

	<h1>Faculty Development Program</h1>		
<p>Title : Design of Solar PV System using PV SYST Software</p> <p>Date : 2025-04-03 - 2025-04-03</p> <p>Time : 16:00 - 17:30</p> <p>Venue : TT707</p>		<h2>Event Outcome</h2> <p>- Participants will acquire knowledge for designing a solar PV system for a required application based on the tool usage.</p>	
	<p>Resource Person 1 - Details</p> <p>Name : Kalaiselvan N</p> <p>Designation : Assistant Professor Sr. Grade 2, Technology Information Forecasting and Assessment Council</p> <p>University/ Company : VIT, Vellore</p> <p>Address : India, 632014.</p>		
<h2>Resource Person's Profile :</h2> <h3>1. Profile of Kalaiselvan N</h3> <p>Prof. N. Kalaiselvan has completed his Masters in Engineering with Specialization in Solar Energy from College of Engineering, Guindy, Anna University, Chennai. He also completed his Doctorate of Philosophy in the same domain from the same institute under Institute of Energy Studies. He also completed his Post Doctoral Studies from National Institute of Technology, Trichy under Centre for Energy and Environment. He has rich research expertise in the above field for more than 12 years.</p> <p>Designing of Solar PV system requirement for standalone system (individual houses or flats, apartments) will be dealt in detail. The lecture also provides insight in the design and development of Solar PV System when connected to Grid. The above results when the power production is in excess than the requirement and it is mostly applicable for commercial units. The design includes geometrical optimization of the Solar PV modules its orientation with respect to the movement of sun path and its corresponding losses will be covered in depth. Designing of subsystem components including batteries, charge controllers and inverters are also covered in this session. An idea about thermal impact on above sub system components will be discussed</p> <p>Eminent speaker will present with his PV SYST tool and not required by the participants</p>			
<p>Coordinator's: Prof. KALAISELVAN N 20104 - Assistant Professor Sr. Grade 2 - TIFAC Prof. ELANGO VAN D 13070 - Professor Grade 1 - SELECT</p>			