



Programme on Prospects for  
Start-ups in Solar Energy Technologies  
**(Five Day Programme at NISE, Gurugram Campus)**  
Date: 10<sup>th</sup> June (Monday) to 14<sup>th</sup> June (Friday), 2019

In line with the Startup India Initiative by the Govt of India, NISE is organizing the 1<sup>th</sup> **Programme on prospects for Start – Ups in Solar Energy Technologies** at NISE campus Gurugram from **10th June (Monday) to 14th June (Friday), 2019**. The target audience is existing and prospective Solar Entrepreneurs, EPC contractors, Graduate Engineers, MNRE channel partners, Energy department officials of Govt of India, Officers from state nodal Agencies and individuals business men interested in solar field. In the past NISE had conducted **14** similar Programmes which were hugely successful.

**About NISE:** National Institute of Solar Energy (NISE) is an autonomous institute under Ministry of New and Renewable Energy (MNRE), Government of India to facilitate the Research & Development, Testing, Certification, Skill Development activities in the field of Solar Energy Technologies. NISE also supports the ministry in the implementation of prestigious National Solar Mission. The Institute is committed to the development and demonstration of solar energy related technologies and its applications to the common man in the country. NISE continuously strives to improve the facilities so as to compete with the latest technological advancements. NISE is planning to set up a Technology Business Incubation Centre for assisting new Entrepreneurs incubate in Solar Energy Business space.



## Learning Objectives.

- I. Scope and Business Opportunities in Solar Photovoltaic, Solar Thermal and Solar Water Pumping Technologies
- II. Opportunities under Start up India / Stand Up India Policy of Govt of India
- III. Visit to 500 kW Power Plant at NISE (100 kW x 5 different Solar PV Modules)
- IV. Visit to 150 kW Solar roof top Plant at NISE.
- V. Net-Zero Campus Concept at NISE
- VI. Economics of Solar Technologies. Business Models for Funding, etc
- VII. Different types of Companies, Compliance Mechanism with Ministry of Corporate Affairs, GST rules, Tax payments, Tax Breaks, etc.



## Target Audience

Graduate; Graduate Engineers; Existing and Prospective Solar Entrepreneurs; EPC Contractors; MNRE Channel Partners; Energy Department Officials of Govt. of India and Officers from State Nodal Agencies etc.

Training Fee per Participant: **Rs 8,850/- (including of 18% GST- (Rs.7500+Rs.1350))**. There are a total of **40 seats** on first come first serve basis. Lunch, Tea will be provided during the Programme. Accommodation, TA/DA would not be provided by NISE.



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## PROGRAMME SCHEDULE

Venue: Surya Bhawan –Prabhakar Room, NISE Campus

Time	Name of the Session
08:45 – 09:45	Registration
09:45 – 10:00	Welcome Address
10:00 – 10:15	Introduction about the NISE & about the training Course Audio Visual Clip of NISE
10:15 – 11 : 30	Solar Photovoltaic Cells, Modules, Systems and Applications (Overview)
11:30 – 11:45	Tea / Coffee Break
11:45 – 13:00	Solar Photovoltaic Cells, Modules, Systems and Applications (Overview)
13:00 – 14:00	Lunch Break
14:00 – 15:00 15:00 – 15:45	Stand Alone Inverter Grid Connected Inverter  Balance of System Components
15:45 – 16:00	Tea / Coffee Break
16:00 – 17:00	Solar Water Pumping Systems



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Time	Name of the Session
10:00 – 11:30	Solar PV System Design and Overview
11:30 – 11:45	Tea / Coffee Break
11:45 – 13:00	Grid Interconnection and Commissioning test procedure
13:00 – 14:00	Lunch Break
14:00 – 15:45	Audio Visual Clip on Shadow Analysis, AC/DC Safety aspects and Module quality & Safety  Q & A Session
15:45 – 16:00	Tea / Coffee Break
16:00 – 17:00	500 Kw Solar PV Plant Visit within NISE Campus (or) 150kW Roof Top Plant at Surya Bhawan (This is subject to time availability in the eve, light, etc)



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<b>Time</b>	<b>Name of the Session</b>
10:00 – 11:30	Design and Safety Overview
11:30 – 11:45	Tea / Coffee Break
11:45 – 13:00	Project Management and Monitoring Market Trend & Business Model
13:00 – 14:00	Lunch Break
14:00 – 15:00	How to market the product
15:45 – 16:00	Tea / Coffee Break
16:00 – 17:00	File an application against the Loan (Banking Lecture)



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Time	Name of the Session
10:00 – 11:30	Presentation on Startup India
11:30 – 11:45	Tea / Coffee Break
11:45 – 13:00	Power Plant (Cleaning Outsourcing) Presentation on development of Business Model for Start-Up Solar Companies
13:00 – 14:00	Lunch Break
14:00 – 15:45	Operation & Maintenance, Projects Reports and Policies (State)
15:45 – 16:00	Tea / Coffee Break
16:00 – 17:00	Practical Experience Sharing on Journey of Solar Business

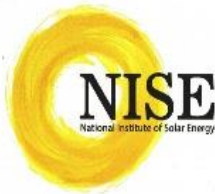


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**Venue: Surya Bhawan –Prabhakar Room, NISE Campus**

Time	Name of the Session
10:00 – 11:30	How to Start a Company, different types of companies, Compliance Mechanism with Ministry of Corporate Affairs, Service tax Rules, Tax payments, Tax Breaks, etc.
11:30 – 11:45	Tea / Coffee Break
11:45 – 13:00	Top 10 Trends in Renewable Energy Sector and Review of Select International and National RE startups
13:00 – 14:00	Lunch Break
14:00 – 15:00	Opportunities on Resource Efficiency in MSMEs
15:00 – 15:45	Opportunities for Entrepreneurs in Solar Sector
15:45 – 16:00	Tea / Coffee Break
16:00 – 17:00	Certificate Distribution



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## Information submission Form

Kindly provide the following details:

1. Name of the Delegate :
2. Age (as on date, must be given) :
3. Designation (if applicable) :
4. Organization (if applicable) :
5. Address :
6. Mobile No. (must be given) :
7. Telephone No. (if any) :
8. E-mail ID (must be given) :
9. Programme Fee (per participant) : Rs 8,850/- (inclusive of 18% GST)  
(**No Cash deposit**. Payment should be through  
NEFT / RTGS / IMPS / On-line only)

**Deposit of Cash into our account is strictly NOT allowed. If you deposit cash, NISE shall neither refund the same nor shall admit your Candidature. Payment must be made through NEFT / RTGS / IMPS / On-line Transfer only. The fee will on Non-refundable mode.**

10. Details of payment (must be mentioned) :

(a) NEFT / RTGS / IMPS No / On-line Transfer No:

(b) Bank Name:

(c) Date of Transfer:

**Important Note** : It is mandatory to attach the proof of NEFT/ RTGS / IMPS / On-line Transfer Copy by way of a scanned copy along with this application form through **e-mail ONLY**.



## **Bank Details of NISE :**

Account Holder Name: **National Institute of Solar Energy-Capacity Building**  
Bank Name: **State Bank of India**  
Branch: **State Bank of India – DLF Qutab Enclave, Shop No:109-110, Qutab Plaza Shopping C, Gurugram**  
SB Account No. **37266665652**  
IFSC Code: **SBIN0006604**  
Branch Code: **6604**

## **Contact Information:**

Information Submission forms can be sent through email only ([startups.nise@gmail.com](mailto:startups.nise@gmail.com)). The last date to submit the form is **6<sup>th</sup> June, 2019 (Thursday)**. For any queries please write an e-mail to [startups.nise@gmail.com](mailto:startups.nise@gmail.com) or call to **Ms. Pooja Sharma, Consultant (0124-2853038 /0124-2853039 / 9999725683)** NISE shall respond to your queries on immediate basis. Upon receipt of application and proof of deposit of payment (such as screen shot or electronic receipt of scanned copy of IMPS/NEFT/On-line transfer receipt, etc) by e-mail, NISE shall confirm the seat to individual candidate by return e-mail. The consolidated list of all participants shall be send to all confirmed candidates one or two days in advance by email.

**Accommodation at NISE:** Limited accommodation is available within NISE Campus at its Guest House. Interested participants my send an e-mail request to Shri Deepak Mathur (e-mail: [deepak.mathur@nise.res.in](mailto:deepak.mathur@nise.res.in)) to check the availability and for booking the accommodation. The tariff per day per participant is Rs 600 (inclusive of all applicable taxes, and exclusive of food).

## **How to Reach NISE**

NISE is located in a 200 acres campus on Gurugram-Faridabad Highway. It is appox 10 KM from Guru Dronacharya Metro or Sikanderpur Metro . Radio Taxies (Ola / Uber, etc) / Autos are available from these Metros to NISE and vice versa. When you are coming from Gurugram to NISE, NISE is located on the left side of the Highway. It is just on the Highway. May please see the location on Google maps in advance.

If you are coming from Delhi by Car on Mehrauli– Gurugram Road, after crossing Arjan Garh Metro and crossing Haryana Border take a left turn towards Faridabad at LeMeridien Hotel or at Metro Pillar No. P-14. From this point NISE is located approx at 10 km distance.

If you are planning to come from Faridabad side, NISE is located just 4 km after crossing toll gate on Faridabad-Gurugram Highway. You would find NISE on the right side of the High Way.

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