

TEQIP-III Sponsored

Short Term Course

on

Evolution in the Field of Sustainable Energy Sciences & Technologies

(EFSEST-2019)

September 24-28, 2019

Convener

Prof. N. P. Yadav



Organized by:

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

ORGANIZING COMMITTEE

Patron: Prof. V. K. Tyagi
Director, B.I.E.T. Jhansi

Convener: Prof. N. P. Yadav
MED, BIET, Jhansi

Co-Convener: Er. I. N. Kumar, MED, BIET, Jhansi
Er. Anurag Tripathi, MED, BIET, Jhansi
Er. Kuldeep Singh, MED, BIET, Jhansi

Local Advisory Committee

Dr. T. Soota, Head, MED, BIET, Jhansi
Dr. A. K. Padap, MED, BIET, Jhansi
Dr. Narendra Kumar, MED, BIET, Jhansi
Dr. A. K. Suryavanshi, MED, BIET, Jhansi
Dr. S. K. Rajput, MED, BIET, Jhansi

Technical Advisory Committee

Prof. R. Yadav, Former Principal, NIT, Jamshedpur
Prof. A. Kushari, AE, IIT, Kanpur
Prof. H.K. Paliwal, Director, IET, Lucknow
Prof. S. K. Agarwal, Former Professor, MNNIT, Allahabad
Prof. J. P. Yadav, Dean, BSBRAEC Engg. & Tech., Etawa
Prof. Sanjay Yadav, MED, NIT, Jamshedpur
Prof. B. N. Rai, CH, IIT (BHU), Varanasi
Prof. R.S. Singh, CH, IIT (BHU), Varanasi
Prof. P. Ghosh, MED, IIT (BHU), Varanasi
Prof. S. K. Sinha, MED, IET, Lucknow
Dr. Pradeep Singh, MED, IIT, Mandi
Dr. Atul Dhar, MED, IIT, Mandi
Dr. Ajay Vikram Singh, AE, IIT, Kanpur
Dr. N. K. Singh, MED, NIT, Kurukshetra, Haryana
Dr. A. Yadav, MED, NIT, Kurukshetra, Haryana
Dr. Rahul Dev, MED, MNNIT, Allahabad
Dr. S. K. Singh, BCT KE College, Dwarhat, Uttarakhand

Institute Advisory Committee

Prof. M.K. Gupta, Head, AS & MBA
Prof. A K Solanki, Head, CS & IT
Prof. A K Nigam, Coordinator, TEQIP- III & Head, CE
Prof. D.K. Srivastava, Head, EC & EE
Dr. Ajay Hiwarkar, Head, CH

Important Dates:

Receipt of application forms: 22-9-2019

Intimation about selection: 23-10-2016

REGISTRATION FORM

Evolution in the Field of Sustainable Energy
Science & Technologies
(EFSEST-2019)

[September 24-28, 2019]

Under the Auspices of Word Bank TEQIP-III

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 32 years of existence. BIET has consistently focused on designing, practice oriented learning and existing industry-based curriculum. The institute continuously focuses to accomplish the excellence in technical education, good quality research, district and consultancy services. The numbers of projects in the institute are supported by World Bank under TEQIP and DDUQIP programme of AKTU, Lucknow. 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 establish and foremost department in provisions 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 extensive option of specializations. The department has modern lab with specific research equipments purchase under TEQIP-II&III grant i.e. Hot Wire Anemometer, Temperature and Pressure sensors with high accuracy and response time with DAQ card. LabView for virtual instrumentation 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 energetic campus.

Introduction

In order to congregate the challenges of increasing demand of energy due to globalize of economy and trade, India is promising as one of the major energy utilization and source focus. There are extensive

demands from industry and research organization for sustainable energy sciences and technologies specialized engineers and researchers, proficient to meet out the future challenges of energy. Further, energy is need of all soul being and the prosperity of every country is access by the utilization of energy. Therefore, the evolution in the field of sustainable energy sciences and technologies are required to meet out the needs of upcoming sustainable energy, because day by day the sources of conventional energy resources are retreating and demand of energy is expected to ascend penetratingly.

Objective

The focal objective of the programme is to spotlight on various progresses in different fields of sustainable energy sciences and technologies and how to congregate out the need as well as future challenge of sustainable energy. The prominent personalities of various fields of energy science and technology will come at one platform to discuss the various aspects of sustainable energy during this programme. They have done a lot of contribution in their respective fields of sustainable energy in the world. In their presence, we want to focus the advancement 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 encouraging to our faculty members to share their views among the researchers and industries people. The research scholars of the Department/Institute will be valuable to the opinion of various researchers in their respective research field. Therefore, our faculty members, research scholars, students as well as other participants of various institutes, industries and research fields become beneficial to this programme.

The major topics of the programme are:

- Combustion of fuels, Alternate fuels, Internal Combustion Engines ;
- Coal and Biomass combustion/Gasification
- Gas Turbine combustion, jet engine and other space engine.
- Combined heat and power; advanced power cycles, Heat exchangers, Heat pipes
- Computational methods in thermal engineering; CFD of combustion; Application of optimization techniques
- Advanced Refrigeration and Air Conditioning

- Sustainable energy measurement techniques and data processing
- Design and operation of sustainable power engineering equipment
- Sustainable energy characteristic of material and manufacturing process
- New concepts in energy conservation and energy management,
- Renewable and non-conventional sustainable energy sources; solar energy systems
- Sustainable Transportation and Environmental Issues
- Energy and Environmental sustainability, 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-III Institution, Industries and Research scholar (PG & Ph.D. Research) are exempted to registration fee. Few PG students of our institute are considered to participate exclusive of registration fee.

Address for correspondence

Prof. N. P. Yadav

Convener, EFSEST-2019

Department of Mechanical Engineering

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

Mobile:9415684455

E-mail: npyadava@gmail.com

URL: www.bietjhs.ac.in