

Certificate Course in Design, Installation and Commissioning of Solar Photovoltaic Systems



The School of Energy Studies
Savitribai Phule Pune University



SCGJ | SKILL COUNCIL FOR
GREEN JOBS



Arbutus Consultants
Grey Matter to Green Solutions

*Participants will get additional certificates of
Skill Council for Green Jobs for Rooftop Solar
Photovoltaic Entrepreneur*

Information Brochure

www.arbutusconsultants.com/training

About Us

Savitribai Phule Pune University

Savitribai Phule Pune University established in 1949 at Pune. The university houses 46 academic departments. It is popularly known as the 'Oxford of the East'. It has about 307 recognized research institutes and 612 affiliated colleges offering graduate and under-graduate courses. The University has been assessed and accredited in 2001 and has received the highest, five star, rating from the National Assessment and Accreditation Council, Bangalore, India. In addition, the University has been identified by the University Grants Commission (UGC) as one of the five Universities having potential for excellence.

The School of Energy studies

The School of Energy Studies was established under the flagship of the Savitribai Phule Pune University, to promote interdisciplinary research, development and teaching activities in the field of energy and renewable energy sources. The major objective of this effort was to bring and to bear, the expertise and facilities that are available in the various science departments on the university campus, for the purpose of teaching and solving some of the Frontline problems, both of basic and applied nature.

Arbutus Consultants Pvt. Ltd.

Arbutus Consultants Pvt Ltd. is an ISO 9001:2015* certified provider of consulting, engineering and training services in the field of solar energy in India. Arbutus has helped design, engineer, finance and develop over 6 GW of solar PV power projects since 2005 of which over 3 GW are operational. Arbutus provided consulting services to the first MW-level grid-connected solar PV power project in the country that was set up in Asansol, West Bengal, by WBGEDCL. Arbutus is also affiliated with Skill Council for Green Jobs and National Institute of Solar Energy for developing and delivering training programmes. Arbutus has helped in the capacity building of more than 750 personnel through various programmes. Arbutus is currently carrying out assignments in India and North Africa and is actively exploring to develop new markets in Africa, Middle East and S-E Asia.

Service Portfolio

1. Concept to Commissioning Consulting Services – As Owner's / Lender's Engineer (feasibility studies, procurement support, review engineering, quality assurance during construction)
2. Proposal engineering and detailed engineering services (EPC engineer)
3. Due Diligence Services
4. Strategic and Transaction Advisory Services

Course Focus

- The course focuses on enhancing the skills in designing Solar Photovoltaic System
- Exposure to the state of the art industry standards and design tools and competency building on SPV plant design
- Installation and Commissioning procedures related to SPV plant

Course Structure and Contents

- The course structure would be 100 hours with one programme spreading over almost 5 weeks.
- The final schedule is dependent on the progress made during the course.

The course will cover the following topics:

- Overview of Industry and systems
- Principles and Technologies
- Design of Grid Connected Systems
- Case study of grid connected systems
- Design and case study of off-grid systems
- Installation, Commissioning and Engineering Practices
- Project Management
- Experiments- on roof top 110 kw, 3kw PV system
- Entrepreneur Awareness
- Prepare a BOQ, Basic assumptions and accuracy
- Prepare a DC SLD with cable schedule, sizing & voltage drop calculation
- Software tools for PV design, (PV SOL & PVSyst)
- Group Discussion – On a chosen topic
- Industry Visit

Conduct of Course

The course will be conducted both as lecture sessions as well as interactive sessions by the faculty from leading industries and reputed organization in the solar field. Equal weightage will be given for theory and Practical.

Course Fees*

Participants	Course fees
Domestic	Rs. 29,000/-
International	USD 650

- * Fee includes course material, Lab training, Certificate examination fees, Field visit etc.
- * 100% fees will be paid by the student through D.D. at the time of admission.
- * Course fees are non-refundable / transferable except programme is cancelled by the organiser.

No. of Seats Available

- Maximum no. of seats available: 25
- Minimum no. of seats: 15
- * Programme may be postponed / cancelled if requisite number of participants are not there

Eligibility for Admission

1. 12+2 equivalent (Science/Engineering) or Diploma in Electrical / Mechanical / Instrumentations / Electronics Engineering with 1year industrial experience **OR**
2. Graduates in Electrical / Mechanical / E&TC/ Electronics/ Production/ Instrumentation/ Physics/ Electronic Science **OR**
3. Equivalent

For Further Information

Contact details

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E-mail: Enquiry@arbutus.co.in;

Notes 1. All necessary announcements will be declared on the website.

Testimonials of last batch participants

overall programme is excellent, best in class faculty, very rich content, helps a lot in delivering skills of solar PV market and programme execution. Thanks for putting this together.

Mr. Ashish Mohan

ashishmohan505@gmail.com

Course is very nicely designed from basic to MW scale designing is included in that.

Also, Project management lecture is so important to execute project in proper way, so overall programme is excellent.

Mr. Rohit Kedar

rohitmechengg22291@gmail.com

Learned basics of Solar PV which is very helpful when you enter into solar industry. All faculties are excellent, all have vast industrial experience in field of Solar. Placement assistance is also good. I got calls from companies as soon as I completed the course and now I am working with solar firm .

Mr. Gautam Kokande

gautamkokande@gmail.com

I did solar designing course from Arbutus consultant in Pune university. This Solar designing course is provide complete knowledge about on grid, off grid and Hybrid system designing. Due to this course, I gain amount of knowledge that already 1-year experienced person have. So, it's helpful to start your career in solar sector. If anyone wants to start career in solar sector. This course is one of the best option to gain complete knowledge about solar. Teaching staff with arbutus is very good and they all have good knowledge and experience also. They provide you all things which are useful for you. Also, all staff members are very kind in nature. So finally, it's my opinion that this is important and useful course if you are looking career opportunities in solar. It's not costly also look it as an investment which gives you a better return

Ankush Kadam

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