Department of

Architecture
Design
Introduction to Architecture Design

Architecture primarily involves the design of buildings. However, the scale of activity in practice can range from furniture design to city form, and from community involvement and social change, to development and technical research. Architects engage in activities ranging from conceptual problem solving to project management. Their unique skill lies in the three-dimensional design of buildings, addressing use, appearance, and construction. Architects must deal with a range of knowledge including design, technology, social requirements, business practices, and legal matters.

An architect’s work varies considerably from day to day. In the course of their work, architects do a variety of things: of course they design - which means they plan, they visualize, they relate, they select, they discard, they synthesize, they develop solutions. However, this is often one quarter or less of the time spent, although it is the core of architectural services. Architecture is a business, of which the creative design part is only one aspect. Technical knowledge, administrative skills and an understanding of good business practice is also important. Activities include getting the job, solving the problems, estimating costs, producing the drawings and documents, calling the tenders and reviewing the work on the site. Every commission, every task is different. Boredom and lack of challenge are rare problems.

What Talent is required?

In architectural design, a combination of design, technical, social, cultural and business qualities are involved. Architects, like people in any other line of Endeavour, have varying strengths and weaknesses. All require some creative ability; however, there is room in the profession for a wide variety of skills.

B.Sc. Architecture Design at NFC IET

The B.Sc. Architecture Design program at NFC IET is designed to provide you with a sound knowledge of the architectural design process, and opportunity to acquire the necessary skills required becoming a professional architectural technologist.

Throughout the program, specialized skills in areas including the science of architecture, building design and construction are steadily introduced, providing you with the ability to understand and form the link between concept, design and physical construction. The course enables you to negotiate
and manage the design process, whilst understanding how to implement technical knowledge in developing practical and creative solutions, which meet existing working practices and legislation.

On successful completion of the course, you will:

- Become fully conversant with the main aspects of the discipline, namely Design Procedures, Design Technology, Procurement and Contracts and Professional Practice.
- Achieve competent and creative design solutions that satisfy market needs in terms of aesthetics and design performance whilst adhering to current technical and regulatory requirements preparation.
- Experience the development of design schemes making use of a range of presentation media including the use of computer based design and visualization tools.
- Have an understanding of the use of materials and construction methods, which lead to effective, economic and sustainable design solutions.
- Have developed increased self-awareness through regular design reviews, self-critiques and exposure to the competitive nature of Architectural Design through engagement with Design Competitions.
- Gain improved understanding of enterprise and organizational issues within the Architectural Design Technology specialization including project management, time/cost factors and ethical and legal responsibilities thus improving the potential for employment and business opportunities at the end of your studies.

Employment Prospects

The construction industry is cyclical, but about 75 percent of architects are always employed. In recent years, employment conditions have been very good for architects in Pakistan.
BACHELOR IN ARCHITECTURE DESIGN CURRICULUM
SEMESTER SYSTEM