SHORT TERM COURSE
ON
CLEAN ENERGY SYSTEM AND TECHNOLOGY

7-11 December, 2015

Organized by
Department of Electronics and Communication Engineering
National Institute of Technology Goa
Farmagudi, Ponda, Goa- 403401

Course details

Energy consumption per capita decides the quality of living in any country. In modern era there is an ever expanding demand for energy requirements with the major source of energy fulfillment i.e. the fossil fuels depleting with exponential rate. It is predicted that the natural fossil fuel stock will last for not more than next 50 years. More over the environmental concerns also questions the credibility of our dependence on these fossil fuels. In this scenario, the whole world is looking towards the clean and green energy resources of Mother Nature with great expectations. Enormous amount of research and development activities have gone into this field in developing a more efficient, economically viable and environment friendly energy system.

The proposed course is designed to bring in awareness amongst the academic/industry researchers towards the need and importance of clean energy sources and systems. The recent advances in the various segment of this evolving field are included. Special emphasis has been given to keep a balance in the selected topics ranging from efficient generation to storage and distribution of clean energy.

Selected topics in the course would include,

Introduction to clean and green energy sources
Application of Nanoscience and Nanotechnology in clean energy systems
Nano thermoelectric system and technology
Smart grid and efficient energy distribution system
Schemes for efficient energy storage
Energy efficient system & technology design

Faculties from reputed institutions like IITs, NITs and Tata Energy Research Institute (TERI) will be part of the workshop as speakers. The course is specially designed for graduate students, young researchers, faculty members and Industry professional interested/working in this domain.

About NIT Goa

The National Institute of Technology Goa (NIT Goa) is a premier technical Institute of the region. NIT Goa was established in the year 2010 by an act of parliament (NIT act 2007) and it is declared as "Institute of National Importance". NIT Goa is an autonomous institute and functioning under the aegis of Ministry of human Resource Development (MHRD), Govt. of India. The campus is located at Farmagudi, Ponda approximately 29 km southeast of Panaji, the capital of Goa and it is a temporary campus. The Institute offers under Graduate and Post Graduate courses in three Engineering Departments: (1) Computer Science and Engineering (2) Electronics and Communication Engineering and (3) Electrical and Electronics Engineering. The Institute also offers Ph.D. in all the three above mentioned engineering departments. NIT Goa started its M.Tech courses in CSE, VLSI, and Power Electronics and Power Systems from year 2014. NIT Goa attracts students from all over the country and abroad.

The Institute admits students into the B.Tech. Degree program on the basis of ranks obtained in the Joint Entrance Examination JEE (Main) and the scheme of Direct Admission to Students Abroad (DASA) with an intake of 30 students in each branch. The institute is sincerely attempting to deliver quality education and to achieve excellence in teaching, learning and research with high professional ethics.

Organizing Committee

Patron

Prof. G R C Reddy
Director, NIT Goa

Coordinators

Dr. Ankit Dubey   - +91-8130986141
Dr. Lalat Indu Giri   - +91-9673408877

Faculty members

Dr. Lalit K Jiwani
Dr. Vasantha M.H, HoD
Dr. T. Veerakumar
Dr. Anirban Chatterjee
Dr. Nithin Kumar Y.B.
Dr. Badri Narayan Subudhi
Dr. Trilochan Panigrahi
Dr. Shivnarayan Patidar
Dr. Prashanth G.R
Dr. Amol D. Rahulkar

Registration fees

Academic Faculty	: Rs. 5,000/-,
Students	: Rs. 2,000/-
NGO Executives/ Private Practitioners	: Rs. 4,000/-
Industry Participants	: Rs. 10,000/-
Foreign Participants	: Rs.15, 000/-

The registration fee includes course material, high tea, snacks, breakfast and working lunch for all the days.

How to apply

Interested participants should download and submit the complete application form in a prescribed format given below which is available online, and send it at coordinator's mailing address. The applicable registration fee should also accompany the application in the form of a demand draft in favour of "Director NIT Goa" payable at Goa.

Mailing address

Dr. Lalat Indu Giri
Assistant Professor
Coordinator,
STC on Clean Energy System and Technology
Dept. of Electronics and CommunicationEngineering
National Institute of Technology Goa,
Farmagudi, Ponda, Goa- 403401
Cell: **9673408877**
Email: lig@nitgoa.ac.in

Accommodation

Participants have to arrange for their own lodging and boarding facility. December being a peak tourist season in Goa, the participants are advised to look for their accommodations in advance. The Coordinators may be contacted for any assistance. Suitable accommodation can also be booked from the following websites.

http://goa-tourism.com/

How to Reach

NIT Goa Campus is located at Farmagudi, Ponda, Goa. Farmagudi is located on a plateau 3 km from the main Ponda City on the way towards Panaji. Ponda city lies about 28 km south-east of Panaji and 17 km north-east of Madgaon and is also the capital of Ponda Taluka. Ponda is well connected by road to the Panaji (Capital of Goa) and main railway junction of Madgaon.

Goa's sole airport, the "Dabolim Airport" in Vasco, caters to domestic and international airlines that stop en route to other Indian destinations. It is at a distance of around 30 Km (45 Minute ride) from the institute.

Goa has two rail lines-one run by the South Western Railway and the other by the Konkan Railway. Closest major railway station is "Madgaon Railway Station" which is around 20 Km (30 Minute ride) from the institute.

Important Dates

Last date for receiving application: 30 November, 2015
Intimation to Participants: 2 December, 2015
Course Dates: 7-11 December, 2015

APPLICATION FORM

SHORT TERM COURSE ON
CLEAN ENERGY SYSTEM AND TECHNOLOGY

7-11 December, 2015

1. Name:
2. Age:
3. Gender:
4. Designation:
5. Name of the Institution /Organization:
6. Address for communication:
7. Highest academic qualification:
8. Phone No (Cell):
9. Email:
10. Accommodation required:
11. Draft Details:

   Amount: _____, DD No._____,
   Date of Issue: _____, Issuing Bank:_____.

Date: Signature of Applicant

Approval for Candidates/Sponsorship

We approve the above applicant as a candidate/sponsor for the short-term course on "Clean Energy System and technology" being organized by Dept. of ECE, NIT Goa, Farmagudi, Ponda, Goa from 7-11 December, 2015.

Date: Signature and Seal of
                                              Approving/Sponsoring Authority