

TEQIP-III, NIT PATNA

Sponsored Short Term Course on

**“Renewable Energy and
Applications -2018”**

(REA-2018)

19-23 December, 2018

Registration Form

1. Name of applicant (in Block Letters): Dr. / Ms. /Mr.

2. Educational Qualification:

3. Designation:

4. Name of the Institution/industry:

5. Address for communication:

6. E- mail:

7. Phone/Mobile:

8. NIFT/RTGS .:

Date:

Bank Name:

Amount (Rs.):

Date:

Signature

Organizing Committee

Patron Prof. P. K. Jain
Director, NIT Patna

Chairman Prof. Om Prakash

**Organizing
Secretary** Dr. Vimal K E K

Coordinators Dr. A K Das
Dr. A. Karpagaraj
Dr. Rahul Goyal

**Advisory
Committee** Prof. N.R. Lal
Prof. A N Sinha

Associate Prof. S.S.
Prasad

Associate Prof. A.K.
Shahni

**Organizing
Committee** Mr. Rajnish Kumar
Mr. Saif Nawaz Ahmad
Mr. Saurabh Singh
Mr. Avinash Kumar
Mr. Sujeet Kumar

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Patron

Prof. P. K. Jain
Director, NIT Patna

Chairman

Prof. Om Prakash
Professor, Mechanical Engineering

Organized by

Department of Mechanical Engineering
National Institute of Technology Patna
Ashok Rajpath-800005, Patna

About the REA- 2018

The aim of the present program is to introduce the recent developments and applications of REA. This program is conducted in NIT Patna. The program is an interdisciplinary one and is open for all engineering faculty members, research scholars and industry personnel. Program may lead to active collaboration between participants and resource persons in these areas.

This interactive workshop provides review and reinforcement of relevant thermodynamic concepts as applied to renewable energy, and introduces performance calculation methods. The workshop emphasizes fundamentals which will be helpful for the practicing engineer but is not designed to review industrial practices which are usually proprietary. The acquired knowledge, including the review of illustrative examples, will enhance the participants' ability to excel in various assignments in wind energy, solar energy, biodiesel, development, education, and application. After completing the course the participants should be able to apply thermodynamic concepts to the analysis of renewable resource; analyze cycle analysis problems on integrating the component performances to get the overall biodiesel engine performance. The illustrative examples on the integration of the component performances to obtain the overall performance will facilitate comprehension of solar/wind/biomass matching; accounting for renewable; the method of sizing components at the design point.

Resource Persons

Lectures will be delivered by the expert faculty members from IITs, NITs and other reputed institutes.

Eligibility Criteria

Participation in this STC is open to all the students, research scholars and faculty members of science and Engineering streams. It is also open to all the Engineers who are working in the R&D organizations, industries and who wish to get a basic understanding of the concepts involved and research.

About the Institute

National Institute of Technology Patna is the 18th National Institute of Technology created by the Ministry of Human Resource Development, Govt. of India after rechristening the erstwhile Bihar College of Engineering, Patna. The Institute has highly qualified faculty of higher caliber in various disciplines. Institute offers B.Tech, M.Tech & Ph .D programmes in respective field of Engineering, Sciences and Technology with well-equipped laboratories. The institute is situated on the south bank of holy river Ganges behind Gandhi Ghat, one of the most important and reverential place of Patna. The Gandhi Ghat is associated with the immersion of ashes of father of the Nation Mahatma Gandhi in the river Ganges. The campus has a picturesque river view with historic heritage building presenting a spectacle of architectural delight and natural beauty. The Institute campus is 8 km from the Patna Junction railway station and 15 km from the Jai Prakash Narayan International Airport Patna.

About the Department

The Department of Mechanical Engineering initially started with B.Tech. Program in Mechanical Engineering started with intake of

20, which has now become 90. Presently, the department is also having Dual Degree (PG + PhD) and PhD programmes with total of 36 students.

Accommodation

Accommodation should be arranged by participants on his own.

Registration Fee Details

Category	Fee
Faculty/ Researchers	Rs. 1500
Research Scholars/Students	Rs. 500
Industrialists and R&D Institutions	Rs. 2000

The Amount can be paid through NEFT / RTGS / UPI in

Account Name **NIT Patna C F Account**
Account No. **50433562364**
IFSC Code **ALLA0212286**

Last date for completing the registration is 17 December 2018.

How to Register

Complete the form by going on the link below or by scanning the QR code



<https://goo.gl/forms/JSF9QVTpgCXfAlv72>

Please bring ID proof at physical reporting. For any queries, please contact:

Dr. Vimal K E K / Dr. A. Karpagaraj / Dr. Rahul Goyal

**Email : agrainish@gmail.com,
vimalkek@nitp.ac.in**

Mobile : 8015772696, 8171012572