

**Fundamental of Architecture
BEG210AR**

YEAR-II

SEMESTER-II

Teaching Schedule			Examination Scheme						Total Marks
			Final				Internal Assessments		
Hours/ Week			Theory		Practical		Theory Marks	Practical Marks	
			L	P	T	Duration			Marks
2	2	-	1.5	40	-	-	10	50	100

Course Objective: To provide the students with the basic knowledge in architectural Planning and design of different private and public buildings

Course Contents:

1. Introduction (2 hrs)

- 1.1 A brief introduction of Architecture
- 1.2 Basic Tendencies of Architectural Development

2. Building and Their Types (4 hrs)

- 2.1 Functional Classification of the Buildings
- 2.2 Construction System of the Building

3. Basic Principles of Architectural Design (4hrs)

- 3.1 Design Process
- 3.2 Modern Technologies of Building Design

4. Basic Principles of Urban Planning (4 hrs)

- 4.1 Principles of Urban Planning and its impact in environment
- 4.2 Restoration and Reconstruction of Architectural objects

5. Architectural Composition (4 hrs)

- 5.1. Form and function, volumetric and spatial composition of building
- 5.2 .General introduction of proportion, rhythm, harmony and space

6. Basic Building Science (4 hrs)

- 6.1 Thermal insulation and its importance
- 6.2 Acoustics
- 6.3 Light

7. Residential Building and their types (2 hrs)

8. Public Building and their type (2hrs)

9. Building for community purpose (2hrs)

- 9.1 Kinder gardens
- 9.2 Public centers
- 9.3 Schools
- 9.4 Bazaars/Supermarkets

10. Airport and Railways stations (1hr)

11. Auditorium, Theaters and Sport complexes (1hr)

Course Project:

Each student will prepare architectural design of building and prepare plan, elevation, section, site plan and perspective of the building and submit to the teacher at the end of the semester as a course project.

References:

- Ching, Francis D., A Visual Dictionary of Architecture, VNR Publications, New York
- Fletcher, Banister, A History of Architecture 19th Edition
- Hiraskar G. K., The Great Ages of World Architecture, Dhanp Rai & Sons, Delhi, 1996
- The Architects, E. D. Kostof, Spiro, Oxford University Press, New York, 1997
- Nuttgens, Patrick, The Story of Architecture, 2nd Edition. Phaidon Press Ltd., London