



**Lok Jagruti Kendra University**  
University with a Difference

# **Diploma in Architectural Assistantship**



**Course Code:025080304**

**History of Architecture 2**

<b>Programme / Branch Name</b>		Diploma in Architectural Assistantship				
<b>Course Name</b>	History of Architecture 2			<b>Course Code</b>	025080304	
<b>Course Type</b>	HSSC	BSC	ESC	PCC	OEC	PEC

**Legends:** HSSC: Humanities and Social Sciences Courses  
 ESC: Engineering Science Courses  
 OEC: Open Elective Courses

BSC: Basic Science Courses  
 PCC: Program Core Courses  
 PEC: Program Elective Courses

## 1. Teaching and Evaluation Scheme

Teaching Hours / Week / Credits				Evaluation Scheme			
L	T	P	Total Credit	CCE	SEE (Th)	SEE (Pr)	TOTAL
3	0	0	3	50	50	-	100

**Legends:**

L: Lectures      T: Tutorial      P: Practical  
 CCE:      Continuous & Comprehensive Evaluation  
 SEE (Th):      Semester End Evaluation (Theory)  
 SEE (Pr):      Semester End Evaluation (Practical)

## 2. Prerequisites

- ✓ History of Architecture 1
- ✓ Sketching

## 3. Rationale

This course is necessary for students to realize and expand their knowledge regarding modern architecture, its origin, and factors that lead towards the development of modern architecture. Modern architecture is generally characterized by simplification of form and an absence of applied decoration. At the diploma level, students are expected to gain awareness of early modern architecture that began at the turn of the 20<sup>th</sup> century with efforts to reconcile the principles underlying architectural design with rapid technological advancement and the modernization of society.

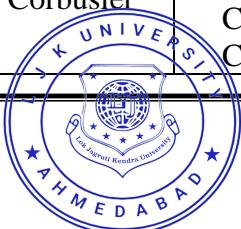
## 4. Objectives

- ✓ Discuss the important characters of modern architecture.
- ✓ Identify and explain the features of modern architecture around the world.
- ✓ Study works of master architects and that of contemporary Indian architects.
- ✓ Study of different modern materials and construction systems.
- ✓ Describe the features of the early modern architecture.
- ✓ Explain elements and characteristics of the works of different architects.
- ✓ Enumerate roots and modernity in India.



## 5. Contents

Unit No.	Unit Name	Topics	Learning Outcomes	% Weightage	Hours
1.	<b>Formative Years of Modern Architecture</b>	1.1. The Idea of Modern Architecture in the 19 <sup>th</sup> Century & its Importance 1.2. Engineering Traditions and Materials 1.3. Design Philosophies and Works of Louis Sullivan 1.3.1. Wainwright Building 1.3.2. National Farmers' Bank 1.4. Design Philosophies and Works of Frank Lloyd Wright 1.4.1. Falling Water House 1.4.2. Johnson Wax Building 1.4.3. Guggenheim Museum 1.5. Design Philosophies and Works of Walter Gropius 1.5.1. Bauhaus Building 1.5.2. Fagus Factory	<ul style="list-style-type: none"> <li>• Important Characters of Modern Architecture</li> <li>• Development of Construction Systems and Materials</li> <li>• Design Philosophies and Works of Louis Sullivan</li> <li>• Design Philosophies and Works of Frank Lloyd Wright</li> <li>• Design Philosophies and Works of Walter Gropius</li> </ul>	21	13
2.	<b>Crystallization of Modern Architecture</b>	2.1. Concept of Form Follows Function 2.2. Concept of Organic Architecture 2.3. Concept of Cubism 2.4. Design Philosophies and Works of Le Corbusier 2.4.1. Villa Savoye 2.4.2. Chapel at Ronchamp 2.4.3. Unité d'Habitation 2.5. Design Philosophies and Works of Louis I Kahn 2.5.1. Salk Institute 2.5.2. Kimbell Art Museum 2.5.3. Art Gallery, Yale University	<ul style="list-style-type: none"> <li>• Various Styles of Early Modern Architecture</li> <li>• Knowledge About the Concept of Cubism</li> <li>• Design Philosophies and Works of Le Corbusier</li> <li>• Design Philosophies and Works of Louis I Kahn- Architecture of Light</li> </ul>	26	11
3.	<b>Roots &amp; Modernity in India</b>	3.1. Works of Le Corbusier in India	<ul style="list-style-type: none"> <li>• Projects by Le Corbusier in Chandigarh</li> </ul>	24	05



		3.1.1. High Court, Chandigarh 3.1.2. Legislative Assembly, Chandigarh 3.2. Works of Louis Kahn in India 3.2.1. IIM, Ahmedabad	<ul style="list-style-type: none"> <li>• Project by Louis Kahn in Ahmedabad</li> </ul>		
4.	<b>Search for Modern Indian Architecture</b>	4.1. Design Philosophies and Works of B.V. Doshi 4.1.1. School of Architecture, CEPT 4.1.2. Institute of Indology 4.1.3. Architect's Office- Sangath 4.1.4. Amdavad Ni Gufa 4.2. Design Philosophies and Works of Charles Correa 4.2.1. Gandhi Smarak Sanghralaya 4.2.2. Kanchenjunga Apartment 4.2.3. Cidade De Goa 4.2.4. Madhya Pradesh Assembly	<ul style="list-style-type: none"> <li>• Design Philosophies and Works of B.V. Doshi</li> <li>• Design Principles and Elements of Charles Correa's Design</li> </ul>	17	08
5.	<b>Architecture in Development</b>	5.1. Design Philosophies and Works of Anant Raje 5.1.1. Indian Institute of Forest Management 5.1.2. Farmers' Training Institute 5.2. Design Philosophies and Works of Laurie Baker 5.2.1. St. John's Cathedral Centre for Development Studies	<ul style="list-style-type: none"> <li>• Design Philosophies and Works of Anant Raje</li> <li>• Design Philosophies and Works of Laurie Baker</li> </ul>	12	05

**Total  
Hours**

**42**



## 6. List of Practicals / Exercises

The practicals/exercises have been properly designed and implemented in an attempt to develop different types of skills, so that students can acquire the competencies/programme outcomes. Following is the list of practicals/exercises.

Sr. No.	Practicals / Exercises	Key Competency
1	Classroom presentations on the works of master architects and contemporary architects.	Knowledge about various architects and their design principles.
2	Sketched or graphical representation of modern architectural principles.	Understanding of various architectural elements used by various architects and their use in contemporary designs.
3	Visit various contemporary buildings	Knowledge of modern designs, construction techniques, and materials.
4	Live sketching of contemporary buildings	Visualization of spaces and knowledge about the application of various designs and materials in the building.
5	Project-based designing using various modern architectural elements, design, and materials.	Practical application of the subject.

## 7. Suggested Specification Table for Evaluation Scheme

Unit No.	Unit Name	Distribution of Topics According to Bloom's Taxonomy					
		R %	U %	App %	C %	E %	An %
1.	Formative Years of Modern Architecture	30	40	25	05	-	-
2.	Crystallization of Modern Architecture	35	35	25	05	-	-
3.	Roots & Modernity in India	40	30	25	05	-	-
4.	Search for Modern Indian Architecture	30	40	25	05	-	-
5.	Architecture in Development	30	45	20	05	-	-

**Legends:** R: Remembering U: Understanding  
 App: Applying C: Creating  
 E: Evaluating An: Analyzing

## 8. Reference Books

- 1) History of Architecture by Sir Banister Fletcher, CBS Publications, Delhi.
- 2) Corbusier by Willy Boesiger, Felix Books
- 3) Bal Krishna Doshi- An Architecture of India by William Curtis, Mapin Publication
- 4) Contemporary Architecture & Digital Design by Szalapaj, Architectural Press
- 5) Louis, I Kahn by Robert McCarter, Phaidon Press
- 6) Laurie Baker by Gautam Bhatia, Penguin Publications

## 9. Open Sources (Website, Video, Movie)

- 1) [www.greatbuildings.com](http://www.greatbuildings.com)
- 2) <https://www.youtube.com/playlist?list=PLcWeCjvXDNvvo2MxOmrMrpveA6JtbdrS>

