

TEQIP-II Sponsored

Faculty Development Programme

on

Advances in Thermal  
Science and Engineering

(ATSE-2016)

October 17-21, 2016

Chair Person/Co-ordinator

Dr. N. P. Yadav



Organized by:

Department of Mechanical Engineering  
Bundelkhand Institute of Engineering  
& Technology, Jhansi (U.P.)-284128

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Director, B.I.E.T. Jhansi

Chair Person/Co-ordinator: Dr. N. P. Yadav

Head, MED, BIET, Jhansi

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Dr. Yashpal Singh, Head, CS

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#### Important Dates:

Receipt of application forms: 15-10-2016

Intimation about selection: 16-10-2016

### REGISTRATION FORM

Advances in Thermal Science and  
Engineering

(ATSE-2016)

[October 17-21, 2016]

Name: -----

Academic qualification: -----

Designation: -----

Institution: -----

Address: -----

E-mail: -----

Phone No: -----

Mobile Nos: -----

Area of specialization: -----

Accommodation needed: **Yes / No**

Signature of the applicant

Recommendation

(Signature and seal of Head of the  
Institution/Head of the Department)

## About the Institution

Bundelkhand Institute of Engineering & Technology Jhansi (BIET Jhansi) is one of the premier institutions imparting technical education established by Government of Uttar Pradesh. It is an Autonomous Institute (Granted by UGC). The BIET Jhansi has completed its 25 year of existence and celebrated the silver jubilee in the year 2011. During previous years, BIET has consistently focused on designing, practice oriented learning and contemporary industry-based curriculum. The institute continuously focuses to achieve the excellence in technical education, good quality research, community and consultancy services. The numbers of projects in the institute are supported by World Bank under TEQIP. The institute always attracts the finest faculty and the best of students for its Bachelor's, Master's and Doctoral's programs. B.I.E.T. has a rich tradition of pursuing excellence and continually re-invented itself in terms of academic programs and research infrastructure.

## 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., M.Tech. (Thermal Engg. and Manufacturing Science & Tech.) and Ph.D Programme with wide choice of specializations. The department has modern lab with specific research equipments purchase under TEQIP-II grant i.e. Hot Wire Anemometer, Temperature and Pressure sensors with high accuracy and response time with DAQ card. LabView for virtual instrumentation, Wire EDM, ZNC EDM, Computerized Hardness test, Wear test, Microscope etc. Department has well modern Virtual Class Room equipped with lecture recording and video conferencing systems. These facilities exposed to students for challenging research based academics. However department also encourage the students to sport, cultural and organizational activities on its vibrant campus.

## Introduction

In order to meet challenges due to globalization of economy and trade, and to meet increasing demand of energy, India is emerging as one of the major energy utilization and source focus. There are substantial

demands from industry and research organization for thermal specialized engineers and researchers, capable to meet out the future challenges of energy. Further, energy is need of all human being and the wealth of every country is access by the utilization of energy. Therefore, the advances in thermal science and engineering are required to meet out the needs of future sustainable energy, because day by day the sources of conventional energy resources are diminishing and demand is expected to rise sharply.

## Objective

The main objective of the programme is to focus on various advances in different fields of thermal science and engineering and how to meet out the need as well as future challenge of energy. The eminent personalities of various fields of Thermal science and technology will come at one platform to discuss the various aspects of energy during this programme. They have done a lot of contribution in their respective fields of energy in the world. In their presence, we want to focus the recent development in the same field and their opinion to how to meet out the future requirements of the sustainable energy in different areas. This programme is also beneficial to our faculty members to share their opinions among the various researchers and industries people. The research scholars of the Department/Institute will be beneficial to the opinion of various researchers in their respective research field. Therefore, our faculties, research scholars as well as other participants of various institutes, industries and research fields become beneficial to this programme.

## The major topics of the programme are:

- Combined heat and power; advanced cycles, Heat exchangers, Heat pipes
- Combustion of fuel, Alternate fuels, Internal Combustion Engines ;
- Gas Turbine combustion, jet engine and other space engine.
- Thermal measurement techniques and data processing
- Computational methods in thermal engineering; CFD of combustion; Application of optimization techniques
- Advanced Refrigeration and Air Conditioning
- Energy conservation and energy management,

- Renewable and Non-conventional Energy Sources; Solar Energy Systems; Cryogenics;
- Design and operation of power engineering equipment
- Thermal aspects of material and manufacturing process
- Environment aspects of energy, Pollution control and other interdisciplinary aspects of energy

## Lodging

Limited rooms are available in the Institute Guest House and accommodation may be arranged with prior information. In case of non availability of rooms in guest house, candidate will have to make his own arrangements

## Venue

Virtual Class Room, Department of Mechanical Engineering, B.I.E.T Jhansi

## Eligibility

Faculty members, Ph.D. Research scholars, PG students from AICTE recognized academic institutions/university and field engineers possessing minimum qualification Bachelors degree in engineering. Candidates pursuing their research in relevant area are also eligible to apply.

## Registration

The participating faculty members from non-TEQIP-II Institution, Industries and Research scholar (PG & Ph.D. Research) need to send a non-refundable deposit of **Rs 500/-** in favor of "Co-ordinator, ATSE-2016". Registration fee is exempted to few PG students of our institute.

## Address for correspondence

### Dr. N. P. Yadav

Chair Person/Co-ordinator, ASTE-2016  
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