

IMPORTANT DATES:

For External Participants:

Last date of Registration: **March 24, 2019**

Notification about Selection: **March 25, 2019**

Participants' Confirmation: **March 25, 2019**

ELIGIBILITY AND REGISTRATION

Faculties, research scholars, UG/PG students from engineering institutions and professionals from Industry & R&D units can attend the course. The participants must be sponsored by their institutions.

ACCOMMODATION

Accommodation can be arranged in hostel/guest house on nominal payment basis subject to the availability. No TA/DA will be paid to the participants. Participants will be selected on first-come-first serve basis up to a maximum of 30.

CONTACT PERSON

Dr. Arun Kumar Pandey (Associate Prof.)

Mechanical Engineering Department
BIET Jhansi (UP) Phone: 8770538640,
9575272128, mail: arun.pandey@bietjhs.ac.in

Dr. Vijay Verma (Assistant Professor)

Mechanical Engineering Department
BIET Jhansi (UP) Phone: 9450135681
Email: vijay@bietjhs.ac.in

ORGANIZING COMMITTEE

Patron

Prof. V. K. Tyagi
Director, BIET, Jhansi

Chairman:

Dr. Tarun Soota (Associate Prof. & Head)
Mechanical Engineering Department

Convener

Prof. Sanjay Agarwal (Professor)
Mechanical Engineering Department

Convener

Dr. Arun Kumar Pandey (Associate Prof.)
Mechanical Engineering Department,

Co-Convener

Dr. Vijay Verma (Assistant Prof.)
Mechanical Engineering Department,

ADVISORY COMMITTEE

Prof. V. K. Jain, MANIT Bhopal
Prof. J. Ram Kumar, IIT Kanpur
Prof. S. K. Jha, IIT BHU, Varanasi
Prof. P. M. Pandey, IIT Delhi
Prof. K.N. Pandey, MNNIT, Allahabad.
Prof. A. K. Dubey, MNNIT, Allahabad.
Dr. Sanjay Soni, MANIT, Bhopal.
Dr. D.K. Shukla, MNNIT, Allahabad.
Dr. Ravindra Rana, MANIT, Bhopal.
Dr. Vishal Parashar, MANIT, Bhopal
Dr. B. N. Upadhyay, RRCAT Indore
Er. H. K. Singh, ISRO, Trivendrum
Prof. M.K. Gupta, BIET, Jhansi
Prof. A. K. Solanki, BIET, Jhansi.
Prof. A. K. Nigam, BIET, Jhansi
Prof. D. K. . Srivastava, BIET, Jhansi.
Dr. Ajay D. Hiwarkar, BIET, Jhansi.

**World Bank (TEQIP-III) Assisted
Short Term Course
On
"Recent Advances and Industrial
Applications of Advanced Machining
Processes" (RAIAMP-2019)"**

From

March 26-30, 2019

Convener

Prof. Sanjay Agarwal
Convener

Dr. Arun Kumar Pandey

Co-Convener

Dr. 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.

INTRODUCTION

Rapid technological advancement after Second World War has led to the development of

ultrahard, high-strength, high-temperature-resistant, difficult-to-machine materials for their increasing demand in technological advanced industries like aerospace, automotive, marine, power plants, missile, and turbine industries. Producing complicated geometries, least metallurgical transformations, and maintaining high dimensional accuracy in products made of such materials become extremely difficult with the conventional machining processes which necessitate the development of newer concepts in machining science.

COURSE OBJECTIVE

The objective of this short term course is to enrich the knowledge of participants in the emerging areas of advanced machining and their recent industrial applications and to make participant aware of advancements occurring in this field. Furthermore, participants will be able to apply these concepts in their research work and they can add it into their course curriculum.

COURSE CONTENTS

- Advanced Machining Processes
- Electrical Discharge machining
- Electro Chemical machining
- Laser beam machining
- Ultrasonic machining
- Water jet machining
- Hybrid and Assisted Machining Processes
- Micro and nano machining Processes
- Processing of Advanced Materials
- Modelling of Machining Processes
- Process parameters Optimization

World Bank (TEQIP-III) Assisted Short Term Course On "Recent Advances in Industrial Applications of Advanced Machining Processes" (RAIAMP-2019)" From March 26-30, 2019

Registration Form

Name:.....
Gender (Male/Female):.....
Category:
Religion:.....
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 RAIAMP-2019.

Date:

Signature
Head of the Department/ Institute