Institute of Design Environment and Architecture - Architecture Department

Course Content Semester 8

Theory Module 8

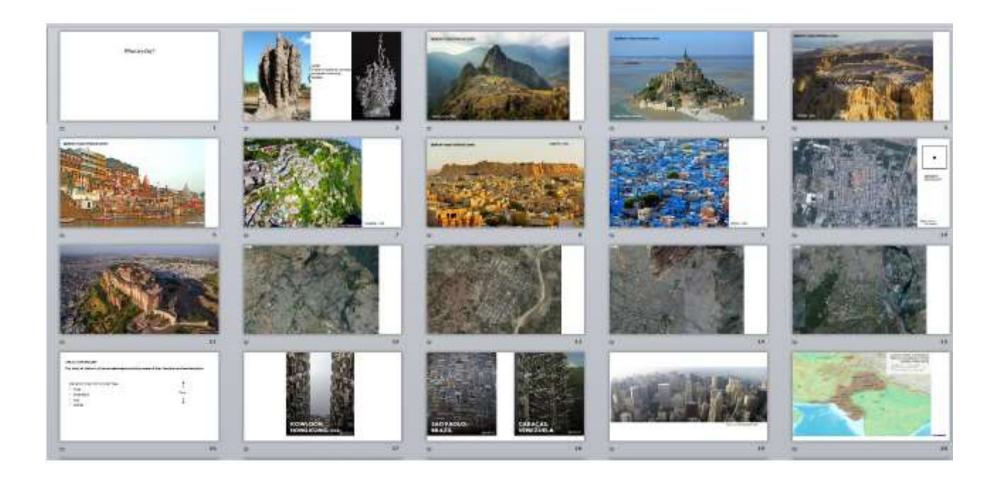
Urban History:

Understanding cities and its physical and cultural context is integral part of the architectural studies. The theory of semester 8 look into urban history. The studies include:

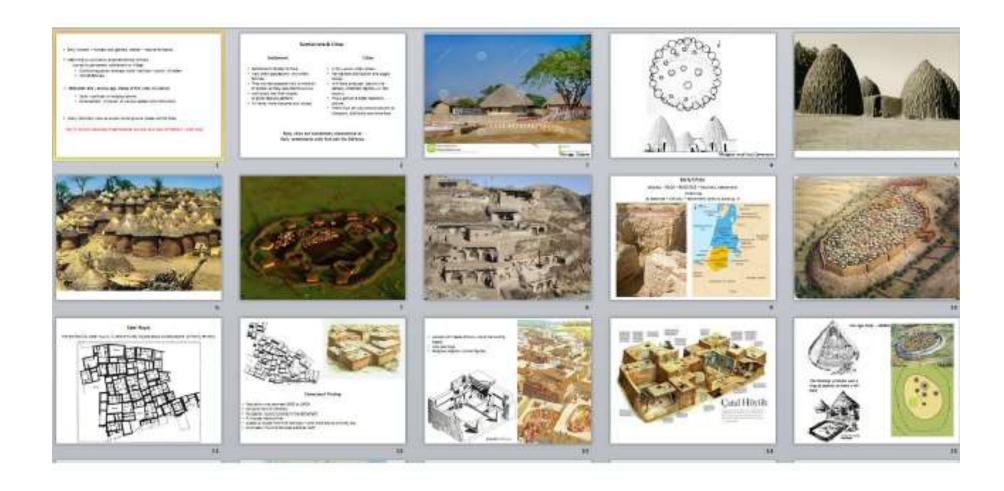
- History of early cities
- The art of building human settlements into Historic cities, Temple cities and todays urban situations
- Introduction and association of urban theories
- Urban projects, city design—scale, impact and reach
- Urban design terminologies

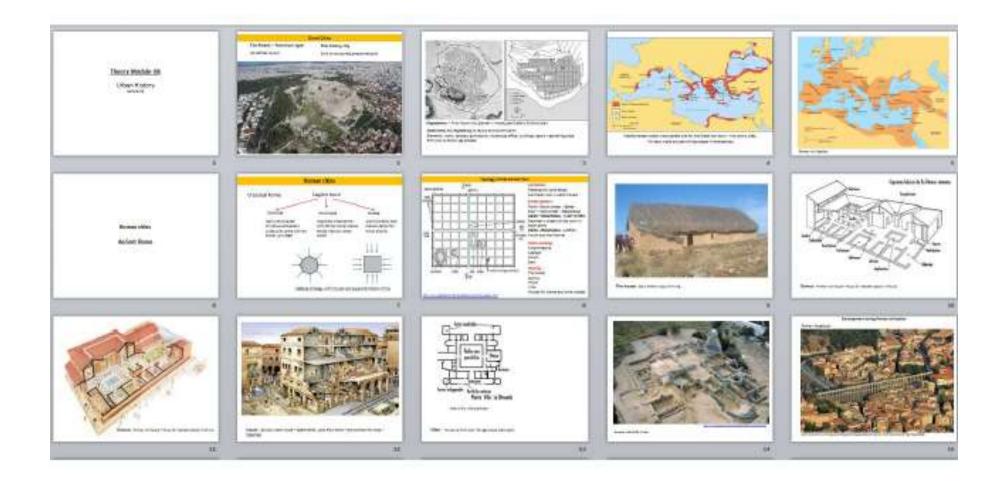
Studying the theories and context of urban situations (field conditions) acknowledging the capacity of new interventions hence establishing understanding towards symbiotic relationships within the cities. Students will have a deeper understanding about old cities and will have better insight for making urban interventions based upon developed theoretical understanding of urban/peri urban situations.

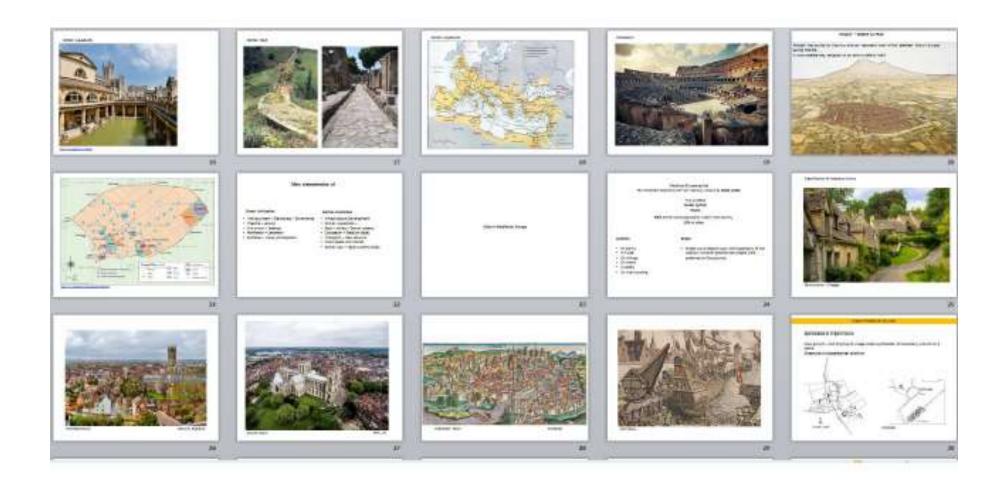
- The focus of the module will look into various urban theories- Traditional and contemporary.
- During the course discussions are brought about the structures of the city, theories behind it.

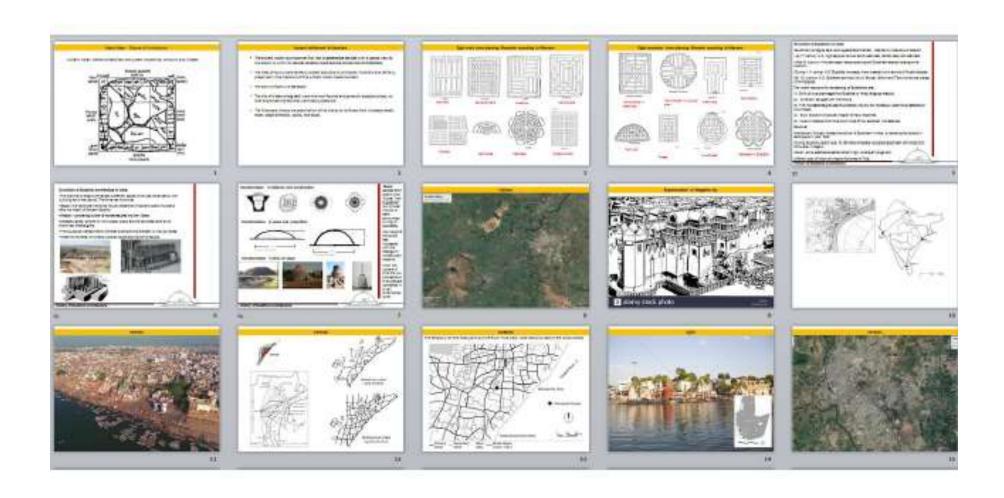


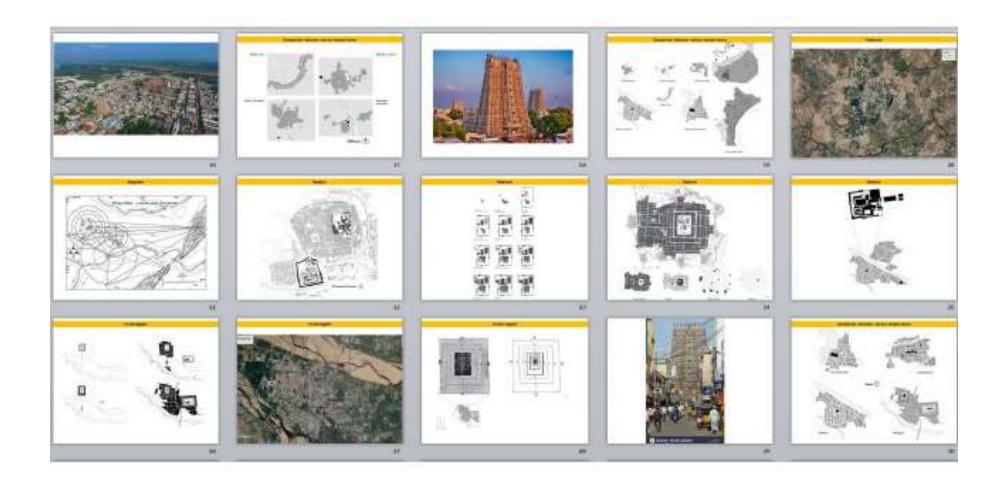


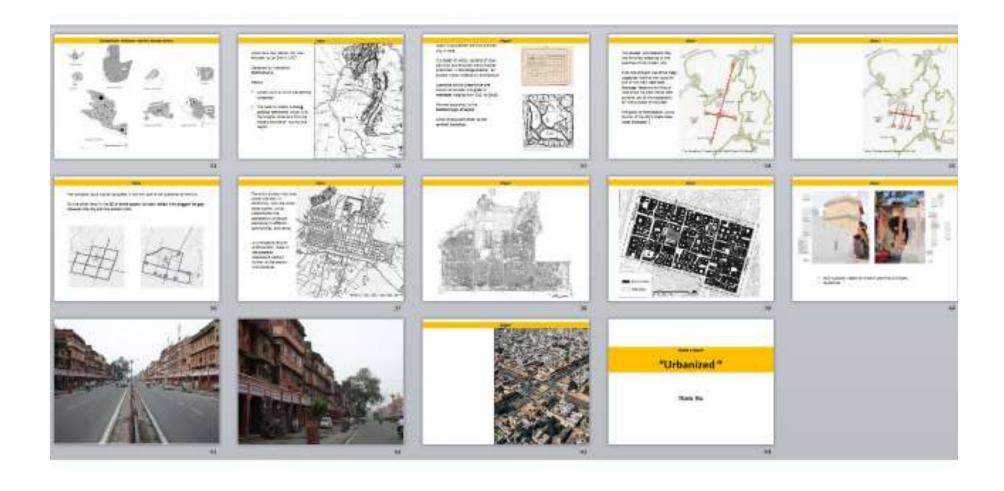


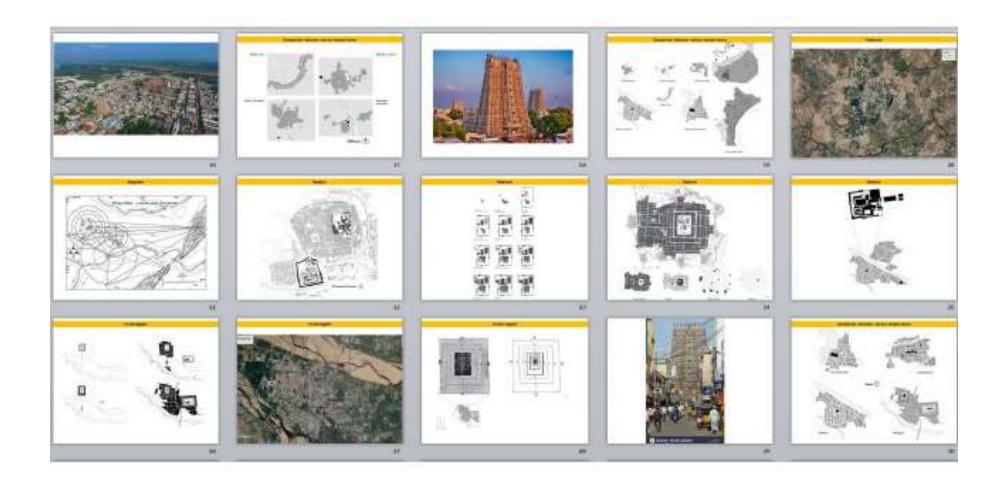


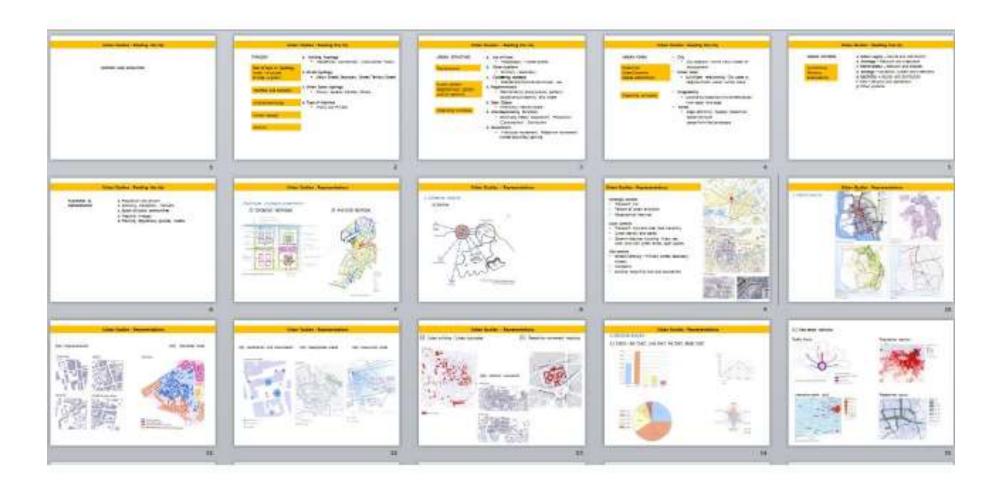


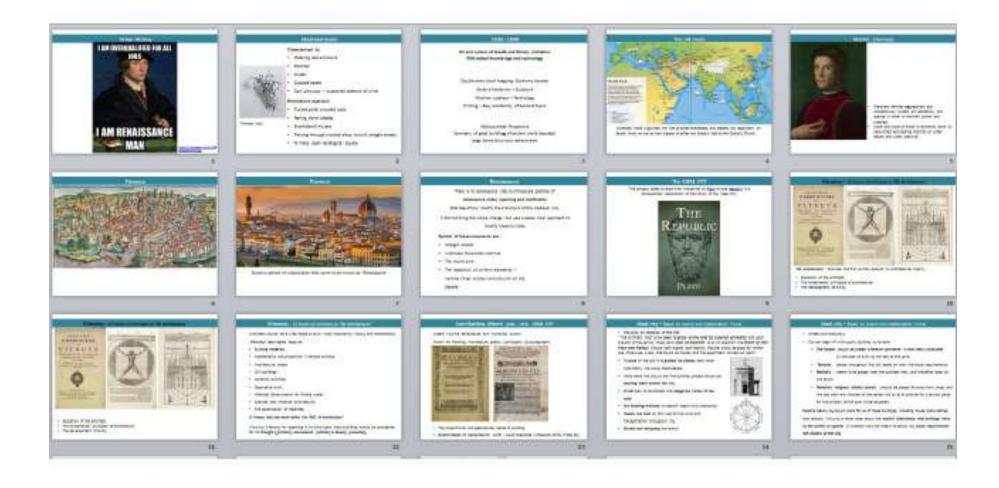


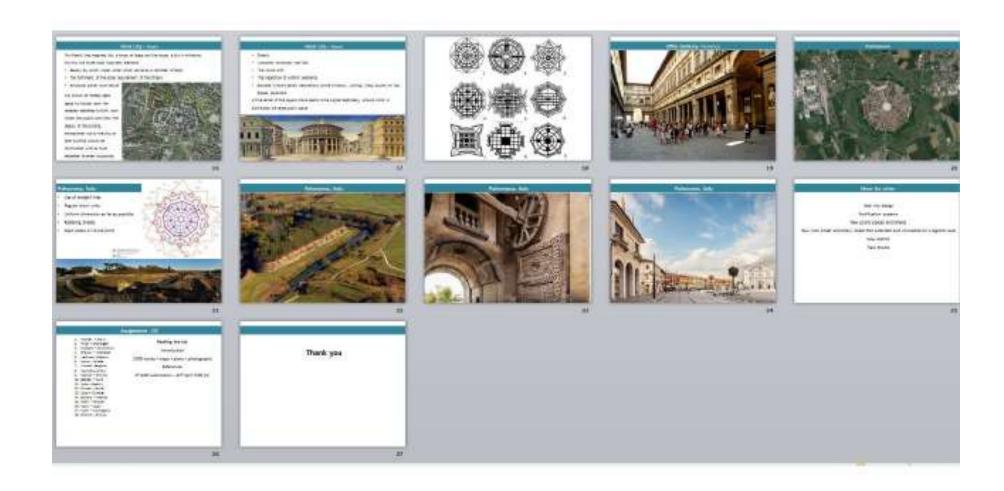




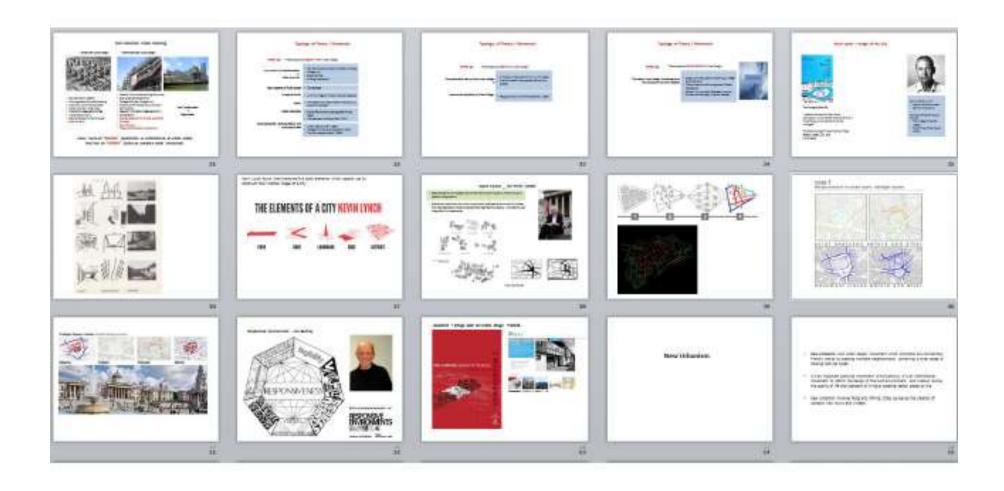


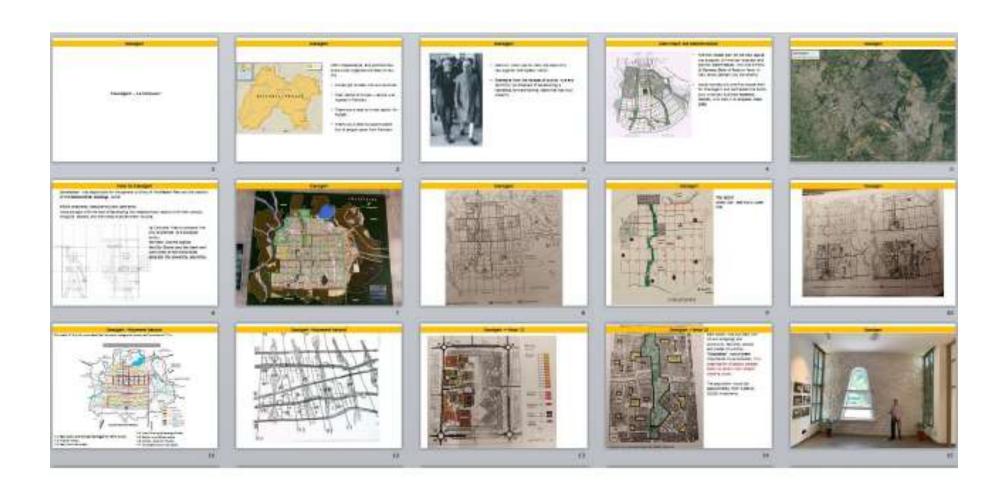


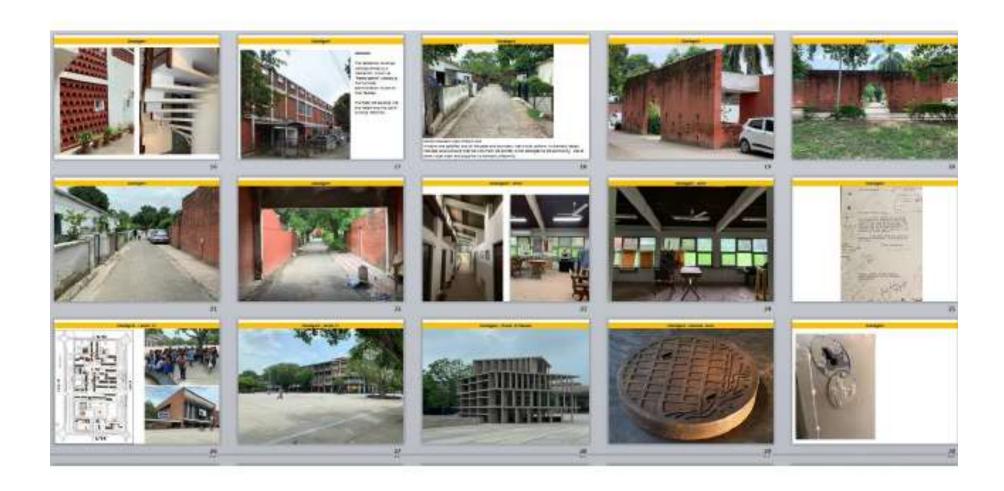






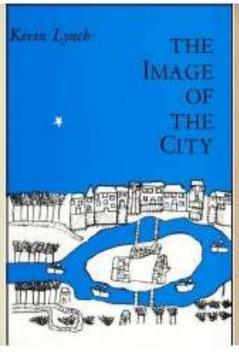


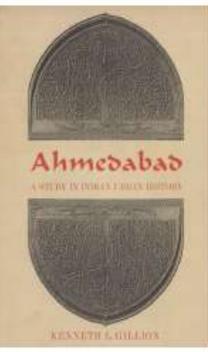




Reading - Books

THE DEATH
AND LIFE
OF GREAT
AMERICAN
CITIES
JANE JACOBS







DOCUMENTS

MOTES ON AHMEDABAG

Professor Patrix Geddes

On a recent that of some days in: (by af the school of Sir Walter Scott November last, I was able to acquain; result with the city in conperacive detail. The question of the demotition of the walls was then put to me, both be the Collector, and by the then acting Municipal Comreissioner, Mr. Melen, I devenul . 1843, through Ruckin, Morris, considerable time and attention to the walls accordingly, throughout their eating course. On a more re- or finally from the archaeologism, own and briefer visit 64th 6th April 1905). I have senie gone over them, and their seighbourhood, section by section.

which has frequently recurred in sentary especially; and with more assally sumanties, cometimes direct assoone, of York at Narenberg,

fand in this connection it is worth reesembering that the restoration of these very walk of Ahmedsbud took place in 1872). Sometimes indirectly, by way of his disciples, as through the Oxford movement of Violett-le-Dur or Sir Gilbert Scott and the later mediacyalist restorers; who are still mountally remarkles, however chilled by a too Germanic science. Similarly the ettackers are for the most part directly of the The dispute before as it one achool of Haussanten in Paris or of one or other of the successors. Dr. Europe, during the latter nineteenth Sogniber of Berlin for choice. To reme a few suggests of the best work frequent, though not invariable say of such school, we own to the first ons to the anack. The defenders are the preservation of the walls of Car-

while to the latter are due the Ring of Vienna, the garden boulevads of Wurnburg, and of Abetes. Each Sde has thus his successes to appeal to, and is not easily record by the arguments of the other, for a perfound difference of temperanent and sentiment divides them: for while the first is fervently romantic, the second is ugo to be cynically contemptaces of all remanderers, and fingly its and hetic satisfactions in inter and more conventionally modem ways.

Intermediate types there are also. partiaking of the character of each school: appreciating for instance this or that historic Plamph of archicerure, now religious, like the Abmedibad mosquet, now donesiz, like the righty oursed old house-fronts of the pols, or again delighting in the military etermons of bastion and walls, or the varied individuality of gases, and even seeking, often not without appreciable success, to revise one as other of these forms for modern uses. Such in fact have been the fashiors of architects, and hence the contemporary struggle and medley of styles, of which modern Bornhay is but the most campledous of Indian stars-

Arried this Babet of specialist connions, what is a Government to do? To playon-hole and postpone it one familiar method; to throw saide all specialist reports and to act on its own responsibility is another. Butin postpone is to conserve; while in decide is victory for the one party or the other; for to one of these, unconsciously if not consciously, every member of every Covernment reus incline, having in course of his particular semmentential experiesce, taken in more of our view than of the other.

What then is to be done?

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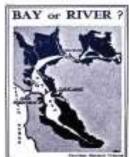


IDEAS AND ACTION FOR A BETTER CITY

Innered St. Tree

Grand Reductions: 10 Diagrams That Changed City Planning

Hary Mary hat have received influenced the stope of our cities have been expressed through single diagrams that have income income distillations of unkness pulling separators and identifying



Placeing insigns in the same-world of image sceleby that writes and adventure of its earliest reagon set at once wedgens diagrams and artist lives reconciting lineges. A precise have optical Not often 60 dy coape; it is all coape; with it of the complicated and not not implications of that term. Every plint in so set of parassects, so regionant for an advantage way of eller that otherspire to acced or tervinos an antiarca of that alternative "--- Ladran Shankan

Figure 1: The Tiny in Flore?" copyries degree galaxies support for Soverthe Blog in the 1980s. Contings of 76e Dakonol Triump

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planes were thinking about older but also have they would've power of alloging to presupate and to convenience.

To planners, many of the strugger in this Historiak tear are materily recognizable. Others may find from treat team or participal strongery femilies, either bocasse Harina bian wildly reproduces in the same of the familiar phases they've shaped and respired.

Consider Nam Post City's 1978 Deving Residence. Show planning greats may brown to magnet. Substations: A time form will image the Parent' and reducings of its impaction is the certain size on First Linguis imaginary of pilotes the 1927 the Mitospalia. But seems execute with imaginar free Daywise and lingue little business and the unextrained from dividentary feature that the policy precessor.

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What is a Diagram?

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Diagrams countrie have a special grown when a spread to the registerration of place stress May are \$5% to continue spatial and response liketa. Persons and data. That and integrined matrix. Adulted blear and records prescules in this way, the diagram becomes a remainded faths space in atoly to explain the shaping of cities

What Does a Diagram Do?

The power of a stagram is reductive, it displat is complex take and powerful made statement. It is clothy results from complexity as reclusion, so it in other activised at the expanse of human and squarticity. Uncomprohensi by prognative concerns, diagrams offers be expansional an anal. PROTEIN NAME.

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Chapter 2

from The City of Tomorrow and its Planning

Le Corbusier

XI. A Contemporary City

The use of technical analysis and architectural synthesis enabled me to draw up my scheme for a contemporary city of there million inhabitants. The result of my work was shown in November 1922 at the Salon d'Auconne in Paris. It was greated with a sort of stepor; the shock of surprise caused rage in some quarters and exclusiasm in others. The solution I put forward. was a rough one and completely uncompromising. There were no notes to accompany the plans, and, alsal not everybody can mad a plan. I should have had to be constantly on the spot in order to reply to the fundamental questions which spring from the very depths of human feelings. Such questions are of profound interest and cannot remain unanswered. When at a large date it became necessary that this book should be weisten, a book in which I could formulate the new principles of Town Planning, I resolutely decided first of all to find answers to these fundamental questions. I have used two kinds of argument: first, those essentially human ones which years from the mind or the heart or the physiology of our semations as a basis, secondly, historical and statistical arguments. Thus I could keep in touch with what is fundamental and at the same time be master of the environment in which all this takes place.

In this way I hope I shall have been able to help my reader to take a number of steps by means of which he can reach a sure and certain position. So that when I unrell my plans I can have the lappy assurance that his astonishment will no longer be stupefaction nor his fears more partie.

A contemporary city of three million inhabitants

Proceeding in the manner of the investiganor in his laboratory, I have avoided all special cases, and all that may be accidenral, and I have assumed an ideal site to begin with. My object was not to overcome the existing state of things, but by constructing a theoretically water-tight formula to arrive at the fundamental principles of modern town planning. Such fundamental principles, if they are genuine, can serve as the skeketon of any system of modern sown planning; being as it were the rules according to which development will take place. We shall then be in a position to take a special case, no matter whatiwhether it he Paris, London, Berlin, New York or some small town. Then, as a result of what we have learnt, we can take coutrol and decide in what direction the forthcoming bartle is to be waged. For the detire to rebuild any great city in a modern way is so engage in a formidable battle. Can you

imagine people orgaging in a battle without knowing their objectives? Yet that is exactly what is happening. The authorities are compelled to do something, so they give the police white sleeves or set them on horseback, they invest sound signals and light signals, they propose to put bridges over streets or moving pavements under the streets; more garden cities are suggested, or it is decided to supposes the tramways, and so on. And these decisions rare reached in a snet of francic haste in order, at it were, to hold a wild beast at buy. That BEAST is the great city. It is laft untely more powerful than all these devices. And it is just beginning to wake, What will tomorrow bring forth to cope with It?

We must have some rules of conduct.
We must have fundamental principles for modern town planning.

Size

A level give is the ideal site. In all those places where traffic becomes overintensified the level site gives a chance of a perimal solution to the problem. Where there is less traffic, differences in level matter less.

The river flows far away from the sity. The river is a kind of liquid railway, a goods station and a sorting house. In a decent house the scream' stairs do not go through the drawing-room – even if the maid is channing to: if the little boots delight the loitinger learning or a beidget.

Population.

This consists of the citizens proper; of suburban dwellers; and of those of a mixed line.

- (a) Catazan are of the city; those who work and live in it.
- (b) Suburban dwellers are those who work in the outer industrial zone and who do not come into the city; they live in garden cities.
- (c) The mixed som are those who work in the business parts of the city but bring up their families in garden cities.

To clossify these divisions (and so make possible the transmatution of these recognized types) is to attack the most important problem in town planning, for such a classification would define the areas to be allowed to these these sections and the delimitation of their boundaries. This would enable us to formulate and resolve the following problems:

- The City, as a humans and maidential centre.
- The Industrial City in relation to the Garden Cities (i.e. the question of transport).
- The Garden Cities and the daily travelport of the workers.

Our first requirement will be an organ that is compact, rapid, lively and concentrated: this is the Gity with its well-organized senters. Our second requirement will be another organ, supple, excessive and elastic; this is the Garden City on the periodects.

Lying between these two organs, we must require the legal establishment of that absolute naturality, a protective zone which allows of extension, a reserved come of woods and fields, a fresh-air reserve.

Density of population

The more dense the population of a city is the less are the distances that have to be covered. The moral, therefore, is that we must recrease the density of the centres of one cities, where business affairs are carried on.

Lames

Work in our modern world becomes more imensified day by day, and its demands affect our acrosss system in a way that grown more and more dangerous. Modern toll demands quiet and fresh air, not stale air.

The sowns of today can only increase in density at the expense of the open spaces which are the lungs of a city.

We must increase the open spaces and diminish the distances to be covered.

Assignments



Story of cities #12: Haussmann rips up Paris - and divides France to this day

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Story of cities #32: Jane Jacobs v Robert Moses, battle of New York's urban litans

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Story of cities #11: the reclamation of Mumbai - from the sea, and its people?

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Story of cities #31: Skopje plans for the future by fixating on its ancient past

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Story of cities #10: how the dirty Old Town became enlightened Edinburgh

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Story of cities #30: how this Amsterdam inventor gave bikesharing to the world

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Assignment 01: - Every city has different story to say- these stories include- philosophy, politics, demography, urban renewal, urban transformation, urban conservation, art, painting, resistance, antiquity and so on. Please write concise 500 -600 words on the story of city you chose. You must write this in word format. With your name on top and word count at the end. The entire series – "Story of Cities" is remarkable reading. It was an attempt to introduce you to new city that you might have not visited or known about. Please try to trace the story of the city with various maps and photographs. When you come across certain terminology – research about it and catch the relevance.

Assignments - Student Work



Assignment 02: Reading the city - Pick any one Indian cities and explain in 2000 words + maps + plans + photographs References. Use secondary references to conduct the studies.

Assignments - Student Work





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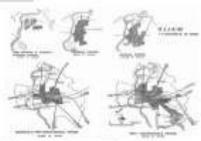
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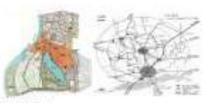












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Assignments - Student Work

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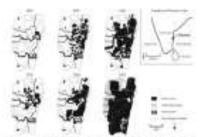


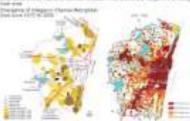




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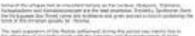






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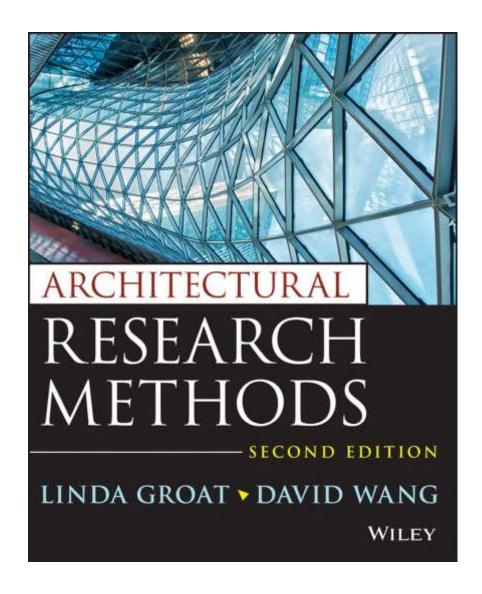
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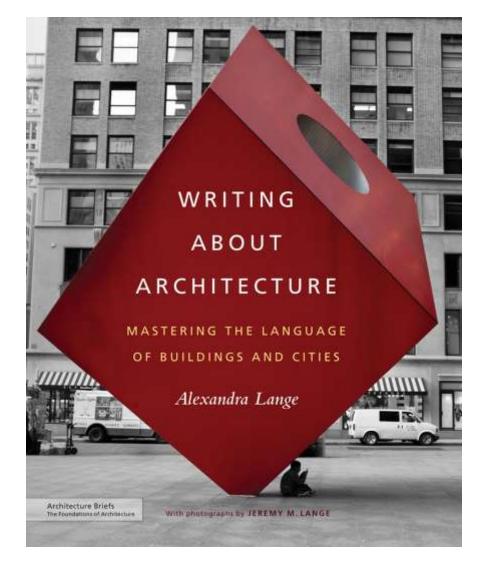
Research Methodology:

Types of Research- Academia and Applied Research

- Approaches taken are Quantitative and qualitative
- What is research and what guides it?
- Data sets required to ponder over for a research
 - Primary- The set of information that in person you have collected
 - Secondary- Intensive data research done by externally or external factors
 - Tertiary- Look for alternatives which exhibit the same phenomenon and study their developments.
- Methods to analyse the data
 - Locating the touch points.
 - Identifying the rational data
 - Converting assumptions to hypothesises
 - References and their applied means
 - Insights.

Reading Material





THE

SEVEN LAMPS

OF

ARCHITECTURE

JOHN RUSKIN

INTRODUCTION BY ANDREW SAINT

CENTURY

LONDON MELBOURNE AUCKLAND JOHANNESBURG

JUHANI PALLASMAA (University of Helsinki)

SPACE, PLACE AND ATMOSPHERE. EMOTION AND PERIPHERAL PERCEPTION IN ARCHITECTURAL EXPERIENCE

The richest experiences happen long before the coal taken notion.

And when we begin to open our eyes to the visible, we have already been supporters of the invisible for a long time.

Galtriels D'Ansmutia

Fusion of the world and the mind

The quality of a space or place is not merely a visual perceptual quality as it is usually assumed. The judgement of environmental character is a complex multi-sensory fusion of countless factors which are immediately and synthetically grasped as an overall atmosphere, ambience, feeling or mood. «I enter a building, see a room, and – in the fraction of a second – have this feeling about its, Peter Zumthor, one of the architects who have acknowledged the importance of architectural atmospheres, confesses: John Dewey, the visionary American philosopher (1859-1952), who already eight decades ago grasped the immediate, embodied, emotive, and subconscious essence of experience, articulates the nature of this existential encounter followingly:

the total overwhelming impression comes first, perhaps in a seizure by a sudden glory of the landscape, or by the effect upon us of entrance into a cathedral when dim light, incorses, stained glass and majestic proportions fuse in one indistinguishable whole. We say with truth that a pointing strikes us. There is an impact that precedes all definite recognition of what it is about.⁵

¹ G. D'Antranzio, Cocompliazioni dello morte, Milano, Francii Trenos, 1912, pp. 17-18. An questo la G. Bachelacel, Water and dresses: on easign on the imagination of motter, Bullas, The Pogasis Foundation, 1963, p. 16.
⁷ F. Zaonthur, Atmospheres — Architectural environments — Surmanding objects, Basel —

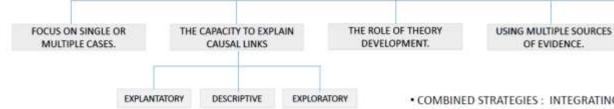
⁷ F. Zamthor, Atmospheres - Architectural environments - Surrounding objects, Basel Boston - Berlin, Birkhäuser, 2006, p. 13.

⁸ J. Dewey, Art ar experience, 1934 (1907), as quoted in M. Johnson. The messein of the body: aerithetics of horsen instermanthy, Chicago - London, The University of Chicago From, 2007, p. 75.

Research Methods Strategies

CASE STUDIES AND COMBINED STRATEGIES

GENERAL CHARACTERISTICS OF THE CASE STUDY



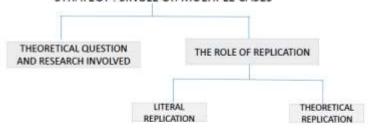
EXAMPLE- There are two cases based to study of modernism.

- 1) Jane Jacon's study on modernism is based to theory that explains both explanatory
- 2) Fernando Lara's study on modernism has research question which is explanatory while there are more than one case for comparative study data which is more descriptive and explorative.

COMBINED STRATEGIES: INTEGRATING MULTIPLE RESEARCH DESIGNS

- 1) Two Phase design Two phase design involves two strategies in a sequence of distinctive phase.
- 2) Dominant Less Dominant Design Insertion of one type of research design within the framework of distinctly different research design.
- Mixed Methodology Design It represents the most complete level of integration among two or more research designs, each having equal degree of emphasis.

STRATEGY: SINGLE OR MULTIPLE CASES



- 1) Multiple Case Study: The public realm in college town Two college towns built in 19th century and two college towns built in mid 20th century are compared in terms of public space and each pair comes up with similar results by the principle of replication.
- 2) Multiple Case Study: LCA of office building Three building with replicating features are compared and it results in common energy consumption, global warming potential and ozone depletion.

STRENGHTS AND WEAKNESS

STRENGHTS AND WEAKNESS OF STARTEGIES

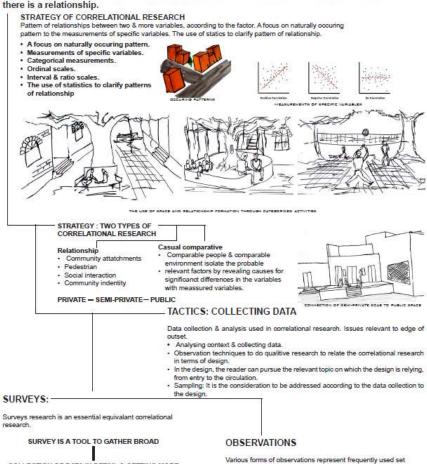
GENERALIZE ABILITY TO

THEORY.

STRENGHT	WEAKNESS	MODEL OF COMBINATI	STRENGHTS	WEAKNESS
Capacity to explain causal links	links have mutliple aspects and is complex. ess of multiple Challenge of	ON		
		Two-phase	Each strategy can be presented fully.	Potential lack of connection
		Dominant – less dominant	Potential for maintaining coherence through emphasis on dominant design	Strengths of less dominant design not fully realized.
Richness of multiple data sources				
Ability to generalize to theory	Replication required in other cases	Mixed Methodologies	Potential to maximize strengths and minimize weaknesses of each design	Need for level of sophistication in multiple research design

CORRELATIONAL RESEARCH

Correlational research describes and measures the degree of relationship between two or more variables, and measures without manipulation of any variable, to determine whether there is a relationship.



COLLECTION OF DATA IN DETAIL & GETTING MORE INFORMATION

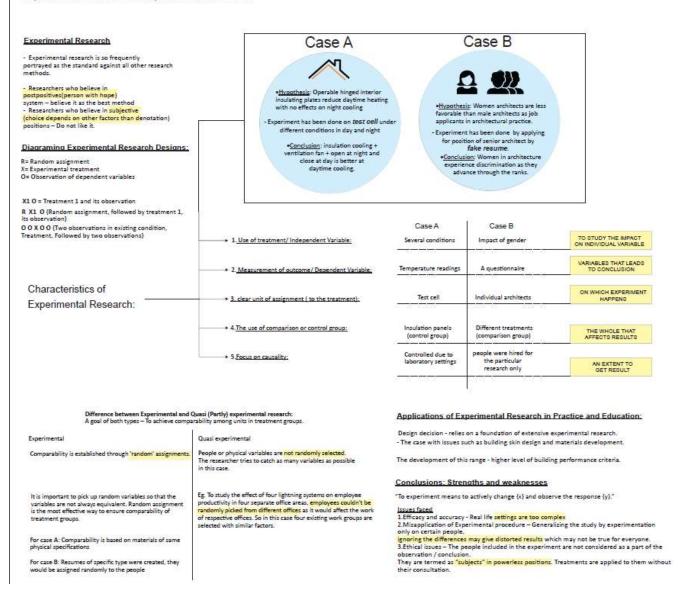
Consideration in design:

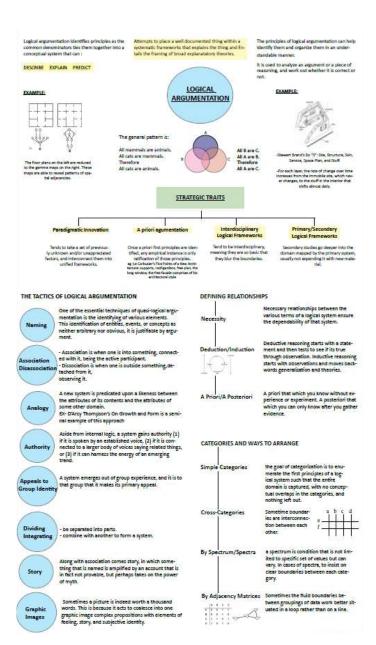
- 1. Concept
- 2. Response formats
- 3. Clarity in phrasing the questions
- 4. Question orders
- 5. Instructions
- 6. Ethics

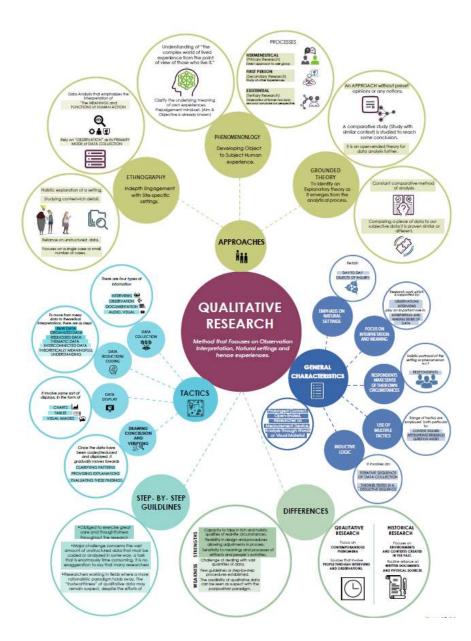
Various forms of observations represent frequently used set of tactics for data collection.

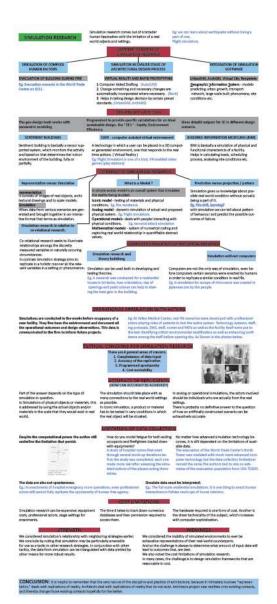
- 1. Categorization of actions & discourse.
- Access the juries requires the agreement of the participants involved.
- Sampling: It is the consideration to be addressed according to the data collection to the design.

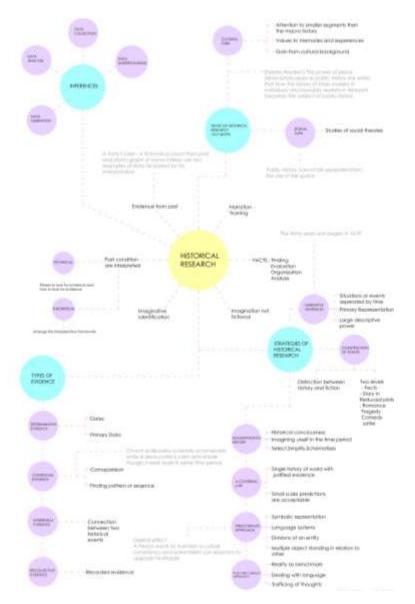
Experimental and Quasi- Experimental Research











Action Plan

Research Action Plan

Aim and objectives

- The aim is to identify the difference and similarities between Jaisalmer and Ahmedabad.
- To reach the aim by using research methodologies like,
 - 1. Case studies and combined strategies
 - 2. Correlational research
 - 3. Historical research

Focus Questions

- What are the difference and similarities between padas and pols?
- What makes open spaces of Jaisalmer and Ahmedabad different from each other?
- What is the concept of having shared walls?
- What is the reason behind having narrow streets?
- What differences have occur due to different in climatic and contextual zones?
- What is the difference in elements used in Jaisalmer and Ahmedabad?
- What is the difference in scale and proportions of typologies in both cites?
- How the use of the space differ because of cultural and traditional differences?
- What is the reason behind using stone in Jaisalmer and brick and wood in Ahmedabad?
- Does the other cities of India also have certain similarities in the typology?

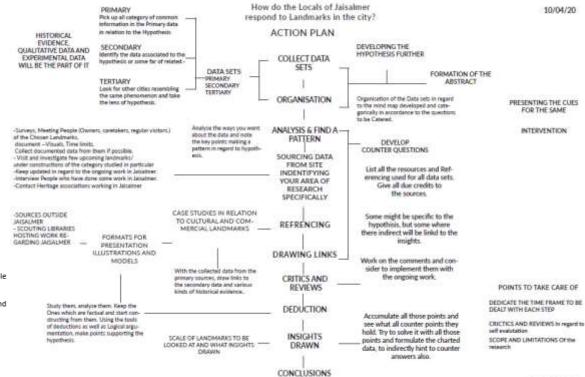
Data Collection for Research

Primary data – collect the drawings -plan, section, elevations, sketches, photos, and talk to the people living there, observations

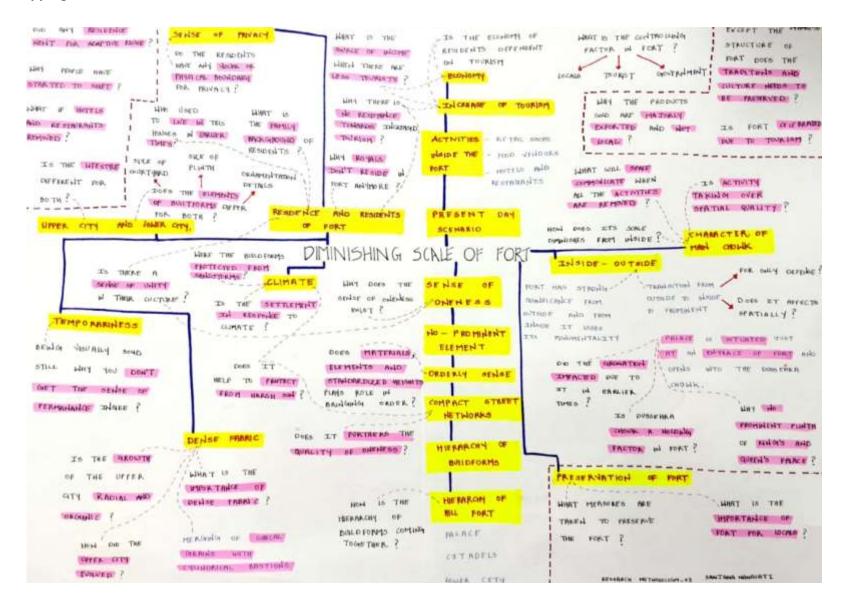
Secondary data – various articles written on similar topic, talk to the person who have done such kind of research, go through the similar kind of research done in the past

Process and Analyse the Data Collected

Marking Similarities and Differences in both Cities



Extend Mapping



Essays

Diminishing scale of fort from outside to inside

The Fort in Jaisalmer occupies a unique place in the Indian tradition. In addition to being of unequalled architectural and aesthetic significance, it also has an invaluable cultural treasure, being the only living fort in India today. It stands tall and proud amidst the desert and has strong dominance on the city from outside and from inside you see the amalgamation of space with activities and get the feeling of everything merging and eventually losing its structural dominance. There is an evident spatial transition from outside to inside and the sense of oneness is felt from inside the fort.

The fort has a strong sense of contrast when perceived from outside and inside. The transition is evident from akhai gate to hawa gate, which was made for defence purpose but it also impacts spatially. When standing in the royal square, one perceives the orderly sense and the spatial dominance is lost. Does the character of living fort signifies the sense of oneness? The royal square is the holding ground for every street and build forms in the fort. The settlement has grown organically around the square and has spread as per the shape of hill and palaces and temples open into this chowk. The fort has dense fabric and compact street network which furthers the quality of oneness. Also, the king's and queen's palace does not have prominent plinths and they directly open into the chowk showing the quality of equality of royals and common people. The people shared common wall and street as a common open space, thus unity was part of their culture.

When we talk about the present-day, scenario the idea of fort has changed its purpose. There was a time when one of the purposes of hill fort was privacy and now that same fort hosts the tourists from all around the world, and that has changed the lifestyles of residents living in the fort. The royal square is now catering to informal activities which takes over the character of the space and it further breaks down the scale of fort from inside. Also, the residents have either converted their houses into hotels, or some of them have started to shift. They do not show any resistance towards tourists, and also there is no visual or physical boundary to demarcate the private and public area. Talking about inside outside of fort, there is also difference of lifestyle of people living in upper city and lower city. There is a difference from caste, lifestyle, economy and even elements of build forms differ.

Today the fort is celebrated due to tourism. The fort here is preserved structurally but the culture and heritage should also be preserved with it. Being visually solid, the fort still has no sense of permanence from inside. Being the living fort with dense fabric, it changes the idea of looking for dominating factor inside the fort. Though there is hierarchy in organisation of space, still it is perceived as whole. The living fort is the city within the city.

Living fort of Jaisalmer: Modern life under an old stone

A living fort is a fortified region that has occupants still living their daily lives in, just like they have been since the fort was built. Being in the fort has been continuously evolving with time. Massive yellow sandstone as a material helps camouflage the fort in the yellow desert. Is the historic fabric that we search for, found intact and thriving, in the way it should be considering the passage of time and change? How does architecture affect the lifestyle of people living in the fort?

Fort is the massive identity of the city. This structure affects not only adjacent areas, but it affects the whole city. It has been constructed as a living fort on the hill. Is there its architecture that controls the life of people? How long is the presence of this massive structure according to the current scenario? There have been many parts of fort collapsed by this time. Will the fort have to lose its living status at the cost of conservation and preservation?

For centuries people continued to live as their forefathers. In recent years, however, the lifestyle of people has started to change dramatically. From transportation to the drainage system, everything needs redesign according to the lifestyle of people in the fort area. Climate change and factors like earthquake are also playing a significant and unavoidable role in the possibility of damage in the fort. Nostalgia for the past, at the cost of progress, might make the fort redundant in the future. Not only organizations should work towards conservation but also residents themselves.

There are cases of building transformation in the fort area without the study of resources and a system like sewage. Change without awareness of impacts on the fort is harmful for its condition in the future. Conservation and preservation should take place in a way that helps to keep the structure and its original value safe. The need at the time of building fort and now is different, and the challenge is to change the fort keeping in mind that it does not harm its structure and value of heritage.

Today, Jaisalmer fort remains an irregular network of residences, shops, temples, and a palace complex. Also, some portion of the city relies on the fort. There are strong possibilities of fort become only the place to visit. In this type of scenario, what would be a city without an inhabitable fort in the future? What are the factors on which the existence of its real value and heritage relies on?

The fort today demonstrated an evolving civilization. On the surface, with a rich history, Jaisalmer fort embraces modernity and walks with the times without losing touch of heritage. The revival of dying its value through conservation is admirable. The paradox is that the fort is changing and evolving with the times, but somehow in the process of evolution, it is losing its original identity.