

# DEPARTMENT OF ARCHITECTURE

## NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI

COURSE PLAN – PART I			
Course Title	CONTEMPORARY ARCHITECTURE		
Course Code	AR 206	No. of Credits	3
Course Code of Pre-requisite subject(s)	AR211 ARCHITECTURAL DESIGN – II (Minimum E Grade)		
Session	January 2018	Section	S
Name of Faculty	D.Kannamma	Department	Architecture
Email	kanama@nitt.edu	Telephone No.	9487521927
Course Type	<input checked="" type="checkbox"/> Core course <input type="checkbox"/> Elective course		

### Syllabus (approved in BoS)

Post- Renaissance architecture of Europe in general and England in particular. Industrial revolution and its impact on architecture and urban settlement in particular. Arts and crafts and Art – Nouveau movements and their impact on architecture. The principles and works of Mackintosh and Antonio Gaudi. Developments in Germany: Deutshers work bund, principles and works of Peter Behrens, German expressionism and the works of Walter Gropius and Erich Mendelsohn. The Bauhaus Institute and its impact. Russian Architecture after revolution (1917 – 1934).

The futurism of Antonio Saint Elia, Outline idea of cubism and its impact on architecture, De stijl movement of Netherlands. Critics of modern movement: Roberty Ventury, Christopher Alexander, Aldo Rossi and Jane Jacob. Emergence of later trends in modern architecture.

Rapid Urban growth in Europe and USA. The emergence of International style of architecture. Principles and works of Frank Lloyd Wright.

Principles and works of Mies Van der Rohe, Louis Khan, Paul Rudolf and KenzoTange. The factors that contributed to their style of Architecture and their impact. Brutalism, Archigram, Metabolism in architecture, Deconstruction in architecture and the emergence of rationalistic architecture.

The styles and trends of architecture brought by Britishers to India and their evolution. The impact of Hindu and Indo-Sarsanic style on the British architecture in India. The characteristics of British colonial architecture with examples from the works of Edwin Lutyen. The impact of International style of architecture in India, Early public buildings such as vigyan Bhawan Supreme Court building etc. The works of Le corbusier and Louis Kahn in India with examples. Their impact on architecture of fifties and sixties. The trend in Indian architecture after 1970 Principles and works of the following architects: Balakrishna Doshi, Charles Correa, Anant Raje and Laurie Baker with suitable examples.

Building Material in contemporary architecture style. Energy in modern buildings. Disaster management in contemporary buildings. Contemporary Indian Architecture trends in India – Buildings, Urban Design projects, Landscape Projects, Housing and others.

## COURSE OBJECTIVES

Provide students with an awareness to modern and contemporary architecture and urban design.

To equip students with skills in analyzing contemporary works of architecture.

To understand the factors that contribute to evolution of architecture (climate, culture, political, Economical e.t.c)

Foster the analytical and critical potential of the student on the built environment.

Visually recognize architectural Illustrations (plans, elevations, sections) and Identify main characteristics of modern architecture, recognizing Influences and major concepts - identify buildings, ideas, and architects that portray Modern and Contemporary Architecture.

## COURSE OUTCOMES (CO)

Course Outcomes	Aligned Programme Outcomes (PO)
1. To understand the nature of evolution of space across region – climate - culture	
2. Exposure towards various construction techniques.	
3. To analyse the pros and cons of various methods of designing.	
4. To comprehend the limitations of architectural practices and procedures.	
5. Introduction to the contribution of cross cultural architecture practices	
6. Overview of contemporary techniques that influence today's architecture	

## COURSE PLAN – PART II

### COURSE OVERVIEW

The course consists of a series of examples of contemporary architecture buildings of various styles to enable an understanding of spatial design and knowledge on construction techniques.

### COURSE TEACHING AND LEARNING ACTIVITIES

S.No.	Week/Contact Hours	Topic	Mode of Delivery
1	1 Week	Industrial revolution and its impact on architecture and urban settlement in particular. Arts and crafts and Art – Nouveau movements and their impact on architecture.	Lecture
2	1 Week	Developments in Germany: Deutschers work bund, principles and works of Peter Behrens, German expressionism and the works of Walter Gropius and Erich Mendelsohn. The Bauhaus Institute and its	Lecture



		impact. Russian Architecture after revolution (1917 – 1934).	
3	1 Week	The futurism of Antonio Saint Elia, Outline idea of cubism and its impact on architecture, De stijl movement of Netherlands.	Lecture
4	1 Week	Critics of modern movement: Robert Venturi, Christopher Alexander, Aldo Rossi and Jane Jacob. Emergence of later trends in modern architecture.	Lecture
5	1 Week	Rapid Urban growth in Europe and USA. The emergence of International style of architecture. Principles and works of Frank Lloyd Wright.	Lecture
6	1 Week	Principles and works of Mies Van der Rohe, Louis Khan, Paul Rudolf and Kenzo Tange. The factors that contributed to their style of Architecture and their impact.	Lecture
7	1 Week	Brutalism, Archigram, Metabolism in architecture, Deconstruction in architecture and the emergence of rationalistic architecture.	Lecture
8	2 Weeks	The styles and trends of architecture brought by Britishers to India and their evolution. The impact of Hindu and Indo-Saranic style on the British architecture in India. The characteristics of British colonial architecture with examples from the works of Edwin Lutyen. The impact of International style of architecture in India, Early public buildings such as Vigyan Bhawan Supreme Court building etc.	Lecture
9	1 Week	The works of Le Corbusier and Louis Kahn in India with examples. Their impact on architecture of fifties and sixties.	Lecture
10	1 Week	The trend in Indian architecture after 1970 Principles and works of the following architects: Balakrishna Doshi, Charles Correa, Anant Raje and Laurie Baker with suitable examples.	Lecture
11	1 Week	Building Material in contemporary architecture style. Energy in modern buildings. Disaster Management.	Lecture

12	1 Week	Contemporary Indian Architecture trends in India – Buildings, Urban Design projects, Landscape Projects, Housing and others.	Lecture
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**COURSE ASSESSMENT METHODS (shall range from 4 to 6)**

S.No.	Mode of Assessment	Week/Date	Duration	% Weightage
1	Test – 1	End of 4 <sup>th</sup> Week	1 Hour	20%
2	Test – 2	End of 6 <sup>th</sup> Week	1 Hour	20%
3	Assignment - 1	End of 3 <sup>rd</sup> Week	1 Week	5%
4	Assignment - 2	End of 8 <sup>th</sup> Week	1 Week	5%
CPA	Compensation Assessment	Period between 16.04.2018 to 19.04.2018		
5	Final Assessment	Period between 23.04.2018 to 04.05.2018	2 Hours	50%

**COURSE EXIT SURVEY**

Feedback from the students through questionnaire before End Semester Examination.

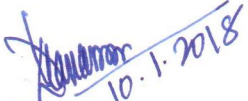
**MODE OF CORRESPONDENCE (email/ phone etc)**

The Course Coordinator is available for consultation at times that are displayed on the coordinator's office notice board. Queries may also be emailed to the Course Coordinator directly at [kanama@nitt.edu](mailto:kanama@nitt.edu)

**COURSE POLICY**

1. Students to have a minimum of 75% attendance to appear in final examination.
2. Plagiarism or any kind of academic dishonesty will not be entertained.
3. Students are to follow the given schedule for each project and submissions are to be made on time.
4. Submission dates are normally decided in consultation with students. Late submissions unless for valid, genuine reasons will get reduced marks.
5. Students with shortage of attendance will be required to submit assignments / projects to compensate for attendance loss.
6. Retest will conducted for the students on Week 10 (Test 1) and Week 11 (Test 2).

**FOR APPROVAL**

Course Faculty  10.1.2018

CC-Chairperson  10/01/2018

HOD  11/1/18