INTRODUCTION

Research and teaching laboratories in educational institutions deal with activities covering a wide range of subjects. The experiments conducted in laboratories and research projects undertaken involve use of different types of hazardous chemicals and chemicals reactions, use of infectious biological agents, toxic and flammable gases, radioactive isotopes, machineries and equipment, cryogens, high voltage experiments and use of high power lasers to mention a few. Inherent hazards are associated with these activities which can cause serious harm to people involved.

In addition to above exogenous hazards there are many factors related to the physical demand and nature of the work and the workplace itself, which are encountered over a prolonged period of time, and pose a serious ergonomic hazard to the persons concerned. These factors acting slowly over a few weeks to months can give rise to various musculoskeletal disorders (MSDs) in the form of low back pain, neck pain, foot pain and so on. These MSDs may result from repeated overuse or injury to muscles, tendons and ligaments due to faulty body posture and inaccurate technique of performing a movement.

BROAD OBJECTIVES

This short term course is intended to create awareness of the potential hazards and risks involved among students and faculty members of engineering colleges who are involved in laboratory activities. This course further aims to train students and faculty members of engineering colleges to assume healthy and safe work postures and environment, an awareness and knowledge about ergonomic safety to avoid various musculoskeletal disorders.

COURSE CONTENTS


WHO MAY BENEFIT

This course will help students as well as faculty members of engineering colleges to familiarize them with the safe work practices and importance of safe behaviors.

VENUE FOR CLASSES

Course will be held at the Victor Menezes Convention Centre, IIT Bombay.

LECTURE NOTES

To fully realize the objectives of the course, the lecture notes/slides will be made available to the participants at the time of registration at IIT Bombay.

FACULTY

The teaching faculty constitutes experts from Department of Biosciences and Bioengineering IIT Bombay.

ACCOMMODATION

Accommodation on twin sharing basis is available in the Institute Guest house for a limited number of participants on payment basis and with an advance request.

IMPORTANT DATES

Last date for receipt of registration form: May 31, 2018

Course dates: June 11 – June 15, 2018

Note:
• Incomplete application forms will not be entertained.
REGISTRATION

Per participant

- Academia: ₹ 19000 (Including 18% GST)
- Govt. Organization: ₹ 19000 (Including 18% GST)
- Industry: ₹ 25000 (Including 18% GST)
- Overseas: ₹ 75000 (Including 18% GST)
- Student: ₹ 10000 (Including 18% GST)
- Others: ₹ 25000 (Including 18% GST)

The participants should register for the course and pay the respective course fees online at the following URL on

https://portal.iitb.ac.in/ceqipapp/

Only online registration is accepted for this course

No income tax is to be deducted at source from the course fee, as IIT Bombay is exempt from the same. The course fee includes course material, lunch and coffee/tea.

A Certificate of Participation will be awarded to all the participants of the course.

CEP Short Term Course on

Laboratory and Ergonomic Safety for Engineers

June 11 – 15, 2018

Coordinator

Prof. Ambarish Kunwar
Department of Biosciences and Bioengineering

Office of
Continuing Education & Quality Improvement Programmes

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Powai, Mumbai – 400 076