

Registration Form
Short Term Course
on
DEFORMATION BEHAVIOR AND MECHANICAL
PROPERTIES OF MATERIALS
(DBMPM-2020)
(Under TEQIP-III)
June 15-19, 2020

1. Name (BLOCK LETTERS):.....
2. Designation:.....
3. Organisation/Institution:
4. Qualification:.....
5. Mailing Address:
6. Phone No.:.....
7. E-mail ID:.....
8. Category (Pl. tick):
Industry ☐
Academic Institution / R&D Org. ☐
Student/research scholar ☐
9. Details of D.D./Net transfer:
Amount.....
Bank
DD No. and Date:
Reference no (net transfer):.....

Certified that the above information's are true and correct to the best of my knowledge and belief.

Date: _____ Signature of applicant
Place: _____

Signature and seal of Head of the Department/Institute

ORGANISING COMMITTEE

Patron : Prof. Anupam Basu, Director, NIT Durgapur
Chairman: Dr. M. M. Ghosh, Head, Metallurgical and Materials Engg. Dept., NIT Durgapur

Co – coordinator
/Organizing Secretary: Dr. M. Mallik,
Dr. B.K. Show,
Dr. M.M. Ghosh

Treasurer: Dr. Manas K. Mondal

Members

Dr. Karuna Sindhu Ghosh
Dr. Joydeep Maity
Dr. Madan M. Ghosh
Dr. Supriya Bera
Dr. Bijay K Show
Dr. Manas K. Mondal
Dr. Satadal Ghorai
Dr. Susanta Pramanik
Dr. Durbadal Mandal
Dr. Arup Kumar Mandal
Dr. Krishna Priya Yagati
Dr. Barnali Maji
Dr. Manab Mallik

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Important Dates

Last date for receiving registration form: 05.06.2020
Date of confirmation: 08.06.2020

Short Term Course

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Department of Metallurgical and Materials Engineering
National Institute of Technology, Durgapur

National Institute of Technology, Durgapur (formerly Regional Engineering College, Durgapur), has a glorious past and illustrious present. It has its foundation in the name of Regional Engineering College, Durgapur, which was instituted to function as a pace setter for engineering education in the country and to foster national integration. It is a fully-funded premier technological Institution of the Government of India and is administered by an autonomous Board of Governors. Of late, Durgapur city has been under significant growth in industrial and educational sectors in view of techno-scientific progress.

Technical Education Quality Improvement Programme III (TEQIP-III) is a world bank funded project aiming at improving the technical education of the country and uplifting the research quality. It helps to fund innovative projects in the academic institutions and developing laboratory facilities needed to pursue research activities. **Centre of Excellence (CoE) on Advanced Materials** was set up in NIT Durgapur under the funding of TEQIP-II for research and development of materials for advanced structural and functional applications.



About the course: Mechanical behavior of materials provides an idea of material performances under load. During service, materials experience different types of loading environments. Therefore, knowledge of deformation behavior and mechanical properties evolution are essential for structural applications of materials. This course will provide deliberations and hands on session on deformation behavior of materials under various loading conditions such as tensile, compressive, fatigue, impact, creep etc. The effect of processing conditions and microstructure on deformation behavior will be discussed.

Course Content:

- Deformation fundamentals
- Theory of elasticity and plasticity
- Mechanical testing
- Tensile and compressive loading
- Fatigue
- Creep
- Fracture and fracture mechanics
- Wear
- Metal forming

List of speakers (tentative)

Prof. K.K. Ray, Ex. Professor, IIT Kharagpur
Dr. Soumitra Tarafdar, Chief Scientist & Head Materials Sc. and Tech. Division, NML Jamshedpur
Prof. Debalay Chakrabarti, Professor, IIT Kharagpur
Prof. Krishanu Biswas, Professor, IIT Kanpur
Dr. Debdulal Das, Asso. Professor, IEST, Shibpur, Howrah
Dr. Koushik Chattopadhyay, Asso. Professor, IIT BHU
Prof. Amiya Kumar Samanta, Professor, NIT Durgapur
Prof. Amit Kumar Chakraborty, Professor, NIT Durgapur
Dr. M.M Ghosh, Asso. Professor, NIT Durgapur
Dr. B. K. Show, Asso. Professor, NIT Durgapur
Dr. S. Bera, Asso. Professor, NIT Durgapur
Dr. K. Khan, Asso. Professor, NIT Durgapur
Dr. D. Mandal, Asst. Professor, NIT Durgapur
Dr. M. Mallik, Asst. Professor, NIT Durgapur

Eligibility for Participation

The program is open to engineering professionals from Industries, faculties from Engineering Institutions / Universities, employees from R&D organizations, students and research scholars.

Registration Fees

Category	Price (INR)
Participants from Industries	7000/-
Participants from R&D organizations and faculty members from Academic Institutions	5000/-
Student Participants	3000/-

How to apply?

Filled-in Registration Form along with a demand draft in favour of **CEP NIT DURGAPUR** payable at Durgapur should be sent to **HOD, MME, NIT Durgapur**. **Registration fee can also be paid by online transfer in the following account:**

Bank: STATE BANK OF INDIA

Branch: R.E. COLLEGE BRANCH

Account name: CEP NIT DURGAPUR

Account no: 37850318679

IFSC code: SBIN0002108

**Students must bring their identity card and attach a copy of it with the registration form.*