aspects of the place. The plans, giving rise eventually to the three dimensional form, by which one is environed, and the majestic elevations which create the face of the built environment, the colors, lighting, solid and void ratios, visual proportions, visual balance, all has been subject to extensive analysis.

In all but a few of place making analysis, we find that architecture is not to be seen, but to be felt the stand taken throughout the study. For most probably except the few gifted people known as architects or designers the space is to be felt, rather than to be seen. The elevations are not seen except form far away, the plan form is not recognized, except for the immediate enclosure where one is in, instead the space is felt through all the five tangible sensory organs, to create a visualization, the big picture in our mind, the sixth sense of man. The big visual created through the perceptions obtained through all the senses, makes one recognize each place in a unique way, a way unique in many aspects than just the visual ones.

This base is taken through the study to analyze the street. The street, its unique way of usability than just the conveyer function is analyzed in the study through the concept that the street is a place felt by all the five senses and recognized through the sixth sense.

The analysis is taken further based on the fact various visualizations of the streets by the user is formed by the input they obtain through the five senses. The street formed the base, as street is recognized to be more dynamic a space than the static places which have more rigid characteristics, and are less impulsive on the senses. This study concentrates on analyzing the street, in the sense that it is a place to be felt; felt by all the five senses and to be grabbed or visualized by the sixth sense.

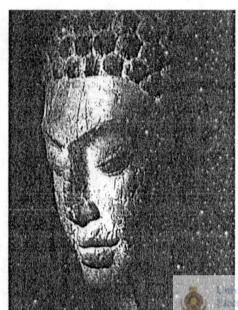


Fig. 0.0.1 The perfect sense of the sense

wersity of Moratuwa, Sri Lanka. Letronic Theses & Dissertations Ww.lib.mrt.ac.lk

ACKNOWLEDGEMENT

The completion of this essay would have been an impossible task without the help of many, who supported me both physically and morally in producing it.

I am profoundly grateful to Prof. Nimal De Silva for giving me the necessary guidance to carryout the study and also Dr. Manawadu, Dr. R. Emanuel, Senior Lecturers of the department of architecture and Archt. Raveen Gunarathne, Lecturer, Department of Architecture, who were always behind me and always made me courage.

I am also tender my heartfelt to my colleges Mahen, Ranjan, and Chamali for their valuable guidance and unreserved assistance given to me to constrain this a success.

I am deeply indebted to my husband, Chandana Without whose help; this could never have been a reality.

University of Moralium, Sri Lanka.

Little These A Dissertations

Last but not least I would like to thank my mother, father, mother-in-low and father-in low for providing me the support and encouragement to carryout the study without any other concerns.



1 .3

C	(N	-	PG.		Market Marketon Artistica	E	N	¥	non-nonconsultable grade, es
ABS	TRAC	Γ										ii
<u>ACK</u>	NOWL	ED	GEM	ENT								iv
CON	NTENT	<u>S</u>										V
LIST	OF IL	LUS	TRA	TION	<u>S</u>							vii
I N	T R	0 1	D U	١	Unive	rsity onic	of Mo	s & Dis	Sri Lank sertations			01
C H	AP	T	E R		0		5					07
ULTIMATE PSYCHOLOGICAL PICTURE AS A COINCIDENCE OF THE SIX SENSUAL EMOTIONS												
	1 -1			sense ion of t					es of	receiving		10
	1 .2	Th	e min	d as th	e six	xth	sen	se				14

Contribution of each organ in composing the Determinative psychological picture.



16



CHAPTER TWO	28
STREET AS A PLACE STIMULATING ALL SENSES	
2 • 1 Street as a place of all sensual inspirations	31
2 2 The street; A definition	34
2 .3 The Background	35
2 -4 Historical background	38
2 •5 Importance of street in the contemporary urban context	41
University of Moratuwa, Sri Lanka. Electronic Theses & Dissertations www.lib.mrt.ac.lk C H A P T E R T H R E	45
MAKING THE STREET A BETTER PLACE FOR COMMUNITY	
3 .1 Characteristics that encourage social presence on street	ts 48
3 . 2 Great streets in the world	63
3 -3 Streets in local context	72
CONCLUSION	78
BIBLIOGRAPHY	81

LIST OF ILLUSTRATIONS

Fig. No.	Description	Page no
0.0.1 0.1.1 0.1.2 0.1.3 0.1.4	The Perfect Sense of the Sense The space in the space Sense of volume Unimpeachable sensation Space filled with a medium	iii 2 3 4 5
1.0.1	The temple as a perfect place in relation to the six senses towards 'Nirvana'.	8
1.1.1	Dynamic change is a property of almost all the objects, still the time it takes differs for each object.	10
1.1.2	The sun set; Bright, Warm and kinetic	12
1.1.3	Channel of the information	13
1.2.1	Devoted to build a perfect mind	14
1.2.2	Concentration of mind	15 15
1.2.3	Art as a strong media which communication with mind	13
1.3.1	Controlled growth of plantation as a psychologically comfort place.	17
1.3.2	Dynamic frame of vision	18
1.3.3	A key frame in a visual signal flow	19
1.3.4	Visual symbol as a direction	19
1.3.5	Contrast and the brightness of the visual signal	20
1.3.6	Light and shadow	20
1.3.7	Visual perspective	20
1.3.8	Sound breaking the silent	21
1.3.9	One could almost hear the sound of horses, and the army in the quiet staircase of the Light House hotel	21
1.3.10	The quietness could almost be felt through the visual, only audible sound being the sound of gust blowing. The	22

	sense inseparably associated with the p	1306
1.3.11	Smell of the sea breeze, a natural	23
	perfume to the place.	
1.3.12	A place where the aroma is almost	23
	seen, rather than felt. Even without	
	the real smell the associated fragrance	
	will be there, to be felt.	
1.3.13	Different natural materials makes	24
	different smells both physically and	
	psychologically	
1.3.14	Taste makes the place complete and	24
	complete the psychological picture	
1.3.15	A beach hotel as an attractive place of	24
	tourists. Fulfills vision, sound, texture.	
	memory and specially smell and taste.	
1.3.16	The texture to do make touch to be	25
	experienced rather than felt.	
1.3.17	The touch is felt through the light and	25
	shade	
1.3.18	Rough tiled texture gently invites for	20
	walker, but not for vehicles	
1.3.19	A waving pond is a surface with a	26
	dynamic texture	
1.3.20	Gradual variation of textures from out	27
	side to inside	
1.3.21	Key frames are caught by the memory	27
1.3.22	It is the memory of this dramatic	28
	sequence of events, that plays the	
	major role in the imagery of place,	
	although the other senses do contribute	e
	to form it.	
1.3.23	Usually the main object or place bind	28
	the whole place to the memory.	
	,	
2.1.1	Performing a multidisciplinary religious	31
	function on street	
2.1.2	A water street	32
2.1.3	Character of the street ever changing	33
	, <u>, , , , , , , , , , , , , , , , , , </u>	
2.3.1	The street is not just for moving	34
	through	
2.3.2	Three different streets.	36
2.3.3	Place for even performing art.	36

2.3.4	The street as a vital open space in densely built cities	37
2.4.1	Radial road network strengthened the city center and the leadership	39
2.4.2	Ancient Chinese street	40
2.5.1 2.5.2 2.5.3 2.5.4	Street, running towards the horizon Modern street with its own character Business street Commercial functions has become a major element of a street.	41 42 42 43
2.5.5	Street is a community room	44
3.0.1	Street as a commercial venue. Buy the things on the way to home	47
3.1.1 3.1.2 3.1.3 3.1.4	Gathering and Public ness. Physically accessible but visually not: Sides defined, but accessible Handrail fixed, as a safety device for the people has become a psychological	48 49 49 50
	barrier as well as a restriction for the accessibility of the street.	
3.1.5 3.1.6	Traditional alleyway. Street provides the opportunity to meet people and talk to each other and comfortable to stay.	51 52
3.1.7	Facilities for public recreation beside the street. breaking the monotonous of the linearity	53
3.1.8	Street as a waiting place, physical and psychological comfort make not the waiting is uncomfortable.	54
3.1.9	The improvement of the psychological picture of a street also supports to the economic stream of the region as well.	55
3.1.10	Transformation of a transport channel in to a public venue.	56
3.1.11	Physically safe but psychologically venturous	56

3.1.10	Transformation of a transport channel in to a public venue.	56
3.1.11	Physically safe but psychologically venturous.	56
3.1.12	Loneliness and visual discomfort due to lack of public activities and gathering. But safety may feels through the 'eyes on the street' and through the sounds and smells of the residences beside.	57
3.1.13	'Eyes on the street'	58
3.1.14	Obtaining the psychological comfort by using more water architecture in hot dry climatic conditions.	59
3.1.15	Open sky is felt both physically and psychologically comfort in winter	60
3.1.16	Use of street as a play ground	61
3.2.1 3.2.2	Bleecker street Low scale facades with different color canopies maintain the visual comfort	ბ3 64
3.2.3	among the medium scale buildings. Open air cafes, Small squares, foods and live music.	64
3.2.4	Cart vender program brought life back to the street	66
3.2.5 3.2.6	Down town crossing, A place of real Las Rambias	68 69
3.2.7	Having the great experience of walking under the canopy of trees sited	70
3.2.8	between the two rows of buildings. Mix use of functions increase the all sensual inspiration	71
3.3.1	High Pedestrian traffic discourage the vehicular traffic	72
3.3.2	Yatınuwara Veediya	73
3.3.3	Street is shaded by both buildings	
3.3.4	and trees People are Moving, Waiting, Chatting, Selling and buying.	73 74

Cognizant Streets

١. .

List of Illustrations

3.3.5	One side of the street is the lake. which help to increase the psychologic	74 :al
	comfort in hot dry climatic condition	
3.3.6	The view of the 'Maligawa' and the	75
	boatyard	
3.3.7	Visual richness	75
3.3.8	The dark quality of the street	76
	increasing the sacredness of the place	:
3.3.9	Queens hotel as a important historic	77
•	building facing to the street.	
3.3.10	Dalanda Veediya	77

