

ANTRIKSH PHOTONERGY

SMART CONSULTING	: SMART CITY & RENEWABLES
DESIGN	: DESIGN & ENGINEERING, CONSULTANCY, SKILL DEVELOPMENT
BUSINESS	: BUSINESS DEVELOPMENT –TECHNOLOGY, PRODUCT, SERVICE
PROJECT	: PROJECT MANAGEMENT & EPC SERVICES
SOLUTIONS	: IDEATING PRODUCT, PROJECT, SERVICE SOLUTION, START-UP'S

We look towards **Smart Planet** and would like to take any opportunity which gives us pleasure of enriching our environment and making it a better place for living for all generations.

Our collaborative team of **Experienced Professionals** has expertise in rendering solutions for optimum utilization of resources.

ENERGY EFFICIENT CAMPUS

SMART – ENERGY, POWER, CITY, LIGHT, WATER, LIVING

- ENERGY MANAGEMENT, RENEWABLES (SOLAR)
- POWER T&D MANAGEMENT
- GREEN BUILDINGS & INTEGRATED SOLUTIONS
- LIGHTING MANAGEMENT
- WATER MANAGEMENT
- HOME & BUILDING AUTOMATION

NET ENERGY POSITIVE / GREEN BUILDING / SOLAR ROOFTOP

COLLABORATE WITH US : COMMITMENT WITH QUALITY

Our expert's professionals are passionate to make the world beautiful around us. Contact us to collaborate for **Consultancy services, Project execution, Competency enhancement, New Technology introduction, Business Development** or any **idea** worth pursuing together.

Don't hesitate to get in touch with us, even if it's just to find out how we can add value to your life.

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www.photonergy.weebly.com

SKILL DEVELOPMENT : PROFESSIONAL TRAININGS

BE A SOLAR PROFESSIONAL OR ENTREPRENEUR

TRAINING MODULE (APSD_SCO)

SOLAR - COMPREHENSIVE ORIENTATION

Course Goal	: To improve overall sector understanding for Solar professionals responsible for sales, marketing, Project proposal & tendering, engineering, commissioning, O&M.
Participant's	: Anyone working in Solar PV Industry or General awareness on Solar PV
Learning Objective	: Upon completion of this course participants will be able to understand the critical elements of Solar PV, operation of Solar PV project, Solar PV proposal and "do's & don't" for Solar PV.
Program	: The 2 days program begins with participation registration, inaugural session by eminent guest addresses followed by 6 technical sessions one hour each per day. Program concludes with self-assessment test and certification.
Course Duration	: The course is structured for 12 Sessions - 1 Hour each spread over 2 days, 9.30AM-5:30PM, each day with 1Hour lunch break and 2 tea breaks (15' each).
Certification	: by NSEFI (National Solar Energy Federation of India, www.NSEFI.in)
Facilities	: Lunch & High Tea included.
Support	: 1. E4U (Knowledge portal) one year basic membership. 2. Up to 20% discount for next advance courses.
Opportunity	: Networking & interaction with Industry leaders
Technique	: Instructor led interactive, Collaborative Knowledge Sharing using Presentation, Case studies involving group discussion of participants, learning and sharing experiences and best practices. Content is presented as audio-visual presentation in classroom with a print copy to each participant.
Teaching language	: The language of the course is English.
Participation	: Participation for this course is open to all on first come first serve basis, Limited seats offered by prior registration . Participation fee is to be paid in advance for registration.
Fee per person	: Rs. 15,000 (Corporates), Rs. 12,500 (Individuals), Rs. 10,000 (NSEFI Members & Students). Rs. 2,500 Early-bird discount, ends two weeks before the start date of training. Rs. 1,000 Group discount on 3 or more registrations, write to us for any other considerations.
Registration	: Online http://photonergy.weebly.com/e4u.html or Contact NSEFI : Ms. Sumedha Nidhi, +91 11 26215236, sumedhansefi@outlook.com
Further information	: Team – Skill Development (E4U) Antriksh Photonergy, Smart Consulting – Smart City & Renewable Projects RZ-D1/100, FF, St # 5, Mahavir Enclave, New Delhi-110045 +91 9013248005; photonergy@outlook.com ; www.photonergy.weebly.com

TRAINING MODULE (APSD_SCO)

SOLAR - COMPREHENSIVE ORIENTATION

The sessions will cover **most aspects of Solar PV Industry**, refreshing **fundamental understanding** with diverse views and analysis, topics such as:

Day - One

- 1. INAUGURAL SESSION**
 - Views by eminent persona guest speakers
- 2. BASICS OF SOLAR TECHNOLOGY**
 - Understanding various Solar Applications (On-Grid, Off-Grid, Hybrid)
 - Types of Solar Projects (Rooftop, Ground Mounted & Utility Scale)
 - Understanding of Various products used in the Solar
- 3. BASIC UNDERSTANDING OF SOLAR SECTOR**
 - Overview of Solar Sector in India & International
 - Market dynamics
 - MNRE vision, 100 GW by 2022 Policy
 - Role of Nodal Agencies, CERC and SERCs in shaping Solar sector in India
 - Govt. Support to the sector, Subsidies
- 4. BASIC UNDERSTANDING OF POLICIES**
 - Solar Metering in India (FIT, Gross Metering, Net-Metering)
 - Concept of Net-Metering and Understanding the Policy
 - Sale of energy (PPA, Open Access etc.)
 - Best Practices in Solar Policies
 - REC framework
- 5. BASIC UNDERSTANDING OF ELECTRICITY CONSUMPTION**
 - Understanding Power Consumption, Electricity Tariff structure)
 - Electricity Bill Analysis (Residential, Commercial & Industrial)
 - Case study / Tariff structures of few states
- 6. BASICS OF GROUND MOUNT PROJECT DESIGN**
 - Concepts, Solar System options
 - Sizing & Equipment selection
 - Costs variations of different designs

Day – Two

- 7. BASICS OF ROOFTOP PROJECT DESIGN**
 - Defining Solar System
 - Sizing & Equipment selection
 - Costs variations of different designs
- 8. BASICS OF OFF-GRID, MINI GRID DESIGN**
 - Concepts, Solar System options
 - Sizing & Equipment selection
 - Costs variations of different designs
- 9. BASICS OF PROPOSAL BUILDING**
 - Solar System Bill of Material, budget
 - Creating Solar Proposals and making Savings Charts
- 10. BASICS OF SOLAR INVESTMENT**
 - Overview on Making Solar Investment (Public Sector and Private)
 - Evaluating Returns and Risk Matrix
 - Project financing, Debt / Equity, Financial Models
 - Basic Financial Analysis, Understanding & Calculating ROIs
- 11. BASICS OF LEGAL AND CONTRACTS**
 - Understanding laws
 - Terms of contracts in PPA
 - Terms of EPC contract, O&M Contracts
 - Terms of procurement etc.
- 12. BASICS OF STARTING SOLAR BUSINESS**
 - Entering Solar Sector- Various Business, Job and Freelancing Opportunities
 - Business Models
 - Channel Partnership & Registration Process for MNRE under New Entrepreneur scheme
- 13. SELF-ASSESSMENT TEST**
 - Test
 - Answers & Self Evaluation
 - Certification

OUR SERVICES AND OFFERINGS

SMART CONSULTING

Commitment with Quality

SMART DESIGN : DESIGN & ENGINEERING, CONSULTANCY, SKILL DEVELOPMENT

- **Smart Home, City, Planet, Citizen | Energy Optimized Designs**

Energy efficient, Energy Positive, Green building concept and designs in collaboration with leading architects to design and build societies with optimum utilization of resources and minimum disturbance to environment with best quality of life.

- **Energy Management | Energy Audit, Consulting, Solution and Services | Electrical & Automation**

Services by professionals to optimize your energy consumption and Management.

- **Water & Waste Management | Audit, Conservation Consulting, Solution and Services**

Conservation & optimum utilization planning - Rainwater, drinking water, waste water. Design engineering & project management Services by professionals.

- **Skill Development | Professional Trainings**

We provide consultancy in our areas of expertise and also trains professionals towards Smart Planet, a lifestyle which use optimum resources and minimize disturbance to environment.

SMART BUSINESS : BUSINESS DEVELOPMENT -TECHNOLOGY, PRODUCT, SERVICE

- **Smart Products & Innovations | Technology, Products, Services which changes lives**

Innovation, distribution & Trading of products (Solar Lights, LED Lights, Lanterns, Carts, Back Packs ...).

- **Business Consulting | Business Strategy & implementation**

Go to market Planning and placement, Marketing & Promotion, Distribution & service network.

SMART PROJECT : PROJECT MANAGEMENT & EPC SERVICES

- **Project Management & EPC | Electrical & Automation**

Services for feasibility study, technical specification, tendering, vender selection, project execution, O&M etc. With team of experts and professionals we deliver customer satisfaction by managing projects from concept to completion.

- **Solar Photovoltaic Solutions | Residential, Commercial, Utility**

Concept to commissioning of Solar projects for all applications (Grid / Off Grid / Hybrid, Rooftop / Ground).

- **Smart Automation | Lifestyle enhancement solutions**

Home Automation & Comforts (Light, Devices, Security, Home theater ...).

SMART SOLUTIONS : IDEATING (PRODUCT, PROJECT, SERVICE) SOLUTION, START-UP'S

- **Innovation Support to ideas | Energy Conservation**

Cultivate ideas to reality which can help in energy optimization and sustainable societies.

OUR SERVICES AND OFFERINGS

SKILL DEVELOPMENT : PROFESSIONAL TRAININGS

We are passionate about constantly adding values to professionals by enhancing their knowledge collaborating with leaders in rendering quality education. The goal of the interactive course from our team is to improve the ability of Personnel and help them to work in better way.

Our panellist & experts are sought speakers in most seminars & workshops to deliver guest lectures. Sharing is enriching and **together we build our world, better place for future.**

Please contact us for **customized Training, workshops** or participate in the **regular training sessions** organised by us.

We are expanding our expertise profile and work on improving skills in many areas. Giving below an indicative list of subjects, please connect back if your choice of topic is not covered in this list :

SOFT SKILLS : These are meant for better employability, aptitude, attitude such as
COUNSELING for school Students on CAREER OPPORTUNITIES
SOFT SKILLS for YOUNG PROFESSIONAL

TECHNICAL SKILLS : These are meant for improving quality of operations / functional working in technical areas
SOLAR PV BASIC / FUNDAMENTAL / ADVANCE / CERTIFICATIONS
ELECTRICAL POWER SYSTEM FUNDAMENTAL
ELECTRICAL POWER T&D EQUIPMENTS FUNDAMENTAL
MEDIUM VOLTAGE SWITCHGEARS
POWER & DISTRIBUTION TRANSFORMER
POWER T&D PROTECTION FUNDAMENTAL

You can refer our training catalogue for sample of training we are organizing. You can also download our sample training booklet provided as participant's handout.

Learning methods : These are mostly instructor led interactive seminar Involving group discussion of participants, learning & sharing experiences and best practices.

Teaching methods : Content is presented as audio-visual presentation in classroom with a print copy to each participant. (Optional) to include demonstration in few cases.

Teaching language : The language of the course is English.

Course duration : Short duration course (1-5 days). Each day sessions max 8 hrs which includes training, 2-3 tea breaks – 15' each and 1Hr lunch break.

Further information : **Team - Design Board**
 YK Jain, Smart Consulting – Smart City & Renewable Projects

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REGISTRATION TO SWABLAMBAN

E4U SKILL DEVELOPMENT PROGRAM WITH NSEFI

HOW DID YOU HEAR ABOUT THIS? *

- Internet Search
- Advertisement
- Referral by Friend
- Social forums
- Whatsup chat
- Linkedin Chat

ARE YOU INTERESTED TO PARTICIPATE? *

- Yes No Maybe

HOW MANY PARTICIPANTS YOU WANT TO ENROL *

WHEN DO YOU PLAN TO ATTEND THE SESSION? *

- 24-25 Sep'2016
- 22-23 Oct'2016
- 26-27 Nov'2016
- 21-22 Jan'2017
- 25-26 Feb'2017
- Want customised training for your team
- Want advanced training for your group
- Want to collaborate for organising training
- Any other date?

WHAT IS YOUR CATEGORY *

- Corporate
- Individual
- Student
- NSEFI Member
- Invitee
- Other

ANY DISCOUNT AVAILED *

- Early Bird
- Group booking
- Special Consideration
- Other

WHAT IS EXPECTED FROM THE TRAINING *

- Awareness – Consolidated
- Basic Fundamentals
- Want to start business
- Want to learn as academic interest
- Help getting good job
- Want to polish my skills to be an expert
- Want to learn how to make proposals
- Want to learn how to design the system
- Want detailed overview of the sector

PLEASE PROVIDE YOUR EMAIL *

PLEASE PROVIDE YOU NAME *

YOUR CONTACT NO. *

YOUR PAYMENT AMOUNT (Rs.) *

YOUR PAYMENT DETAILS RTGS *

- Bank Transfer / RTGS / NEFT
- Cheque
- Draft

YOUR PAYMENT REFERENCE

YOUR PAYMENT DATE

YOUR PAYEE BANK NAME & BRANCH