Architecture and Design


- **Climatic Design**: Climate responsive settlements. Design considerations in different climatic zones.

- **Disaster Management**: Hazard, Risk, Vulnerability, Disaster, and Disaster Management. Types of Disasters: Hazard and vulnerability profile of India.

- **Ecology and Landscape Design**: Climate responsive settlements, Design considerations in different climatic zones. Introduction to landscape design, types of landscapes and their characteristics, linkages with nature and built environment. Elements and materials of landscapes, characteristics of various types of plants, topography and their suitability of landscaping. Landscape conservation.

- **High Rise Buildings**: Introduction, high rise buildings in urban environment, physical planning considerations, space planning and design standards, buildings byelaws and codes. Structural systems and services.

- **History of Architecture**: Development of architecture in India from the earliest times up to the end of the fourteenth century. Characteristic styles of modern architecture up to First World War. Characteristic styles of modern architecture after the Second World War. Contributions made by pioneers and notable architects.

- **Conservation of Heritage Buildings & Monuments**: Defining Heritage – Cultural value and Cultural capital – Terminologies, Attitude and Approaches to conservation. Various criteria for listing buildings, Use and structural issues of historic buildings. Explore legislation for the heritage from an international perspective, Role of various Agencies and Bodies that promote conservation.

- **Human Settlements**: Physical form, structure, socio cultural and political aspects, growth and decay of settlements during ancient, medieval and Renaissance periods, Industrial evolution and its impacts, Utopian concepts in settlement planning, Contemporary issues.

- **Project Management**: Introduction to project management, probability theory and its application in construction, planning and project management.

FASHION, TEXTILES & CLOTHING

FASHION:

TEXTILES:
Textile Fibers, Yarns and Fabrics, Fabric Studies- Characteristics and drapability of fabrics and how these affect the development of silhouette and design. Appropriate sewing techniques for various fabrics. Dyes & dyeing procedures, Types of Printing and their methodology, Different types of weaves and their characteristics, the Looms used for weaving in India, Finishing processes done on fabrics and their significance, Different Ikat dyeing techniques, Traditional Textiles of India, Crafts related to textiles in India, Advance technology in Surface developments in Textiles.

CLOTHING:
Design room practices 2D & 3D methods of Pattern Making and draft manipulation and application as per Industry requirement & Construction of the same (Men’s Wear, Women’s Wear and Children Wear), Knowledge and usage of appropriate trims and fasteners for the apparels, Understanding of adequate seams and seam finishes for the particular category of garments. Psychological & Sociological aspects of Clothing, Taboos in clothing & fashion. Recent developments in Clothing Technology.