



*Training Course*  
*on*  
***National Building Code***  
***of India 2016***



**BUREAU OF INDIAN STANDARDS**

Ministry of Consumer Affairs, Food & Public Distribution  
Government of India

**National Building Code of India 2016 (NBC 2016)** is a prestigious publication of Bureau of Indian Standards (BIS) which is widely used by the various stakeholders, such as building regulatory departments, government construction departments, builders/developers, private construction agencies/contractors, building material manufacturers and suppliers, building professionals (like civil engineers, structural engineers, architects, urban designers, landscape architects, town planners and building services engineers) and consultants, academic institutions and R&D organizations.

NBC 2016 is intended to help regulate and guide the building construction activity in the whole of the country, particularly the municipal corporations, municipalities, development authorities and other local bodies, public works departments and other construction departments and agencies dealing with land development and building construction. NBC 2016 thus serves as a model for adoption by PWDs and other construction departments, local bodies and other construction agencies. The Code focuses on functionality, accessibility, sustainability and safety covering structural safety, fire safety, health safety and public safety. The Code covers aspects such as administration; development control rules; general building requirements; fire and life safety; selection of building materials; structural design using various material streams; construction project management, practices and safety; various building and plumbing services; sustainability in buildings and built environment; and asset and facility management.

The country is on the path of rapid urbanization and development. Considering the importance of the Code in ensuring quality and safety of the buildings and related infrastructure, it is important that various stakeholders contributing to building planning, design, construction and operation and maintenance are well aware of the provisions of NBC 2016 for judicious implementation of the provisions and intent of the Code. **Bureau of Indian Standards (BIS)**, being the National Standards Body of the country through its training arm, the **National Institute of Training for Standardization (NITS)** has designed the following short-term courses on NBC 2016 for national capacity building:

1. **Accessibility in Buildings and Built Environment;**
2. **Fire and Life Safety;**
3. **Soil and Foundation Engineering;**
4. **Structural Design;**
5. **Air Conditioning, Heating and Mechanical Ventilation; and**
6. **Plumbing Services.**

## Course Modules

S.No.	Name of the Course	Duration	Topics covered	Date
1	Course on Accessibility in Buildings and Built Environment	2 Days	<ul style="list-style-type: none"> <li>• Introduction and Awareness Raising</li> <li>• Access for All – Legal and Policy Framework</li> <li>• Introduction to National Building Code of India 2016, Applicability, Scope, Terminology</li> <li>• Universal Design</li> <li>• Anthropometrics</li> <li>• Accessible Parking</li> <li>• Approach to the Building and Building Entrances</li> <li>• Internal Circulation</li> <li>• Level Changes/Vertical Circulation</li> <li>• Elevators/Lifts - Design Considerations</li> <li>• Sanitary Facilities</li> <li>• Tactile Ground Surface Indicators</li> <li>• Signage</li> <li>• Retrofitting in Existing Buildings</li> </ul>	<ul style="list-style-type: none"> <li>• 24-25 July 2023</li> <li>• 26-27 October 2023</li> <li>• 01 -02 February 2024</li> </ul>
2	Course on Fire and Life Safety	2 Days	<ul style="list-style-type: none"> <li>• Introduction and Overview of NBC 2016</li> <li>• Fire Prevention</li> <li>• Life Safety</li> <li>• Fire Protection</li> <li>• Additional Occupancy-wise Requirements</li> <li>• Special Requirements for High Rise Buildings, Atrium, Commercial Buildings and Car Parking Facilities</li> <li>• Special Occupancies (Hospitals, Malls and Multiplexes, Datacentres)</li> <li>• Metro Trainways and Metro Stations</li> <li>• Case Studies</li> </ul>	<ul style="list-style-type: none"> <li>• 10-11 July 2023</li> <li>• 02 – 03 November 2023</li> <li>• 05-06 March 2024</li> </ul>

3	Course on Structural Design	3 Days	<ul style="list-style-type: none"> <li>• Introduction and Overview of NBC 2016</li> <li>• Plain, Reinforced and Prestressed Concrete</li> <li>• Prefabricated Concrete</li> <li>• Masonry</li> <li>• Timber and Bamboo</li> <li>• Discussions on Defects in Construction Leading to Adverse Impact on Structural Performance</li> <li>• Steel Design</li> <li>• Glass and Glazing</li> <li>• Soil and Foundation</li> </ul>	<ul style="list-style-type: none"> <li>• 12-14 June 2023</li> <li>• 04-06 October 2023</li> <li>• 14-16 February 2024</li> </ul>
4	Course on Soil and Foundation Engineering	2 Days	<ul style="list-style-type: none"> <li>• Introduction and Overview of NBC 2016</li> <li>• Sub-surface Investigation</li> <li>• Shallow Foundations</li> <li>• Deep Foundations</li> <li>• Ground Improvement</li> <li>• Case Studies</li> <li>• Special Projects – Experiences and Learnings</li> </ul>	<ul style="list-style-type: none"> <li>• 11-12 May 2023</li> <li>• 17-18 August 2023</li> <li>• 04-05 December 2023</li> </ul>
5	Course on Air Conditioning, Heating and Mechanical Ventilation	2 Days	<ul style="list-style-type: none"> <li>• Introduction and Overview of NBC 2016</li> <li>• Planning and Design for HVAC system</li> <li>• Selection of Air Conditioning Products and System Based on Design Considerations</li> <li>• Installation, Commissioning and Operation and Maintenance</li> <li>• Sustainability and Performance Validation</li> <li>• Specialized HVAC System</li> </ul>	<ul style="list-style-type: none"> <li>• 25-26 May 2023</li> <li>• 25-26 September 2023</li> <li>• 04-05 January 2024</li> </ul>
6	Course on Plumbing Services	2 Days	<ul style="list-style-type: none"> <li>• Introduction and Overview of NBC 2016</li> <li>• Water Supply &amp; Drainage</li> <li>• Gas Supply</li> <li>• Solid Waste Management</li> <li>• Water Efficient Plumbing Products</li> <li>• Case Studies</li> <li>• Special Projects – Experiences and Learnings</li> </ul>	<ul style="list-style-type: none"> <li>• 26-27 June 2023</li> <li>• 21-22 September 2023</li> <li>• 21-22 March 2024</li> </ul>

### **Learning Objectives**

- *Bridging the competence gap in the skills of personnel currently involved & working with the municipal corporations, municipalities, development authorities, public works departments and other construction agencies, builders/developers, building professionals, etc. involved in land development and building construction activities.*
- *Making participants skilled enough to be achieving proficiency in building design and construction including matters relating to quality, safety and accessibility.*

### **Who should attend?**

- *All those concerned with city planning, building regulation, and planning, design, construction and maintenance of buildings and built assets and facilities.*

### **Course Duration**

- *Each Course is of 2 - 3 days duration.*

### **Fees**

- *Rs. 1,500/- for 2-day Course\**
- *Rs. 2,000/- for 3-day Course\**

*\*Plus applicable GST*

### **How to Apply?**

- *Application has to be made through BIS Training Portal through the following link **[www.manakonline.in](http://www.manakonline.in)** or through emailing filled up application form to **[nits@bis.gov.in](mailto:nits@bis.gov.in)**.*

### **Criteria for Selection and Batch Size**

- *Batch size – 40*
- *Selection on First come First serve basis*

### **Certification**

- *Certificate of participation on completion of the course.*

### **Venue**

- *The course will be run by NITS, Noida. Hostel facilities at NITS, Noida can be availed on payment basis.*





## Reach Us

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