Declaration by the Candidate

The information furnished is true to the best of my knowledge. I agree to abide by the rules and regulations governing the programme. If selected, I shall attend the programme for the entire duration.

Signature of the applicant with date

Sponsorship Certificate

Certified that Mr./Mrs./Dr. ..............................................
......................................................... is an employee of our Institution and is hereby sponsored for the AICTE FDP on "SMART GRID AND CLEAN ENERGY TECHNOLOGIES" at Pondicherry Engineering College, Puducherry during 11 to 22 December, 2017. He/She will be permitted to attend the programme fully, if selected.

Place : Signature of the sponsoring authority and seal
Date :

Address for Correspondence

Dr. C. Christober Asir Rajan
Coordinator, SG CET - 2017
Department of EEE
Pondicherry Engineering College
Puducherry - 605 014
E-mail : asir_70@pec.edu
Phone No : 0413 - 2655281, Ext : 511
Mobile : 94437 13846
Fax : 0413-2655101
Website : www.pec.edu

Pondicherry Engineering College

Pondicherry Engineering College (PEC) is promoted and fully funded by Government of the Union Territory of Puducherry. The College was started in the academic year 1985-86 under the Seventh Plan. Since its inception, the College has registered tremendous progress. Currently the college offers eight undergraduate and eleven post-graduate programmes besides Ph.D. Programmes in various branches of engineering. With this remarkable growth, the college in 2010 was celebrating its silver jubilee year. The college is spread over 210 acres has excellent infrastructure, well equipped laboratories and highly qualified faculty members. The college is undertaking various sponsored research projects and has signed several MOUs with well-known foreign Universities. The college campus is situated at Pillalchavady which is about 12 km from the railway station and bus-stand of Puducherry town. It is about 150 km south of Chennai on the Shores of Bay of Bengal. The lush green campus of great scenic beauty and picturesque environment from an excellent setting for the pursuit of studies in engineering, science and technology.

Department of EEE

The Department of Electrical and Electronics Engineering has a team of highly qualified, dedicated and motivated faculty and technical staff. The department is equipped with state-of-art laboratories housing advanced and sophisticated facilities to promote study and research in the upcoming areas. The department offers B.Tech.(EEE), M.Tech.(Electrical Drives and Control) and Ph.D. programmes in almost all areas of Electrical and Electronics Engineering. The Department has excellent infrastructure, computing facilities, library with several volumes of books, well equipped laboratories and equipment's that enable students to develop their practical skills.

Puducherry

The coastal town of Puducherry with the French ambience is known for the serene atmosphere. Sri Aurobindo Ashram and the nearby Auroville International Township, French cultured Basilica Church lend a unique spiritual flavor to the city. Sri Manukula Vinayagar Temple, Ousteri lake, Chunnambart Boat House, etc., are some of the major tourist attractions in and around Puducherry.
Preamble
The smart grid’s effectiveness depends on consumer engagement and action, and the emerging field of social computing will be the centre to its success. Social computing has to do with systems that are, well, social, such as online communities and social networking sites. Whether people post status updates, upload photos or “friend” others, social interactions leave traces – data, judgments, connections. These traces are useful long after the interaction is over and, when fed back into digital systems, can complement those systems and enable solutions that are richer and more resilient. Over the next decade social computing will infiltrate and enhance many digital systems, and the smart grid is of no exception. Let’s look at three ways social computing approaches can advance the smart grid.

Clean Energy Technologies focus on energy efficiency and environmentally sustainable technologies. World needs a clean energy revolution in order to break dependence on fossil fuels. Such a revolution would enhance global energy security, promote enduring economic growth and tackle environmental challenges such as climate change. It would break the long-standing link between economic growth and carbon dioxide (CO₂) emissions. But to succeed, it must also be truly global in scope. Coal has met 47% of the global new electricity demand since the turn of the century, eclipsing clean energy efforts made over the same period of time, which include improved implementation of energy efficiency measures and rapid growth in the use of renewable energy sources.

Topics to be Covered
- Smart Grid Technologies
- Smart Grid Architectures and Standards
- Smart Sensors and Advanced Metering Infrastructure
- Smart Grid operation, Control & Protection
- Smart Grid Integration with RES
- Smart Grid Challenges
- Computational Intelligence to Smart Grid Applications
- Bio Mass and Bio Fuel
- Fuel Cell Technology
- Geothermal Energy
- Hydraulic Energy
- Solar Energy Technology
- Wind Energy Conversion Systems
- Electric Vehicle and Vehicle to Grid

Eligibility
The faculty members of AICTE approved institutions and industry professionals are eligible to attend the FDP. The minimum number of seats is limited to 50. Engineers from industry have to pay a course fee of ₹10000/- in the form of DD in favour of “The Principal, Pondicherry Engineering College” payable at Puducherry and they must meet the TA and DA from their own organizations.

Registration Fee
The applicants can submit their duly filled-in registration form in the format. All the selected candidates should pay the registration fee of ₹1000/- (refundable) in the form of Cheque/Demand Draft drawn in favour of “The Principal, Pondicherry Engineering College”, payable at Puducherry. Registration form can be downloaded from the institute website (www.pec.edu). Selected candidates will be informed through E-mail and college website. Participants are eligible for III Tier A/C Train fare. The TA will be refunded on submission of the actual train / bus tickets. Free boarding and lodging will be arranged for outstation participants on request.

Important Dates
Last date for receipt of application : 2/11/2017
Date of selection intimation : 29/11/2017

REGISTRATION FORM

AICTE Sponsored
Faculty Development Programme
on
SMART GRID AND CLEAN ENERGY TECHNOLOGIES
(SGCET-2017)
December 11 – 22, 2017

Name :
Designation :
Department :
Institution :
Qualification :
Gender :
Date of Birth :
Experience :
                        Teaching : Industry :
Institution :
E-Mail ID :
Is the Institution approved by AICTE : Yes / No
Mailing Address :

Telephone :
                Office :
Mobile Number :
DD No :
Date :
Amount :
Bank :
Need Accommodation : Yes/No