

University Of Management and Technology
Department Of Architecture and Planning



Thesis Report
CIVIC CENTER

By;
Malik Ahmed Murtaza
Roll no# 0.32



BAHRIA TOWN LAHORE

ACKNOWLEDGEMENT

I express my deepest gratitude to my professor DR. MUHAMMAD YOUSAF AWAN, who gave me the vision to deal with this project and without whose support and guidance; I could not have done anything. He has been an excellent mentor throughout this semester and continuously motivated me in the right direction.

I express my heartfelt gratitude towards my teacher AR. FAIQA KHILAT who was extremely helpful and helped me reach my deadlines by keeping timely checks. I thank all other faculty members who have been constantly supporting me and gave me the right feedback about my work.

I express my heartfelt gratitude towards my MOTHER whose presence boosted my confidence.

Also, I would like to thank my family my homie Sallu dada and friends back home K.S.A who have been a constant source of encouragement during the course of study.

1 ABSTRACT

The thesis project proposes to explore into the design possibilities for the Civic Center for Bahria town Lahore and extract the richness of the site conditions into architecture through means of computational design. The computational design approach will provide a degree of variance which will be an interesting thing to explore in terms of defining spaces, program and systems. The design would hinge on to one of the major centers of Lahore and aim to enhance social permeability through means of forms and articulation of spaces. It would cater to all classes of people and help in promoting small local businesses thereby weaving into the social and cultural fabric of Pakistan.

2 TABLE OF CONTENTS

Contents

CHAPTER 1: INTRODUCTION	10
1.1 THESIS STATEMENT	10
1.2 AREA OF INTEREST- REASON FOR SELECTION	11
1.3 RESEARCH QUESTIONS	11
Chapter 2: LITERATURE REVIEW	12
2.1 HISTORY AND BACKGROUND	12
2.1.1 WHAT IS A CIVIC CENTER?	12
2.1.2 ORIGIN OF CIVIC CENTER:	13
13	
13	
2.1.3 Space and Time	13
2.1.4 Sense of Place	13
2.1.5 Symbolic Meaning of the Built Environment	14
2.2 GENERAL GUIDELINES FOR THE CIVIC CENTER	14
2.2.1 Design Objectives	14
2.2.2 Site Design	14
2.2.3 Visible Edges	15
2.2.4 Location	16
2.2.5 Architecture	16
2.2.6 Pedestrian Access	16
2.2.7 Rooftops	17
2.2.8 Parking Structure	17

2.2.9 Location	17
2.2.10 Architecture	17
2.2.11 Pedestrian Access	17
2.3 CIVIC CENTER LANDSCAPING	18
2.3.1 General Landscape Standards	18
2.3.2 CIVIC CENTER AREA LIGHTING	19
2.4 How to Design a Modern Civic Centre	20
2.4.1 Obliterate the building/street boundary	21
2.4.2 Embrace the open democracy	21
2.4.3 Care for the community with multi-functionality	22
Chapter 3 Concept	23
3.1 POROSITY IN ARCHITECTURE	23
3.2 Porosity: The Architecture of Invagination	23
	25
	25
	26
Chapter 4: CASE STUDIES	27
4.1 Seattle public library	27
4.2 Wolfsburg Cultural Center	29
4.3 King Abdullah Civic Center	31
4.4 Marin Civic Center	32
4.5 Javits Convention Center	33
4.6 Ofunato Civic Center and Library	35
	37
CHAPTER 5: SITE	38
5.1 MACRO LEVEL	38
5.1.1 BAHRIA TOWN, LAHORE	38
5.1.2 BIOME	38
5.2 MESO LEVEL	39
5.2.1 LOCATION OF THE SITE LAHORE BAHRIA TOWN	39
5.2.2 CONCLUSION: -	40
5.3 MICRO LEVEL: -	40
5.3.1 AREA OF THE SITE	40

5.3.2 ACCESS AND ENTRANCE	40
5.3.3 MAIN ROAD'S NETWORK AROUND THE SITE	41
5.3.2 CONCLUSION:-	42
5.4 TOPOGRAPHY:	43
5.5 VIEWS:	43
43	
44	
5.1.1 Analysis:-	44
CHAPTER 6	45
6.1 PROGRAM REQUIREMENTS	45
6.2 Area Chart for the entire Project Proposal	45
6.3 Program: Macro and Micro	45
6.4 TYPICAL SPACE RQUIRMENTS	47
Micro program: Cultural Block	47
6.4.1 LIBRARY	47
6.4.2 Auditorium	47
6.4.3 ART GALLERY	48
6.4.4 Parking	48
6.5 DESIGN STRATERGY	49
CHAPTER 7: - Design	50
7.1: - Library	50
52	
7.2 Auditorium	56
56	
7.3 Apartments	58
7.4 Coffee shop	62
Chapter 8: - 3d Renders	64
CONDUCT PROGRAM OF THE PROJECT	68
BIBLIOGRAPHY	69

Figure 1 city civic center 13
 Figure 2 interior view 22
 Figure 3 porosity in buildings 25
 Figure 4 porosity on building exterior 25
 Figure 5 porosity in interior 25
 Figure 6 porosity on building exterior Figure 7 porosity on building exterior 26
 Figure 8 urban porosity Figure 9 urban porosity 26
 Figure 10 Seattle public library Rem Koolhaas wireframe diagram 27
 Figure 11 circulation, SPL source Seattle Central Library/ **Continuous collection** 28
 Figure 12 Main Complex-view 30
 Figure 13 : Section, Plans Source: www.greatbuildings.com 30
 Figure 14 portfolio image view Source: [Ai+ architecture.com](http://Ai+architecture.com) 31
 Figure 15 interior view Source: Ai+architecture.com 32
 Figure 16 The Marin County Civic Center Source:en.wikipedia.org/wiki 32
 Figure 17 exterior view Source: - en.wikipedia.org 33
 Figure 18 interior view Source: - en.wikipedia.org 34
 Figure 19 :- Plan –Javits Convention Center Source: www.greatbuildings.com 35
 Figure 20 exterior view 36
 Figure 21 theater 36
 Figure 22 plan 37
 Figure 23 exterior 37
 Figure 24 library 38
 Figure 25 bahria town 38
 Figure 26 urban developed context of the site Source zameen.com 39
 Figure 27 site 40
 Figure 28 site 41
 Figure 29 bahria town urban context 42
 Figure 30 site 43
 Figure 31 site 43
 Figure 32 site view 44
 Figure 33 site view 44
 Figure 34 library plan 52
 Figure 35 floor plan 53
 Figure 36 floor plan 53
 Figure 37 floor plan 54
 Figure 38 library section 54
 Figure 39 library interior view 55
 Figure 40 library interior view 55

Figure 41 floor plan 56
Figure 42 section 57
Figure 43 interior view 57
Figure 44 floor plan 58
Figure 45 Living space interior view 59
Figure 46 section 59
Figure 47 Dining interior view 60
Figure 48 Section 60
Figure 49 Living area interior view 61
Figure 50 floor plan 62
Figure 51 interior view 62
Figure 52 Sitting area in coffee shop 63
Figure 53 Interior view 63
Figure 54 3d view 64
Figure 55 outdoor sitting 64
Figure 56 3d view 65
Figure 57 outdoor sitting 65
Figure 58 3d view 66
Figure 59 3d view 66
Figure 60 Master plan 3D views 67

CHAPTER 1: INTRODUCTION

A civic center is the chief administrative, entertainment and cultural center of the town as a whole. A civic center represents the image of the region and its residents. The building is the center of all societies, of all groups and of every activity. In order to draft a more iconic image of a Civic Center, in order to achieve good results, the new Civic Center is proposed at the heart of the city which is also a financial and commercial magnet. The older building is proposed to be converted into a museum. An efficient, well-organized civic center can best be obtained by the planning for future growth, which characterizes the successful enterprises of an economy. The major goal of this project is to accomplish an integrated design through means of parametric modeling which blends into the existing infrastructure, economy and social fabric and takes care of sustainability and energy issues.

My project introduces itself as an idea of contemporary architecture. Understanding of form, function and their relation would be exhaustively researched and presented. History is verbatim with reference to desire being a soul catalyst for amazing architecture thus creating inspiring imagery, enticing spark to reach zenith. Only a project with exaggerated reality would benefit the requirements. A contemporary norm of architecture would be comprehended in order to sensibly compliment and contrast with existing paradigms and reply with a conclusive design.

1.1 THESIS STATEMENT

Fostering Social Interaction

It is my intent to provide a democratic and vivid urban environment that accesses and connects different socio-economic groups while strengthening urban identity and effecting a change in the negatively perceived public image for civic buildings.

The argument of my thesis lies in the contemptuous behavior directed towards things and in this particular case towards built architecture. Architecture is conceived through form and its expression which when observed lead to some conclusions. Those conclusions can be positive or negative. These conclusions make us believe and comprehend the current architectural situation with a keen sense of form, space and functionality. In response, an architect responds by producing a design. The core premise of this