

Send the completed registration form to:

Dr. Arun Kumar Pandey

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Er. Vijay Verma

Phone: 9450135681

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IMPORTANT DATES:

The complete registration form should be submitted by Dec. 10, 2018.

Deadline for Registration: **Dec. 10, 2018**

Eligibility and Registration

The course is interdisciplinary in nature and is open to faculty members, research scholars, and industry personnel working, in Mechanical Engg., Civil Engg., Biotechnology, Applied Science & Humanities, Electronics and Electrical Engineering. The participants must be sponsored by their institutions

ACCOMMODATION

Accommodation for participants may be provided in the institute guest house/hostels depending on availability, on payment basis.

ORGANIZING COMMITTEE

PATRON:

Prof. V. K. Tyagi

Director, BIET, Jhansi

Chairman:

Dr. Tarun Soota

Associate Prof. & Head

Mechanical Engineering Department

B.I.E.T., Jhansi (U.P.) India

Convener

Dr. Arun Kumar Pandey (Associate Prof.)

Mechanical Engineering Department,

B.I.E.T., Jhansi (U.P.) India

Coordinator

Er. Vijay Verma (Assistant Prof.)

Mechanical Engineering Department,

B.I.E.T., Jhansi (U.P.) India

ADVISORY COMMITTEE

Prof. K.N. Panday, MNNIT, Allahabad.

Prof. A. K. Dubey, MNNIT, Allahabad.

Dr. Sanjay Soni, MANIT, Bhopal.

Dr. D.K. Shukla, MNNIT, Allahabad.

Dr. Ajay Bharati, MNNIT, Allahabad.

Dr. Vishal Parashar, MANIT, Bhopal

Prof. M.K. Gupta, BIET, Jhansi

Prof. A. K. Solanki, BIET, Jhansi.

Prof. Mukesh Shukla, BIET, Jhansi.

Dr. D.C. Dhubkariya, BIET, Jhansi.

Prof. A. K. Nigam, BIET, Jhansi

Dr. Ajay D. Hiwarkar, BIET, Jhansi.

World Bank (TEQIP-III) Assisted

Short Term Course

On

“Role of Nanocomposites in Science and Engineering (RNSE-2018)”

From

December 18-22, 2018

Convener

Dr. Arun Kumar Pandey

Coordinator

Er. Vijay Verma



Organized by

Department of Mechanical Engineering

Bundelkhand Institute of Engineering and Technology,

(An Academic Autonomous Govt. Institution)

Jhansi – 284128 (U.P.) INDIA

ABOUT THE INSTITUTION

Bundelkhand Institute of Engineering & Technology (B.I.E.T), Jhansi is located in the historical city of Maharani Lakshmi Bai. B.I.E.T., Jhansi was established in 1989. The institute consistently attracts the finest faculty and the best of students for its Bachelor's and Master's programs. At present, the institute offers seven B.Tech, seven M.Tech, and MBA programmes.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering is one of the pioneer and leading department in terms of well-educated faculty members, research activities as well as facilities. The department offers B.Tech., and M.Tech. (Manufacturing Science & Tech. and Thermal Engg.). The department has well equipped labs with modern facilities such as equipment, measuring tools, advanced machines and latest software. The lab View for virtual instrumentation along with Temperature and Pressure sensors with DAQ card, Wire EDM, ZNC EDM, ECM, Computerized Hardness tester, Pin-on-disc Wear test apparatus, Microscope etc purchased under TEQIP II grant are available in department. The department has well modern Virtual Class Room equipped with lecture recording and video conferencing systems.

COURSE OBJECTIVE

Composites are one of the widely used materials with better strength to weight /

stiffness ratio. There is reinforcement of composites with nano-particles/CNTs/ fibres has a potential to improve the mechanical properties by many times. This short-term course is aimed at the young as well as experienced faculty from different engineering colleges, undergraduate and postgraduate students. The main focus of this course is to strengthen their subject knowledge theoretically and practically, by providing in-depth insights on the fundamentals of the subject, extension to advanced topics and by indicating the key elements that should be emphasized while teaching and research. The course also focuses on application of polymer nanocomposites in optical, electrical and other engineering fields.

COURSE CONTENTS

- Introduction to Composites
- Fabrication of nanocomposites
- Mechanical Characterization of nanocomposites
- Viscoelastic properties of Nanocomposites.
- Behavior of composites under static loading.
- Behavior of composites under dynamic/ Fatigue loading.
- Use of composites for Armor applications.
- Multi physic modeling of composites.
- Methods of predicting behavior of composites under loading.
- Processing of nanocomposites
- Machining of Nanocomposites.

World Bank (TEQIP-III) Assisted Short Term Course On "Role of Nanocomposites in Science and Engineering (RNSE-2018)"

From

December 18-22, 2018

Registration Form

Name:.....
Gender (Male/Female):.....
Designation:.....
Organization:.....
Address:.....
Pin.....Mobile:.....
Email:.....
Accommodation: Required/Not required

Signature of the Participant with date

Sponsorship Certificate

It is certified that _____ is permitted to participate in the 'RNSE'2018.

Date:

Signature
Head of the Department/ Institute