

NATIONAL INSTITUTE OF SOLAR ENERGY
E-ITEC TRAINING PROGRAMME ON SOLAR ENERGY TECHNOLOGIES
(**All time in IST)

Day 1: (3 Hours)			
S. No.	Session Title	Time	Session Description
1.1	Inaugural Session	2:00 pm to 2:15 pm	➤ Introduction to the course. And Inauguration.
1.2	Overview of the RE sector in India	2:15 pm to 3:30 pm	<ul style="list-style-type: none"> ➤ Overview of the RE sector in India. ➤ Overview of Solar PV sector in India and abroad. ➤ Overview of various Solar Policies, and key stake holders.
1.3	Introduction to Solar Resource Assessment, and Calibration, and applications.	3:30 pm to 5 pm	<ul style="list-style-type: none"> ➤ Solar Resource, and its applications. ➤ Solar Resource instrumentations and calibrations. ➤ Significance of Solar Resource Data.
➤ Re-Cap and Tutorials			

Day 2: (3 Hours)			
S. No.	Session Title	Time	Session Description
2.1	Introduction to Solar Photovoltaic cell, and System Types	2 pm to 3:15 pm	➤ Physics of Solar Cells, and Cell Characterization.
2.2	Introduction to Solar PV module Technology / Cell Manufacturing	3:30 pm to 5 pm	➤ Manufacturing process in Solar Photovoltaic Cell/module. Challenges and Opportunities.
➤ Re-Cap and Tutorials			

Day 3: (3 Hours)			
S. No.	Session Title	Time	Session Description
3.1	Introduction to Basics of Solar Thermal Technologies	2 pm to 3:15 pm	➤ Solar thermal technology, concepts and systems.
3.2	Application of solar thermal technologies.	3:30 pm to 5 pm	<ul style="list-style-type: none"> ➤ Various applications of solar thermal technologies. ➤ Products developed at NISE.

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Day 4: (3 Hours)			
S. No.	Session Title	Time	Session Description
4.1	Introduction to Solar PV Pumping system, Types and components.	2pm to 3:15 pm	<ul style="list-style-type: none"> ➤ Types and Components in Solar PV Pump. ➤ Overview of KUSUM Scheme.
4.2	Testing Standards in Solar PV modules, Inverters and Batteries	3:30 pm to 5 pm	<ul style="list-style-type: none"> ➤ Testing procedures in PV modules, Batteries and inverters. ➤ Specifications and Standards.
➤ Re-Cap and Tutorials			

Day 5: (3 Hours)			
S. No.	Session Title	Time	Session Description
5.1	Costing Approach in solar projects	2 pm to 3:15 pm	<ul style="list-style-type: none"> ➤ Basics of costing in solar projects. ➤ Calculation of IRR.
5.2	ISA and its activities in Solar Energy sector	3:30 pm to 5:00 pm	<ul style="list-style-type: none"> ➤ Overview of ISA activities.
5.3	Valedictory Conclusion. and	4 pm to 4:30 pm	<ul style="list-style-type: none"> ➤ Feedback. ➤ Online Certificate Distribution