

## COURSE OBJECTIVES

Safety analysis and life estimation are important concerns in design and development of machines, structures and integrated systems. Although the classical approaches have been fully exploited for such purposes, better predictions have been possible only by the new methods based on the principles of fracture mechanics. This has led to a paradigm shift in design and development, and developing new materials.

The design based fracture mechanics has become part and parcel in aerospace industry, power generation units, chemical plants, nuclear power generation systems, etc. There is an ever increasing trend in the usage of the new principles in design.

This course will cover the fundamental principles of fracture mechanics and show their applications to practical design. It will also include some laboratory demonstrations/experiments and problem solving sessions.

The lecture will be delivered by faculty members of the Institute and experts drawn from other academic Institutions and Industry. Industry experts involved in real applications will share their experience on the varied applications.

## WHO MAY BENEFIT

The course will benefit faculty members of engineering institutions/colleges, research scholars, persons engaged in R&D and actual design and development. It will also benefit independent design consultants and self-learners.

## COURSE DURATION

May 11 (Wednesday) to May 15 (Sunday), 2016.

## COURSE VENUE

Victor Menezes Convention Centre (VMCC), IIT Bombay.

## NOTE FOR PARTICIPANTS

Number of participants will be limited to 50. People interested in attending must apply following the important deadlines.

Last date of receipt of application in the prescribed format :15 February 2016  
Intimation to candidates on selection :25 February 2016  
Last date of submission of course registration fee : 05 March 2016

For additional copies of the registration form, please use a photocopy or type in the format given.

## COURSE FEE

Participant from industry : Rs. 4000/- + Service tax @14.5% =  
Rs.4,580/- per day  
Total course fee: Rs.22900/-

Faculty members and Persons  
from Govt. Organisations : Rs.2200/- + Service tax @14.5%=  
Rs.2520/- per day  
Total course fee: Rs.12600/-

Research Scholars : Rs.1800/- + Service tax @14.5%=  
Rs. 2061/- per day  
Total course fee: Rs.10305/-

The course fee includes lecture materials on pen drive and appropriate hard copy plus daily tea/coffee and lunch during the duration of the course. The fee does not include any support towards travelling expenses to and from IIT Bombay, accommodation, and daily breakfast and dinner.

## PAYMENT OF COURSE FEE

The course fee should be paid by demand draft drawn in favour of 'The Registrar, IIT Bombay – CEP Account' and sent to the coordinator so as to reach him before the deadline.

No income tax is to be deducted at source from the course fee, as IIT Bombay is exempt from the same.

## ACCOMMODATION

The candidates can be provided with accommodation in the Hostels at subsidised rates. The daily cost would be within Rs.600/- per day, which includes breakfast, dinner and accommodation. The participant has to pay the amount directly to the hostel manager at the time of taking over the hostel room.

A very limited number of rooms will be made available in the Institute Guest House. The charges for room is Rs.1200/- per day for single occupancy, and Rs.1000/- per day for twin-sharing basis. The charges for breakfast and dinner will be extra.

**ADDRESS FOR CORRESPONDENCE / CONTACT:**

**Prof S K Maiti,**

Mechanical Engineering Department,  
IIT Bombay, Powai, Mumbai 400076.

Telephone : (022) 2576 8526 (O)

Fax : (022) 2572 6875

Email: : [skmaiti@me.iitb.ac.in](mailto:skmaiti@me.iitb.ac.in)

For details regarding the CEP courses conducted by the Institute, please visit: <http://www.iitb.ac.in/~cep/>



Five-day CEP Course on

**SAFETY ANALYSIS AND LIFE ESTIMATION OF  
MACHINES**

**11 – 15 May 2016**

Coordinator

**Prof. S.K. Maiti**

Department of Mechanical Engineering

Office of  
Continuing Education & Quality Improvement Programmes

**Indian Institute of Technology Bombay  
Powai, Mumbai – 400 076**

APPLICATION FORM FOR PARTICIPATION

**Five-day CEP Course on  
SAFETY ANALYSIS AND LIFE ESTIMATION OF MACHINES  
11 – 15 May 2016**

(Please return the form by email or post to the Coordinator before **15 Feb., 2016**)

NAME (IN BLOCK LETTERS): Dr./Mr./Mrs./Ms.\_

ACADEMIC QUALIFICATION AND BRANCH:

DESIGNATION: EXPERIENCE (in years):

AFFILIATION ADDRESS:

Dept.

Institution:

Address:

Pin:

Email:

Mobile:

**Write in short** why you want to attend the course:

**Signature of applicant:**

**For Official Use:**

Accept / Reject:

Notification sent: Yes/No; date: