2 Day PVSYST Modelling Workshop

This **2 Day workshop** teaches how to **model PV systems** using Industry standard **PVSYST** Software.

Audience

- Anyone
- PV knowledge helpful but not required.

2 Day Outline

Day-1: 9:15 AM – 5:00 PM	Day-2: 9:15 AM – 5:00 PM
Part A – Basics/Review	**Homogeneous PV Systems Modelling – Part D**
Electrical & PV System Terminology/Concepts	Central Inverter Based System Modelling
PV & Sun Relations	String Inverter Based System Modelling
PV System and Losses	Micro Inverter Based System Modelling
Part B – PVSYST's Reports	**Assorted PV Systems Modelling – Part E**
AC Grid Tied PV System Report	Heterogeneous PV System Modelling
Standalone PV System Report	Single Axis Tracking PV System Modelling
DC Grid Tied PV System Report	Dual Axis Tracking PV System Modelling
Water Pumping System Report	
Part C – Preliminary Design	**Custom Data Files – Part F**
Preliminary PVsyst	Adding Weather/Meteorological Data
10 kW Standalone Design - Hand-on Calculation	Adding PV Module Data
10 kW Standalone Design – PVsyst Sizing	Adding Inverter Data
Miscellaneous	
Near Shade (3D) Modelling	
Orientation, Strings, Array, Shade, MPPT Analysis/Optimization	
Closing	

Workshop Instructor

Dr. Irtaza Syed, PhD, P. Eng., PMP, PVIP, CEA has modeled, simulated, designed, procured, managed, installed, tested and commissioned 100's of Megawatts of renewable energy systems in Canada, USA & Pakistan. Systems include Off-grid, On-grid and Hybrid residential, commercial, institutional and utility scale, ranging from few kW to few MW in size.

Dr. Syed has hand-on experience of the US National Electric, Canadian Electric and Pakistan Electric and Telecommunications Safety Codes. He is teaching these PV courses since 2011 and is very aware of the FIT/Net-Metering rules (Canada / USA / Pak) beside UL/CSA/IEEE/IET standards, LDC/DISCOs and Electrical Safety/Inspection Authorities requirements.

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