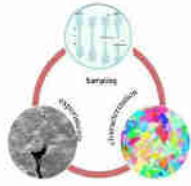


**QIP Sponsored
Short Term Course (STC) &
Continuing Education Programme (CEP)
On
Mechanical Properties and
Deformation Behaviour of Structural Materials
27th August- 1st September, 2018**



**Quality Improvement Program Center
&
Department of Metallurgical Engineering
Indian Institute of Technology (BHU)
Varanasi – 221005, (U.P.) India
Phone: 0542 - 2369434
Email: coordinator.qip@itbhu.ac.in**

ABOUT THE COURSE

Structural materials are frequently subjected to different types of loading, environments and temperatures during their service, hence the knowledge about their mechanical properties and procedure of evaluation is essential. The focus of this course would be to familiarize testing methodology and evaluation of different mechanical properties of materials subjected to different loadings such as tensile, compressive, impact, fatigue and creep. The effect of microstructure and processing parameters on deformation behaviour would also be discussed. Different types of fracture and their characterization would be dealt in brief.

COURSE CONTENT

Mechanical Testing

- Hardness
- Tensile and Compression
- Fatigue
- Creep
- Impact
- Torsion and Bending
- Wear
- Fracture Toughness
- Nano-Indentation
- Sheet metal forming

COORDINATOR

Dr. Kausik Chattopadhyay
Associate Professor
Department of Metallurgical Engineering,
Indian Institute of Technology (BHU), Varanasi, India
E-mail: kausik.met@itbhu.ac.in
Phone: 9451845661 / 8052636741

JOINT COORDINATOR

Prof. N C Santhi Srinivas
Department of Metallurgical Engineering,
Indian Institute of Technology (BHU), Varanasi, India
E-mail: ncssrinivas.met@itbhu.ac.in
Phone: 9335004273

REGISTRATION

Category I

Registration of QIP Sponsored Teachers from AICTE approved Institutions: Participants should bring a letter of nomination from their head of institution stating that they are being deputed for the course. **There is no registration/ accommodation fee.** However, a Demand Draft of Rs. 2,000/- (drawn in the favour of “**Registrar, IIT(BHU), Varanasi**”) should be enclosed with the application form which will be refunded to the participants at the end of the course. The total reserved seats for QIP candidates are 30 which will be awarded on first-cum-first served basis. The refund amount of Rs. 2,000/- will not be returned to absentees.

Category II

Registration for Others (CEP)

1. Scientists / Technologists / Engineers from Industry or Government institutions : Course Fee **Rs. 25,000/-**
2. Faculties from University and Engineering Colleges not sponsored by AICTE: Course Fee: **Rs. 15,000/-**
3. Ph.D Research Scholars: Course fee: **Rs. 3,000/-**

Registration Fee may be paid either by electronic transfer, cheque or Demand draft. The bank account details are as follows:
Account Name: **MPDB-2018**
Account Number: **50200031119904**
Bank Name: **HDFC Bank**
Branch: **Trauma Centre BHU Varanasi**
IFSC Code: **HDFC0003945**

Candidates will be provided course materials, working lunches, tea and snacks during the course hours. Registration fees, boarding and lodging expenses will be waived for QIP sponsored candidates. To-and-fro travel cost (A/C 3-tier / sleeper class rail fare only) by the shortest route between the place of work and the venue of the course will be reimbursed for Category-I. It should be borne by the participants of **category II**. They are requested to arrange their own accommodation, however, necessary help will be provided by the organizing committee, if required.

APPLICATION FORM FOR

QIP SHORT TERM COURSE

&

CONTINUING EDUCATION PROGRAM

On

“Mechanical Properties and Deformation

Behavior of Structural Materials”

27th August –1st September, 2018

1. Name (block letters):

2. Designation & pay scale:

3. Organization:

4. Address for communication:

Pin code:

Ph. No.:

Fax No.:

E-mail:

5. Highest Academic Qualification:

6. Specialization:

7. Experience (in years):

(a) Teaching:

(b) Industrial:

8. Amount of TA required as per entitlement

mentioned in the brochure (only for AICTE approved college teachers): Please register me for the course on”

Mechanical Properties and Deformation Behavior of Structural Materials” to be held at IIT (BHU)

Varanasi.

Place:

Date:

Signature of the Applicant

SPONSORSHIP

Prof./Dr./Mr./Ms./Mrs./_____ is an employee of our institute and his/her application is hereby sponsored. The applicant will be permitted to attend the short-term course “**Mechanical Properties and Deformation Behavior of Structural Materials**” at IIT (BHU) Varanasi during date of Short Term Course, if selected.

Date: _____ Signature of Sponsoring Authority

Designation: _____ Official Seal

Registration Fee Details:

DD/Cheque/Electronic Transaction No.

Bank: _____ Date

DD/Cheque/Electronic Transaction should be done in favour of **MPDB-2018**

Refundable Security Deposit Details (for AICTE approved college teachers only):

DD No. _____ Date

Bank:

Amount: Rs.2,000 in favour of the Registrar IIT(BHU) Varanasi.

Signature of the Applicant

IMPORTANT DATES

Last date for receiving applications: **August 10, 2018**

Intimation to the applicants: **August 14, 2018**

Duly filled application form along with cheque / draft should reach to:

Dr. Kausik Chattopadhyay

Associate Professor

Department of Metallurgical Engineering, Indian Institute of Technology (BHU), Varanasi – 221 005 UP, India

E-mail: kausik.met@iitbhu.ac.in

Mobile: 9451845661 / 8052636741

GENERAL INFORMATION

Varanasi being a popular tourist destination, it is packed with hotels and restaurants over a wide price range. Limited accommodation is available within the institute on sharing basis and it will be provided on first come first serve basis, however, it cannot be guaranteed. In case you are interested in staying within the campus, please contact along with your application.

HOW TO REACH

Varanasi, a famous tourist spot, is well connected and accessible to major Indian cities. There are daily domestic flights to and from Varanasi to several cities in India like New Delhi, Mumbai, Bangalore, Chennai, Hyderabad, Kolkata etc. Nearest railway Stations are Varanasi Cantonment and Mughalsarai. The Institute is located in the south of the Varanasi city, about 7 km from Varanasi Railway Station and 30 km from the Babatpur (Varanasi) airport. Taxis, Auto-rickshaws, are available for transport. Daily flights on Delhi-Agra-Khajuraho-Varanasi route are quite popular among the tourists.

ABOUT VARANASI

Varanasi, the holy city of India, is also known by the name of Kashi and Banaras. Kashi, the city of Moksha for Hindus since centuries, is known for its fine-quality silks, 'paan' and Banaras Hindu University. Varanasi is the most popular pilgrimage city for the Hindus. One of the seven holiest cities, Varanasi is the oldest city of the world. Varanasi is more than 3000 years old and is famous as the city of temples. Sarnath is about 10 Km from Varanasi. The museum, excavation sites and the Buddhist temples bear the testimony of amalgamation of Indian culture with the neighbouring countries.