Brochure/Flyer
AICTE Training and Learning (ATAL) Academy
Online Faculty Development Program during 23-27 November, 2020
On
Renewable Energy Sources: Challenges, Opportunities and Applications

About the Institution
The National Institute of Technology Agartala is an Institute of National importance and fully funded by Government of India (GoI). The Institute offers UG, PG and PhD courses in diversified fields of engineering, science and management along with Post-Doctoral Fellowships. The Institute is committed to develop technical manpower with thorough pursuit of excellence in research, consultancy and skill development.

About the Department
The Department of Electrical Engineering is established in 1965 under the aegis of Tripura Engineering College (TEC), a state engineering college of Tripura, which is upgraded as National Institute of Technology on 1st April 2006. The department offers a 4 years B.Tech program in “Electrical Engineering” with intake capacity of 90. The department offers 2 years M.Tech programs in four specializations namely Power System Engineering, Power Electronics & Drives, Instrumentation Engineering, and Integrated Energy Systems. The department is actively involved in research and also running PhD programs in all fields of electrical engineering. The research interests of the faculty members include a wide range of sub-disciplines of Electrical Engineering. The research activity of the department includes fundamental research, sponsored and consultancy projects and is carried out with the active participation of the students, faculty, and research staff.

About the Program
The primary objectives of the FDP are to enable the participants to:
- Identify the different challenges of grid integration of PV solar power and wind power systems.
- Understand the techniques adopted to alleviate these negative impacts.
- Develop the knowledge of various smart inverter functions.
- Learn from the emerging challenges and operating experience of utilities in implementing smart inverter technologies.
- AI based methods for forecasting of renewable energy such as solar and wind.
- Realize the need for further research and development in this rapidly growing area of renewables integration.

This course will be interactive in nature, encouraging the participants to share experiences and ask questions.

Speakers
The speakers for this FDP will be from IITs, reputed foreign Universities, NITs and industries.

Eligibility
FDP is open to faculty members, researchers, industry personnel, and students working in the relevant area.

Patron
Prof. (Dr.) H.K. Sharma
Director, NIT Agartala

Course Coordinators
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