

TEQIP -III Sponsored 5 Days

Short Term Course

on

RECENT INNOVATIONS AND DEVELOPMENTS IN FUTURISTIC MATERIALS

[December 17-21, 2018]

Coordinators

Dr. Deepak Kumar
Dr. Shashank Pandey
Prof. M.K. Paswan

Joint Coordinators

Dr. Vineet Sahoo
Dr. Vishesh Ranjan Kar



Organized by:

Department of Mechanical Engineering
National Institute of Technology
Jamshedpur, Jamshedpur



Organizing Committee

Patron: Prof. Karunesh Kumar Shukla
Director NIT, Jamshedpur
Chairperson: Prof. Mani Kant Paswan
HOD, MED, NIT Jamshedpur
Coordinators: Dr. Deepak Kumar, Dr. Shashank Pandey,
Prof M.K.Paswan, MED, NIT Jamshedpur
Joint Coordinators: Dr Vineet Sahoo, Dr. V. R. Kar
MED, NIT Jamshedpur

Advisory Committee

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Prof. Mritunjay Kumar Sinha, MED, NIT Jamshedpur
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Prof. Ram Vinoy Sharma, MED, NIT Jamshedpur
Prof. Sanjay, MED, NIT Jamshedpur
Prof. ShalendraKumar, MED, NIT Jamshedpur

Resource Persons

The speakers will be mainly from National Institute of Technology Jamshedpur. A few external speakers will be drawn from IITs and other reputed organizations.

For
Students (UG/PG/Ph.D.), faculty members of
Science/Engineering, Industry personnel and
Scientists.

Important dates

Registration/Payment Closes on : **01.12.2018**

Acceptance : **04.12.2018**

Notes:

- Registration fee is non-refundable.
- No TA/DA will be provided for attending the course.
- To avoid postal delay, it is advised to send scanned copy of duly signed registration form and transaction receipt by email.

Registration Form

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Name:

Designation:

Department:

Institute:

Address:

Email:

Phone No:

Mobile No:

Qualification:

Area of specialization:

Payment Details:

Amount in Rs.....

Online Transaction ID

Date of Transaction.....

(Please enclose transaction slip)

Sponsored by.....

Name.....

Organization.....

Signature of applicant

Recommendation

Signature of Head of the Institution/ Head of the Department with seal)

About Institute and Jamshedpur

National Institute of Technology Jamshedpur was originally founded as Regional Institute of Technology in 1960. Later upgraded to National Institute of Technology on 27th December 2002, with the status of Deemed University. It is now totally under the control of Ministry of Human Resources Development (MHRD), Government of India, New Delhi, since April 2003. The institute offers B.Tech, M.Tech., Ph.D., M.C.A. and M.Sc degrees in various disciplines of Engineering, Sciences, and Humanities.

About the Department

The Department of Mechanical Engineering offers an undergraduate program in Mechanical Engineering and postgraduate programs in Computer Integrated Design and Manufacturing, Thermal Engineering and Energy System Engineering and PhD program in various research areas. The department also runs three year certificate course in Mechanical Engineering for the employees of Tata Steel under Continuing Education Program. The Department has experienced faculty and well -established laboratories to meet the requirement of UG, PG and PhD students

Objective

Over the recent decades, instead of traditional materials the applications of materials are continuously increasing in the automobile, aerospace, construction, marine, medical and military sectors. This is due to their specific advantages with respect to the various materials and cost effectiveness. The objective of this one week course is to create awareness amongst the faculty members, research scholars, students and industry personnel about the recent development in the area of advanced materials. The participants will have in-depth knowledge and possibly gain a new topic for their research. The lectures will be delivered by distinguished experts of their field. The short term course will include lectures, Lab visits and conduct of experiments.

Short term course topics:

- Basics Materials Overview, Characterization
- Functionally Graded Materials
- Finite Element Methods
- Damage Mechanics of Composites Materials
- Fatigue & Fracture of Materials
- Material Modeling
- Nanocomposites
- Machining and micromachining of the Composites

Number of seats: 60

Accommodation: The participants may be provided accommodation in the institute hostels depending on the availability and on a nominal payment basis as per actual on First-cum-First Serve Basis. Accommodation can also be booked in nearby hotels directly or through prior information to organizers.

Registration Fee:

Students (UG/PG):	Rs. 1000
PhD (Non-Residence):	Rs 2500
PhD (Residence):	Rs 3000
Faculty :	Rs 3000
Industry persons/Scientists:	Rs. 5000

Registration fees includes: Program kit, lunch, & tea

Mode of payment:

Participants can make payment by depositing the registration fee online in Account No. 37963459091 (Current Account, RIDFM-2018) of SBI Bank NIT Jamshedpur (Branch Code: 001882; MICR Code: 831002004; IFSC Code: SBIN0001882).

Spot payment is also admissible but only after prior approval from the organizers.

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