



Webinar Title: WIND ENERGY TECHNOLOGY

Registration Fee (including GST): Rs.400/- per participant

Expert Speaker – Dr. P. KANAGAVEL

Webinar Date: 23rd September 2020 (Wednesday) | Time: 3:00 to 4:00 PM

About Webinar:

In dealing with Climate Change, we are focusing more and more on renewable energy for sustainable development. India has witnessed an exponential growth in renewable energy sector achieving a total installed capacity of 2,588 GW (excluding large hydro) as on December 2019.

Wind Energy is the fastest growing amongst the renewable energy sources and global wind Energy installed capacity has reached over 651 GW. India holds fourth position among the world countries with the installed capacity of 37 GW. India has played an important role in world's wind energy market. India has a strong domestic manufacturing base with high potential for wind energy harnessing. The rapid growth in this sector would require an extensive pool of competent manpower (knowledgeable and skilled) to design, install and maintain the wind energy systems. As wind power is being adapted as the most efficient power generation source that does not cause greenhouse emissions, there is a huge demand for human resource to meet national and international business expansion. As per International Renewable Energy Agency (IRENA) 2019 & Global Wind Energy Council (GWEC) 2019 Report by end of 2018, globally 11 million jobs created in Renewable Energy Sector.

India is now a global manufacturing hub for wind turbines with more than 20 large wind turbine manufacturers with wind turbines capacity ranging from 225 kW to 3000 kW and several small wind turbine manufacturers producing capacity ranging from 300 W to 50 kW. To assure timely evolution of wind industry and to meet India's demands and development of rural areas, human resource development is a matter of immense interest. Wind energy can

serve as a growth engine to bring about development in many underdeveloped areas as most of the wind farms are located in rural areas.

Register to learn:

- Overview of Renewable Energy Systems
- Wind Resource Assessment Techniques
- Wind Energy Conversion
- Wind Turbine Operation
- Wind Turbine Components
- Wind Energy Estimation and Wind farm layout

Speaker Profile:

Dr. P. Kanagavel is a scientist working in National Institute of Wind Energy (NIWE) an autonomous Research and Development institution under Ministry of New and Renewable Energy, Government of India. He has more than 20 years of experience in the field of wind energy. Presently, he is Director & Head of Skill Development and Training Division of NIWE.

Dr. P. Kanagavel successfully organized 32 National and 40 International training programmes as Course Coordinator enabling to train 1399 national from all part of the country and 855 international professionals in wind energy from 98 countries. In his credit, he has papers published in National and International Conferences and Journals. He has delivered more than 300 lectures in various programmes and also offered interviews in TV channels, All India Radio and Newspapers, as a part of wind energy promotion activity which is his prime motivation.

As Associate Editor of PAVAN, a quarterly bilingual Newsletter from NIWE, he has published 56 issues since 2004. He has established Prof. Anna Mani Information Centre, a well-resourced computerized Library of NIWE .Dr. P. Kanagavel has received the following Awards

"50 Most Influential Sustainability Leadership" citation at the "India Sustainability Leadership Summit & Awards" and "Sustainable Maharashtra" held on 26th November 2015 at Mumbai.

"Ariviyal Kalanjiyam (Eminent Scientist) Award 2016" conferred by Mylai Thiruvalluvar Tamizh Sangam (MTS Academy) held on 11th September 2016.

"India Sustainable Leadership Award" conferred in the "India Sustainability Leadership Summit & Awards" held on 23rd November 2016 at Mumbai.

Change Agent for the year 2016 by the LIFE Academy, Sweden.

Excellence in Teaching Award – 2017 conferred by Madras Library Association (MALA) on the occasion of the 125th Anniversary Celebration of Padmashree Dr. S. R. Ranganathan

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