IIT Bombay – RENXSOL
CONTINUING EDUCATION PROGRAMME (CEP), IIT BOMBAY.

Two days open course on
Fundamentals and Applications of Renewable Energy Systems

Date: 03-04 MAY 2019

ABOUT THE COURSE
Renewable sources of energy are expected to play a key role in meeting the growing energy demands in a sustainable and clean manner (to curb climate change). Renewables are known to be volatile, hence it is important to understand the modeling and integration of these systems. The course is aimed at providing the knowledge required to plan, integrate, and develop renewable systems.

ABOUT RENXSOL
RenXSol is a leading solar company based out of Bangalore, led by industry veterans with extensive experience in designing and executing Solar PV and Thermal Systems. RenXSol will partner with IIT Bombay to disseminate fundamental and applied knowledge of renewable energy systems.

TOPICS COVERED IN TWO DAYS
DAY –1 (Session 1: Engineering aspects of energy systems)
Fundamentals and theory of renewable energy systems
• Basics of fluid mechanics and heat transfer
• Solar thermal systems
• Wind energy systems
• Mathematical modeling of these systems

DAY –1 (Session 2: Solar PV)
• Fundamentals of Solar PV
• Solar Resource in INDIA and WORLD
• Types and Effects and Applications of Solar power
• Construction, Components, Load calculations of Non Grid type solar power plant

DAY –2 (Session 3: Solar PV and Thermal)
• Construction, Components, Load calculations of Grid tie Utility solar power plant
• O & M of solar power plants
• Concentrated solar panels
• Applications of Solar Thermal

DAY –2 (Session 4: Case studies and field visit)
• Case study of wind energy, Solar PV & thermal systems.
• Field visit of Solar PV

RESOURCE PERSONS
FROM ACADEMIA AND INDUSTRY

WHO IF THIS FOR:

VENUE
The Karnataka State Cricket Association, M. Chinnaswamy Stadium, Cubbon Road, Bengaluru - 560001.

COURSE FEE WITH LUNCH AND TEA (Inclusive of Service Tax)
UG/PG Students : Rs.5,000/-
Academia / Govt. sector : Rs.7,500/-
Others : Rs.10,000/-

NOTE: COURSE FEE DOES NOT include accommodation and own arrangements have to be made by the attendees.

REGISTRATION
Last date: April 26th, 2019
Registration by the participants should to be done online by visiting https://portal.iitb.ac.in/ceqipapp/courseDetails.jsp?c_id=2073 and using the ‘Login and Register’ link.

A certificate of participation will be awarded to all the participants.

FOR ANY QUERIES PLEASE CONTACT
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