

### About Kurukshetra

Kurukshetra is known as DHARAM KSHETRA, with historical and religious importance. Here, the battle of Mahabharata was fought, and Lord Krishna preached the philosophy of "KARMA" as enshrined in the holy book "Shrimad Bhagwad Gita". Kurukshetra is very well connected by Road, Rail and Air. NIT Kurukshetra is situated about 10 km from Pipli bus stand located on NH-44, and 5 km from Kurukshetra Railway Station. Nearby airports are New Delhi and Chandigarh.

### About NIT Kurukshetra

The Central Government in consultation with the Planning Commission had sanctioned a scheme of establishment of Regional Engineering Colleges under the Third Five Year Plan in order to expand the facilities for technical education in the country during the plan period. The Regional Engineering College (Presently National Institute of Technology), Kurukshetra was one of the seventeen RECs in the country. National Institute of Technology, Kurukshetra is an Institution of National Importance and received NIT status on June 26, 2002. The institute was ranked 58th in NIRF in 2023 among Engineering institutes in India. The institute offers B.Arch, B.Tech, M.Tech, MCA, MBA, and PhD degree courses in various specializations of Architecture, Engineering, Humanities and Management.

### Organizing Committee

#### Patron

Prof.(Dr) B. V. Ramana Reddy, Director, NIT, Kurukshetra

#### Co-Patron

Prof (Dr) Saraswati Setia, Dean (Faculty Welfare)

#### Convener

Prof.(Dr) H. K. Sharma, Coordinator

Department of Architecture and Planning, NIT, Kurukshetra

#### Coordinators

Dr Jitendra Singh Yadav, Asstt. Professor, CED

Dr Kanchan Garg, Adjunct Professor, DoAP

#### Organizing Secretary

Dr Rajeev Garg, Adjunct Professor, DoAP

Dr Pankaj Munjal, Asstt Prof, Civil Engg Dept.

### Department of Architecture and Planning

The Department of Architecture and Planning of NIT-Kurukshetra started functioning from the year 2024, for admission to a 5 years B.Arch program approved by the Council of Architecture, New Delhi under The Architect's Act 1972. The institute is committed as its earlier practice to prepare youngsters as core professionals in the field of architecture. A conducive environment and exposure to allied and core requirements through practical and experimental exposure targets towards excellence.

#### Resource Persons

Eminent Experts from industry/ R&D Organizations.

Eminent Faculty from IIT/NIT/Central Universities,etc.



## One Week FDP/STC on Fundamentals and Integration of Building Services in Architectural Design

June 23-27, 2025



Organized by  
**Department of Architecture and Planning**  
**National Institute of Technology**  
**Kurukshetra (Haryana)**

## Introduction

With the growing complexity and performance demands of modern buildings, it is more important than ever for architectural educators to thoroughly understand building systems and guide students in integrating them effectively from the early stages of design. The present course emphasizes the critical role of building services like vertical transportation, fire safety, water supply and sanitation, HVAC (heating, ventilation, and air conditioning), electrical systems, and building technology in shaping comprehensive and effective architectural design. Further, the course aims to enhance both the pedagogical skills and technical knowledge of architecture faculty and professionals.

Over the course of the week, participants will experience practical exercises conducted by experts in the domains of technology, mechanical and electrical engineering, and architecture, etc. Emphasis is to place coordination between architectural design and service layout to avoid common design-service conflicts encountered in real-world projects. The short-term course will provide updated knowledge and technical clarity.

## Workshop Objectives

1. To enhance the ability of educators to integrate building services effectively into architectural design from the conceptual to the execution stage.
2. To familiarize participants with current codes, standards, and sustainable practices related to building services.
3. To empower faculty to guide students in creating functionally efficient, code-compliant, and service-integrated building designs.

## Following topics shall be covered in the FDP:

1. Concepts, components, and significance of building services.
2. HVAC Systems and its application.
3. Electrical services, lighting design, and energy-efficient electrical planning.
4. Water conservation techniques and sustainable drainage design.
5. Smart building technologies for sustainable development, enhanced efficiency and user comfort.

**Certificates/E-Certificates will be provided to the participants fulfilling following criteria:**

1. Maintain at least 80% attendance in the workshop
2. Securing minimum 70% marks in the Quiz/Test

**\*Registration fee**

Faculty/Professionals : Rs. 2000/-

Research Scholars : Rs. 1500/-

Registration fee will include Kit, Lunch and Snacks, and is non-refundable.

**Payment Mode :**

Follow SBI Collect - Select Education Institutes - Select Haryana – Search Director National Institute of Technology Kurukshetra – FIBSAD 2025 under payment category - follow the steps for payment. For all other categories select Rs 0 and proceed. Kindly do not forget to download the receipt and attach the same in registration form link. <https://forms.gle/SdKC925HJ6YzxTAC7>

**Important Dates:**

**Last date of Registration : June 19, 2025**

**Confirmation of registration : June 21, 2025  
through email.**

Registration of the participants will be on first-come-first-served basis. Participants must have valid ID proof of a student from the associated organization.

Outstation participants shall make their own arrangement of boarding and lodging. Limited accommodation may be provided on NIT Kurukshetra campus (subject to availability) with prior booking request on payment basis (to be borne by the participant as per actual, in addition to Registration Fee). No TA/DA will be paid to the participants. Estimated boarding and lodging charges (twin sharing basis): INR 500/- per day approx.

Information brochure can be downloaded from Website: <https://nitkkr.ac.in/>

For further information and latest updates, kindly contact the following:

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