

# Theory Module AR 0404

Course structure and methodology

## COURSE OBJECTIVE

Climate and materials play a significant role in architecture. Through understanding of typology and evolution of that, the course dwells upon impact of regional expression and overlay into built environment. Students will explore concepts of Climate, Materiality, Typology and Order in monumental and domestic architecture and old towns

## CONTENT FOR THE MODULE

South Asian and Chinese cultures and architecture, Arabic world and African communities or South-east Asian cultures, Symbolic relations and their meaning through built environment, Impact of regional expressions through understanding of context, Material and its reflection in built environment.

## LEARNING OUTCOME

Students will develop understanding of the diverse aspects, intangible ones, which impact architecture. They will also develop understanding of a particular ideological impact in built environment through developing a grasp of a sense of order. This further creates an understanding of a evolutionary pattern which allows to develop concerns which effect architecture. They will also develop an understanding of materiality and the meaning that it has in architecture.

## Text books/ Reference books:

1. Objects and Materials, By Penny Harvey,
2. Materiality and Organizing Social Interaction in a Technological World Edited By Paul M. Leonardi, Bonnie A. Nardi, and Jannis Kallinikos
3. Indian Architecture, Percy Brown
4. Encounters: Architectural Essays 1 and 2 Book by Juhani Pallasmaa
5. Architecture of the Islamic World - Its History and Social Meaning, George Michell
6. Ahmadabad, George Michell, Snehal Shah
7. After Amnesia: Tradition and Change in Indian Literary Criticism, G. N. Devy
8. Islamic Art and Architecture: The System of Geometric Design, Issam El- Siad
9. Historic Cities of the Islamic World by C. Edmund Bosworth
10. Islamic Architecture Evolution: Perception and Behaviour by Mohd Zafrullah Mohd Taib and Mohamad Tajuddin Rasdi
11. The History, Theory and Criticism of Architecture - Markus Whiffen
12. Role of History in Architectural Education - Mark Swenarton

## Topics covered:

- Questioning identity in architecture and ways people have looked at it. Derivation of Meaning and its reflection of the present context.
- Conceptualization and ways of interpretation through works of architects. Manifestation and ways of application. Processes and methods which lead to such practices.
- Meaning as a way in which value is imparted and Character / properties that define it. Ways of communicating through establishment of order and reflection through materiality.
- Meaning to order, ways of reflection to conceptualization and order. The correlation between approaches to Palladian villas and Le Corbusier's interpretation as elaborated by Colin Rowe in 'The mathematics of an ideal villa'.
- Bernard Tshumi's categorization of Abstract mediation and strategy to an urban intervention and interpretation in architectural resolution.

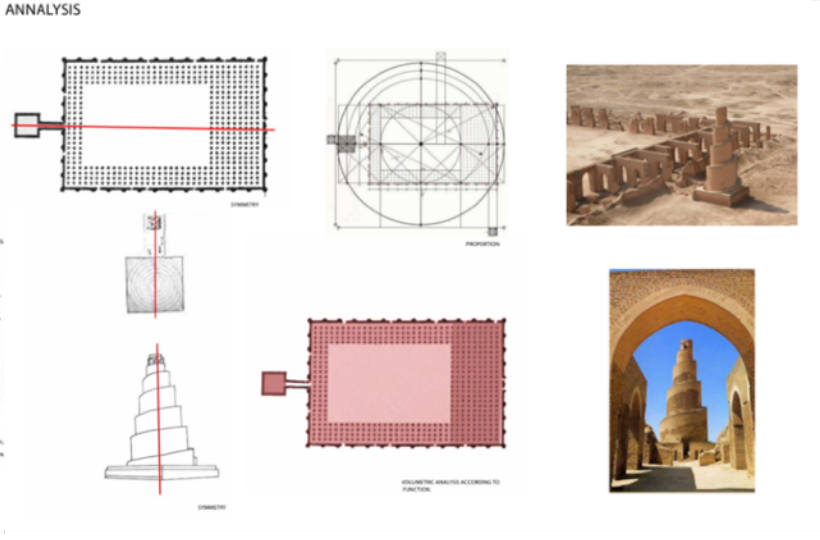
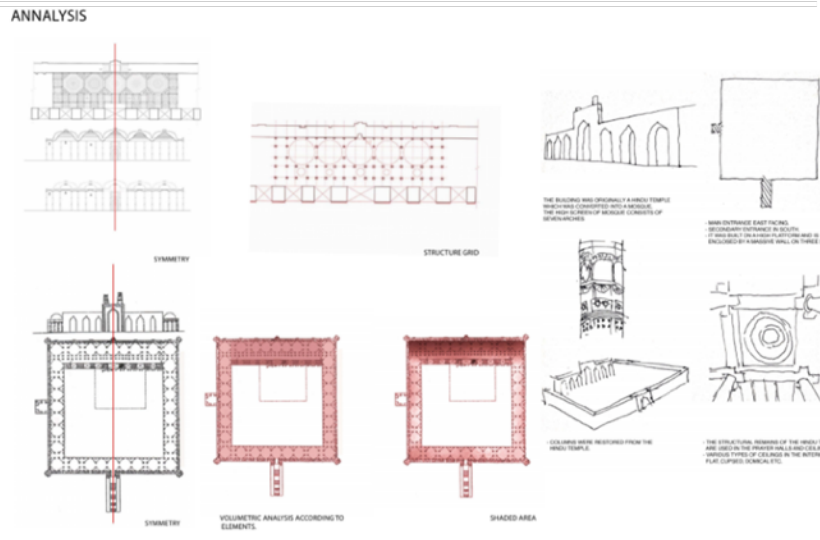
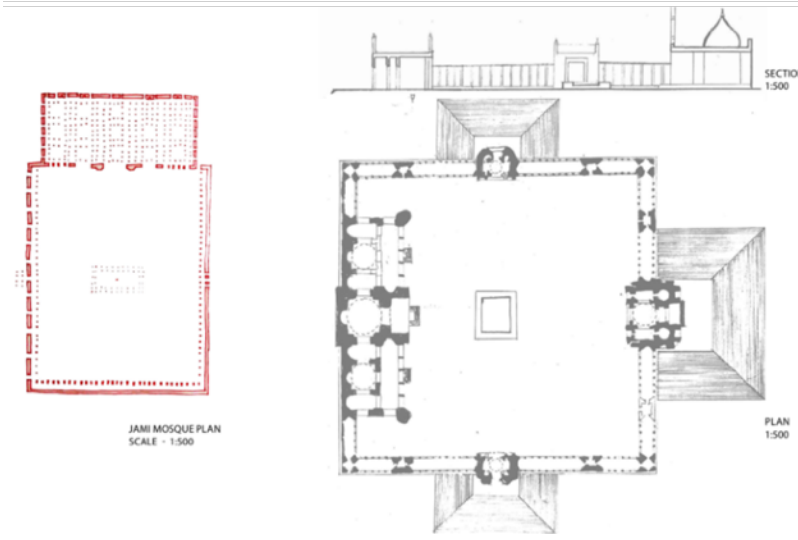
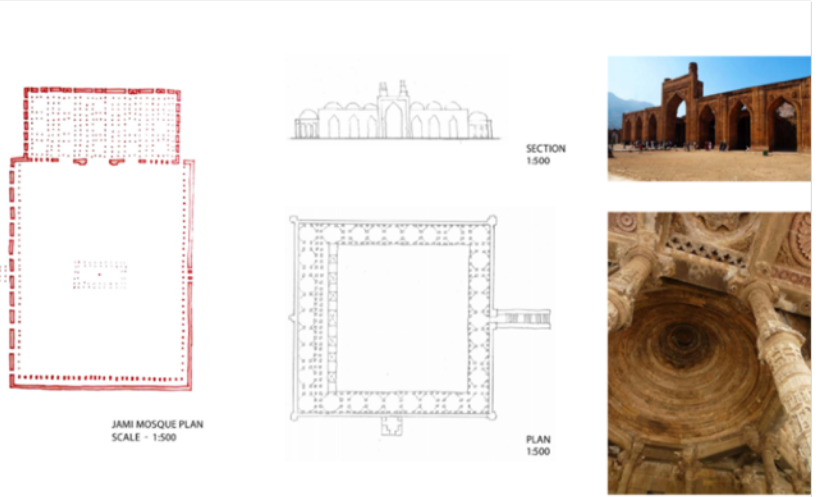
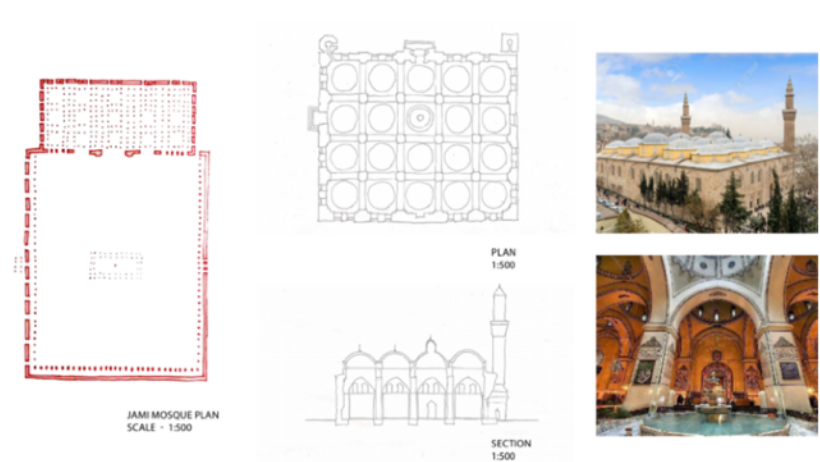
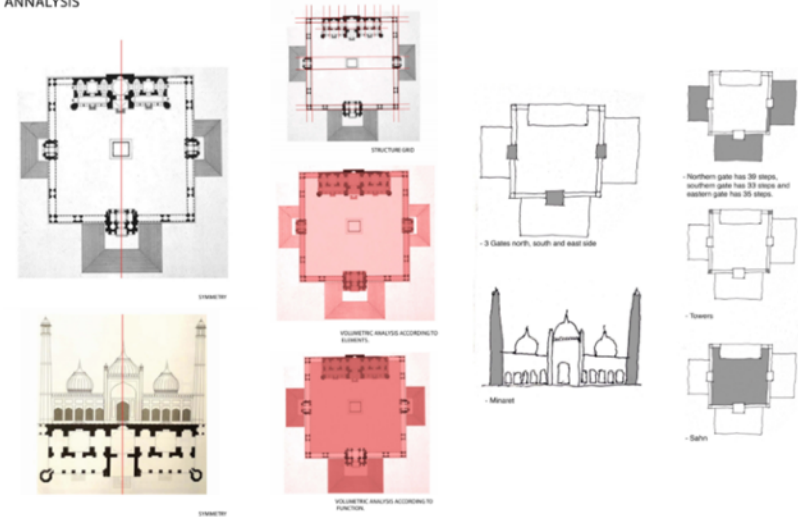
## Topics covered:

- Explaining the impact of history in architectural education. Elaborating by use of different perspectives through which we can look into understanding of context in which one reads a work.
- Typology and its interpretations, the factors that shape such with respect to built environment.
- Impact of regional significance towards evolution of a typology and the forces which impact them. Deduction of such with the study of elements of built environment, context and material application.
- Meaning of evolution and through examples of typologies such as a mosque, one tries to understand the concerns that define that and ways in which they have been interpreted as a ideological derivative.
- The characteristics which governs Islamic architecture, elaborated through examples. The interpretation of different typologies and the ways in which one negotiates around to generate new form through different expressions. Materiality and ways of achieving order through manifestation of ideologies.

# Exercises:

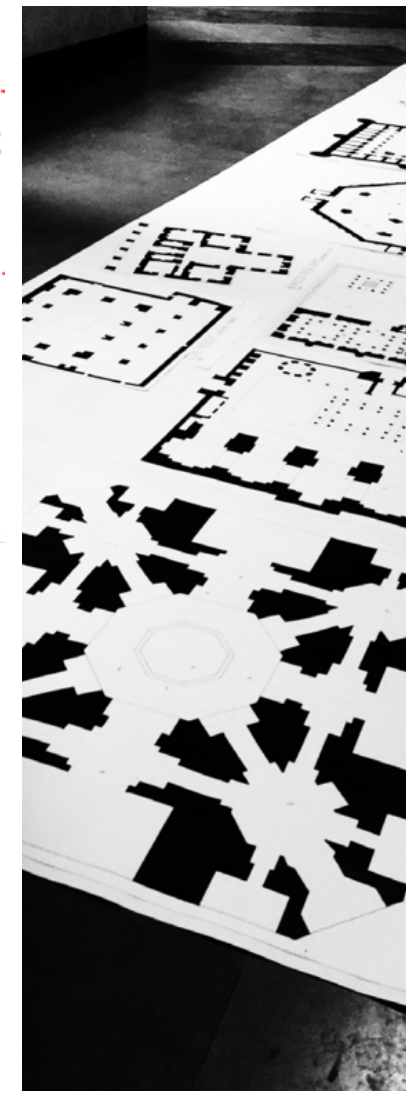
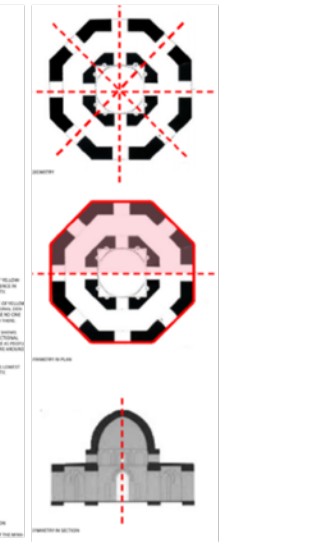
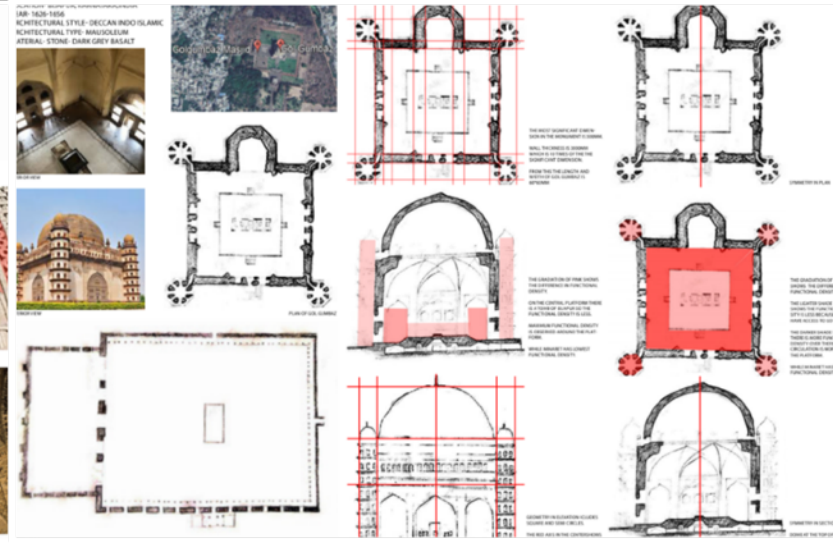
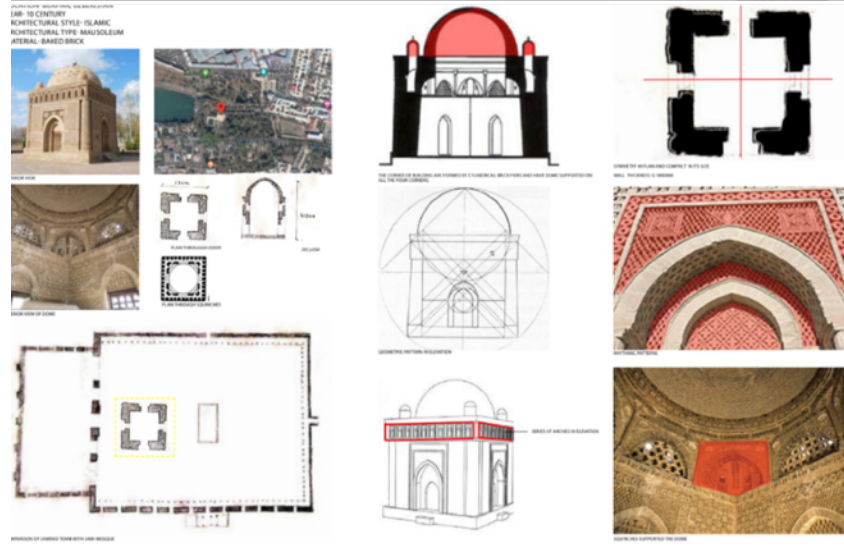
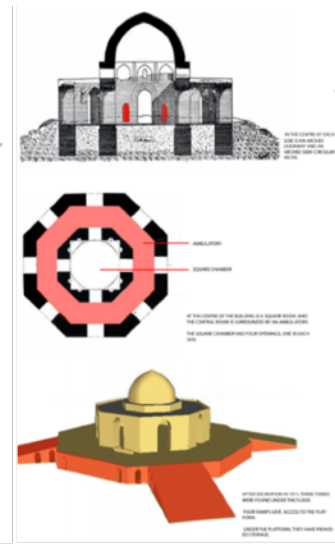
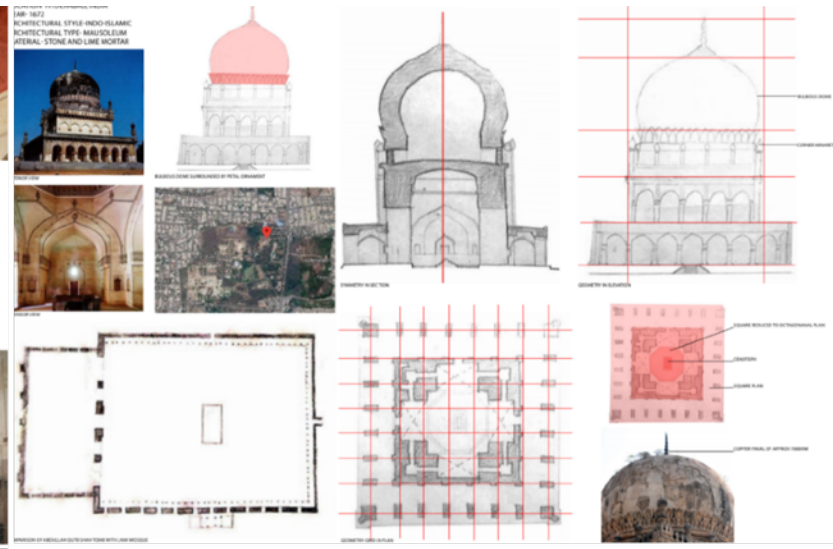
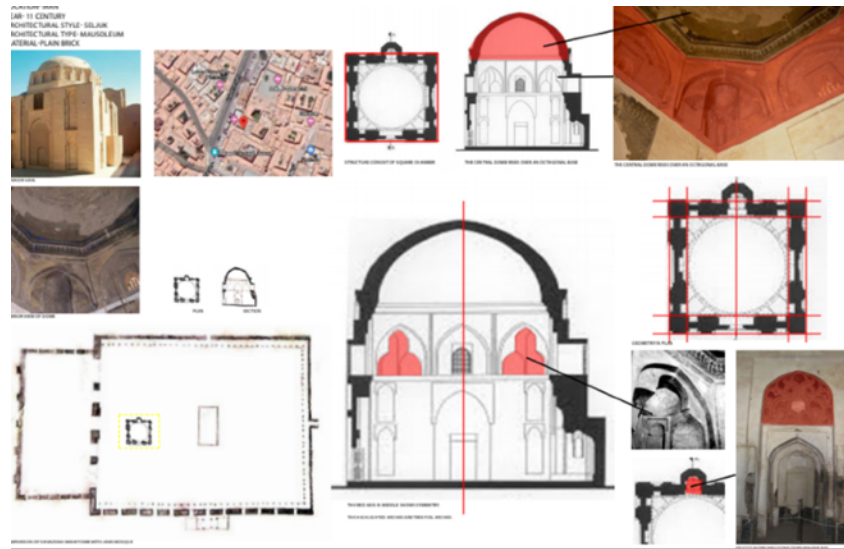
- Exercise 1: Through use of case studies in architecture students try to explain the interpretations of a particular work of architecture, processes that involve in it and position it to its contemporary works. Through the process they try to establish the concerns that define such period of time and ways in which people have talked about it.
- Exercise 2: Finding 5 case studies of the main building typologies of Islamic architecture(2 from Indian Subcontinent, 2 from around the world and 1 contemporary example) Sketch all the base plans , section and elevations off the case studies along with Jami Mosque Ahmedabad's drawings for further analysis in 500 scale. Analyze elements and they ways in which they are able to communicate the characteristics of Islamic architecture.
- Exercise 3: Through works of architecture, understand the impact of materiality and its expression through space and form. Correlate such formal expression through the decisions of material exploration and detail.

ANALYSIS



Examples of exercises done by students:





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