



**DEPARTMENT OF CIVIL ENGINEERING  
INDIAN INSTITUTE OF TECHNOLOGY GANDHINAGAR  
Palaj, Gandhinagar 382355**

**Gaurav Srivastava  
Assistant Professor**

May 10, 2019

**Subject: Short Course on **Building Design for Fire and Life Safety** during **June 26 – 29, 2019**  
to be held at **IIT Gandhinagar****

Dear Sir/Ma'am:

I enclose herewith brochure for the above mentioned course. Since the new infrastructural demand requires innovative solutions to overcome the challenges posed by fire on the new and existing infrastructure, we believe that this course may prove very useful to engineers interested in design and construction.

In the past, the course instructors have been very successfully conducted numerous training courses on similar topics for professional engineers. All the courses were very much appreciated by the participants.

We therefore suggest that you consider sponsoring some of your engineers to this course.

Thanking you,

Yours sincerely,

Encl: Brochure of the short course

Gaurav Srivastava



**Short Course on**

**Building Design for Fire and Life Safety**

To be conducted at IIT Gandhinagar during **June 26 – 29, 2019**

**Course Objectives**

As the density of Indian urban and rural areas grows, the threat of fire poses more and more challenges. There have been several fires in the recent past which caused significant damages, loss of life, and economical setbacks. On an average, at least one sizeable fire makes it to the news stories every week.

This course aims to cover aspects of fire and life safety in design of buildings. The course will include discussion of provisions of NBC as well as global standards and existing state-of-the-art. Few dedicated sessions will be conducted on fire performance of building façade systems and perimeter fire barriers – systems that are increasingly being used in modern buildings. Such systems are relatively less understood from fire and life safety perspectives and will be covered by experts during this short course.

IIT Gandhinagar is also home to a unique full-scale fire testing facility, which is the only of its kind facility in India. Details of fire tests conducted in past will also be discussed during this course.

It is expected that the course will enhance the understanding of fire and life safety aspects of built environment among all stakeholders of the Civil Engineering community.

**Participants**

The course is designed for

- Civil Engineers, in Central and State Governments and PSUs in particular Structural Engineers engaged in design and execution of structures.
- Senior professionals responsible for directing these activities.
- Faculty/Students in civil engineering at academic institutions.
- Architects and Building planners
- Fire officials and Inspectors

**Course Contents**

- Key concepts in space design – egress, compartmentation, ventilation
- Discussion of NBC 2016, Part IV
- Consideration of fire as a structural load
- Design of RC and steel structures for fire
- Structural fire protection systems – boards, intumescent paints

- Design considerations for sprinkler/ firefighting systems
- Design of fire barriers
- Behavior of façade systems in fire
- Case studies on full-scale façade fire tests held at IIT Gandhinagar

**Course Faculty**

The course will be conducted by

- Mr Abhay Purandare, Fire Consultant
- Prof. Anil Agrawal, IIT Hyderabad
- Mr Sandeep Goel
- Mr. Brij Bhushan Singh, Hilti India Pvt Ltd
- Prof. Gaurav Srivastava, IIT Gandhinagar

**Certificate**

Participants who successfully complete the course will be awarded a certificate.

**Venue**

The course will be conducted at IIT Gandhinagar campus at Palaj, Gandhinagar.

**Registration**

The course fee is Rs. 16,500/- (Rupees Sixteen Thousand Five Hundred only) per participant. It includes course material, lunch, and tea breaks. The fee is payable in advance by a crossed cheque or demand draft in favor of “**IIT Gandhinagar Conference Account**”, payable at Gandhinagar, or via online transfer at the account details given in registration form. The postgraduate students and faculty of civil engineering may request a discount in course fee.

Interested persons should send the enclosed Registration Form to:

Mr. Dipak Lalpura  
Organizing Secretary, Course on Fire-2019  
Indian Institute of Technology Gandhinagar  
Palaj, Gandhinagar, Gujarat – 382355  
Mob: 9099950407; Fax: 079-23952032;  
Email: dipak.lalpura@iitgn.ac.in

The course website and online registration form is available at the following link:

[events.iitgn.ac.in/2019/fire2019](http://events.iitgn.ac.in/2019/fire2019)



Indian Institute of Technology Gandhinagar

Short Course on

**Building Design for Fire and Life Safety**

To be conducted at IIT Gandhinagar during **June 26 – 29, 2019**

**Registration Form**

**Name :**

**Designation :**

**Organization :**

**Postal Address :**

Phone (office):

Fax :

Phone (home):

Email 1:

Phone (mobile):

Email 2:

**Qualifications and Background :**

**Registration Fee :**

a) Enclosed is a crossed demand draft no. ....dated ..... for Rs. ....in favor of **"IIT Gandhinagar Conference Account"** payable at Gandhinagar.

**OR**

b) From the Account No. ...., bank transfer of Rs ....., with transaction ID ..... dated ....., has been done to the account details given below:

Bank: Canara Bank

Account name: IIT Gandhinagar Conference Account

Account no.: 1414132000015

IFS Code: CNRB0005159

Note: During NEFT/bank transfer fill the Remarks column with the text, **"Fire-2019"**

**OR**

c) I shall send the registration fee by ..... (please indicate date).

(Signature)

**Please return to:**

Mr. Dipak Lalpura

Organizing Secretary, Course on Fire-2019

Indian Institute of Technology Gandhinagar

Palaj, Gandhinagar- 382355

Mob: 9099950407; Email: dipak.lalpura@iitgn.ac.in