THE UNIVERSAL RHYTHM

An exploratory study on beauty in art with special reference to Architecture

This dissertation presented to Faculty of Architecture

University of Moratuwa
Sri Lanka
for the M.Sc. (Architecture) examination
and exemptions for RIBA part ii

LIBRARY UNIVERSITY OF MORATUWA, SRI LANKA MORATUWA

72 05

M.S.M.N. SENARATHNE
MARCH 2005

University of Moratuwa

85487

85487

M.Sc I/II

19 MAR 2005

Course Work

854-87

Declaration

I declare that this dissertation represent 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.



(Architect: Sithumina Rathnamalala)

ACKNOWLEDGEMENT

This gratitude of mine is given to Pro. Nimal De Silva, the Dean Faculty of Architecture, Senior Lecturer Archt. Vidura Sri Nammuni the Head of Architecture Department. Further it is extended to the year master of year 5 Archt. Jayanath Silva, Archt. Damith Silva and Archt. Gamini Weerasinghe.

My deepest gratefulness is offered to my supervisor, Lecturer Archt. Sithumini Rathnamalala for his words of caution, encouragement in times of despair, his incisive comments, patience and inspiration given to me.

I offer hart heartfelt thanks to my colleagues, Hiran Sandirigama, janaka Moonamalpe, Nuwan Premarathna, Rasika Madurapperuma, and surendra for their valuable support to render in completing this task.

To Ganga Lakmali, evenly for being with me in all despair, encouraging me to the utmost.

Last but not least my greatest gratitude is given to my father, mother and my family members who support me all ways in every struggle.

Preamble

Throughout the history it has been recognized that the human mind is capable grasping of knowledge of two kinds or two modes of consciousness which have often been termed the rational and intuitive.

Rational knowledge is derived from the experience we have with objects and events in our everyday environment. It belongs to the realm of the intellect whose function it is to discriminate, divide, compare, measure and categorize. In this way a world of intellectual distinctions is created of opposites which can only exist in relation to each other, which is why the Buddhist calls this type of knowledge "relative".

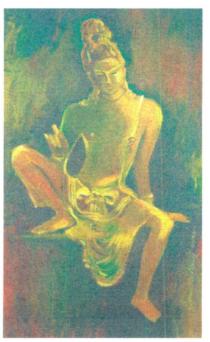
Abstraction is the crucial feature of this knowledge because in order to compare and to classify the immense variety of shapes, structures and phenomena around us, we cannot take all their features into account but have to select a few significant ones thus we construct an intellectual map of reality in which things are reduced to their general outlines. Rational knowledge is thus a system of abstract concepts and symbols characterized by the liner, sequential structure which is typical of our thinking and speaking. In most languages this linear structure is made explicit by the use of Alphabets which serve to communicate experience and thought in long lines of letters words or symbols.

Beauty is almost experienced in rationally, hence, it is being identified as relative and the experience of beauty is differing to each other.

Anyway, it is a perception that beauty is experienced by each human being simultaneously, though its taste differs slightly from one to another.

Therefore it is not relative or conditional, but is transcendental or "absolute". Basically beauty is experienced through an external matter. So what is the reason behind sensations which causes a common experience of beauty? The answer is the ultimate achievement, the universal rhythm.





Contents

02
07
09
12 13 14 17. 18 28 29
30 31 33
36
40 42 42 44 45

49

Chapter three
3. The beauty in architecture

3.1. Absolute beauty in architecture	50
3.1.1. Proportion	53
3.1.2. Unity	64
3.1.3. Balance	68
3.2. Emotional beauty in architecture	69
3.2.1. The spatial beauty	69
3.2.2. The form and shape as generating factors of beauty	71
3.2.3. The color as generating factor of beauty	72
3.2.4. Lighting as generating factor of beauty	74
3.2.5. The texture as generating factor of beauty	74
3.2.6. The solidity and the voidness as generating factors of beauty	77
3.2.7. The scale as generating factor of beauty	78
3.2.8. The ornaments as generating factor of beauty	80
Chapter four	
4. An expletory study on beauty in selected buildings	
4.1. Beauty in "Kandalama" hotel	83
4.1.1. The absolute beauty	83
4.1.2. The emotional beauty	84
Electronic Theses & Dissertations	
4.1.2.1. Texture	85
4.1.2. 2. Lighting	86
4.1.2. 3. Color	87
4.1.2. 4. Solidity and the voidness	88
4.1.2. 5. Scale	89
4.1.2. 6. Ornaments	89
4.1.2. 6. Form and shape	90
	01
4.2. Beauty in Kandy court complex	91
4.2.1. The form and shape	92
4.2.2. The scale	93
	93
4.2.3. The solidity and voidness 4.2.4. Color and texture	94
	94
4.2.5. Ornaments	74
4.3. The proportional analysis of main focal point	95
1.0. The proportional unity on or main room point	,,
Conductor	

Conclusion

Bibliography

List of figures

Figure	page
Figure 1	3
Beauty is omnipresent	5
Figure 2 Miss universe, 1994; the worldly Appreciated, Beauty,	3
Figure 3	8
The dance of Shiva; The cosmic rhythm	ŭ
Figure 4	10
Nature represents the universal rhythm.	
Figure 6	11
The dessert; the organization on cosmic rhythm	
Figure 7	15
The lovers; Rhythm is the proportion	
Figure 8	20
Segmentation of a circle into six parts	
Figure 9	21
Composition of the number sequences of segmentation	
Figure 10	22
Segmentation of a circle into four and eight parts	
Figure 11	23
Segmentation of a circle into four and eight parts	
Figure 12-1	24
Division of a circle into ten parts	
Figure 12-2 ((iii)) Electronic Theses & Dissertations	26
Division of a circle into ten parts www.lib.mrt.ac.lk	
Figure 13	27
Comparative relation ship	
Figure 14	29
Balance in nature	
Figure 15. A	33
mask; An expression, through rhythm. Figure16	37
A fresco from Sigiri; Beauty is timeless.	37
Figure 17	41
A kandian dancer.	71
Figure 18	42
Excellence in composition	
Figure 19	50
Capturing the natural rhythm	
Figure 20	50
Гhe Taj Mahal	
Harmonization with universe	
Figure 21	52
A pyramid of Egypt	
Figure 22	54
St. Etienne, Auxerre	
Figure 23	56
Proportional analysis of the west elevation	

Figure 24	59
South portal triangulation analysis	
Figure 25	63
South portal proportional analysis	
Figure 26	66
Sub division of shapes 1	
Figure 27	66
Sub division of shapes 2	67
Figure 28	67
Sub division of shapes 3	68
Figure 29	08
The sense of stability.	73
Figure 30	73
Color generates emotion.	74
Figure 31	7-
Light and shadows create rhythm.	77
Figure 32 Taytura rayaals the reality	"
Texture reveals the reality. Figure 33	78
Capturing the natural,	70
•	
frequency	79
Figure 34 Scale is wondrous	17
Figure 35	81
A cance of heyand the humanity	01
Chivetsity of Moralitwa, Str Lanka.	83
A blend with nature	55
Figure 37	85
A rhythmic play of texture	
Figure 38	86
Lighting generates the colors	
Figure 39	87
Orchestration of spatial progression	
Figure 40	88
Exterior into interior	
Figure 41	89
A rustic and humble quality	
Figure 42	91
The front elevation	
Figure 43	92
A gorgeous land mark	
Figure 44	93
The scale generates a sense of majestic	
Figure 45	93
A movement and, a pause.	
Figure 46	94
Way to climax	
Figure 47	94
Appearance of building a mundane	0=
Figure 48 Proportional analysis of front elevation	97
PRODOMONIAL ADAIVSIS OF ITODI EIEVALIOD	