

PRABHATKIRAN

SUSTAINABLE ENERGY PVT. LTD,

'VRUNDAVAN' Jival Residency, Saklecha Nagar, Jalna MH- 431203

One Month Online Training

Renewable Energy : Fundamentals & Application with Advance Skills Development

Specially Designed Course Contain for B.tech (Agricultural Engineering) Student



Training Duration
From July 5, 2021 to August 4, 2021

About Us

- Serving knowledge from July 25th, 2017.
- Concept-to-Commissioning Services in Renewable sector.
- Conducted trainings for Students, PV Installers, Entrepreneurs, and Financers.
- Installed cumulative capacity of ~2,250 kWp with single largest of 550 kWp.
- Pioneer in adopting cutting edge technologies.
- Design and supply various products with Solar PV application.
- Contribute in public awareness through campaigns related to Climate Action, Policies promoting Solar, Consumer Advocacy, etc

Course Module

Module 01: Introduction to Renewable Energy

Module 02: Bio-Energy Systems: Design and Applⁿ

Module 03: Solar Photovoltaic Power Generation

Course Format

- Online training platform
- Expert Faculty certified by Skill council for Green Jobs
- Live lectures and discussion with Poll questions.
- Site visit with virtual learning experience
- Full time course module availability during program
- E-Book with 2D & 3D animation
- Weekly two guidance session on Business and Startup Planning in Renewable Sector
- Discussion Forum will open 24*7
- Full time Course Monitoring with Well-Qualified Coordinators.
- Certificate, with unique certification number, upon successful completion.

To Register Please go to the link-<https://forms.gle/wzNs77eNBWD96HVx5>

• Course Fee: ₹ 1200/- For b.tech(Agril. Engg.) • Last date of Regi.: June 30, 2021

We have a group of expert Faculties

- Trainers for GRPV Entrepreneurs certified by Skill Council for Green Jobs (under World Bank-SBI SUPRABHA Program).
- Trainers for SPVRT installers certified by GERMI (a center of excellence under SCGJ).
- They have trained at IIT-B in the field of Silicon Solar Cells.
- They have been invited by various institutes across states for imparting hands-on trainings on Entrepreneurship, Installation and Project Management of PV Rooftops.

Contact Us

Training organizer, Team PSEPL | M: 7219765907 | E: knowledge@prabhatkiranenergy.com

Training Co-ordinator, Team S2AE | M: 7219865907 | E: officialteams2ae@gmail.com

One Month Online Training
Renewable Energy : Fundamentals & Application
with Advance Skills Development

Specially Designed Course Contain for B.tech (Agricultural Engineering) Student

Day Wise Course Schedule

Start	Sunday	Inauguration
Module 01: Introduction to Renewable Energy		
Day 1	Monday	Fundamentals of Renewable Energy
Day 2	Tuesday	Study of Renewable Power Sources I
		Solar Energy & It's Applications
Day 3	Wednesday	Energy From Biomass
Day 4	Thursday	Study of Renewable Power Sources II
		Wind Power Generation System
Day 5	Friday	Ocean thermal energy conversion
Module 02: Bio-Energy Systems: Design and Applications		
Day 6	Saturday	Introduction Bio-Energy Systems
Day 7	Sunday	Self-evaluation I & Guest Webinar I
Day 8	Monday	Study of different parameters in Bio-Energy Systems
Day 9	Tuesday	Introduction Biogas technology
Day 10	Wednesday	Generation of power from biogas.
Day 11	Thursday	Design & use of different commercial biogas plant
Day 12	Friday	Power from (Gasification & Dendro thermal)
Day 13	Saturday	Waste and By-Products Utilization
Day 14	Sunday	Self-evaluation II & Guest Webinar II
Day 15	Monday	Environmental aspect of bio-energy
Module 03: Solar Photovoltaic Power Generation		
Day 16	Tuesday	Introduction to Solar PV Technology
		Current Status of PV technology
		Advantages And Limitations of PV
		SWOT analysis of PV

Day 17	Wednesday	Solar Photo Voltaic Module: Solar cell
Day 18	Thursday	Solar module, Solar array
Day 19	Friday	Series & parallel connections of cell, Mismatch in cell, fill factor
Day 20	Saturday	Effect of solar radiation and temperature on power output of module.
Day 21	Sunday	Self-evaluation III & Guest Webinar III
Day 22	Monday	I-V Characteristics for solar cells & power curve of module
Day 23	Tuesday	Balance of Solar PV system: Introduction to batteries Comparison of batteries, battery parameters.
Day 24	Wednesday	Charge controller: (Inverters) Fundamentals of MPPT & PWM
Day 25	Thursday	Single phase inverter Three phase DC-AC inverters
Day 26	Friday	Converters: DC to DC converter and DC to AC type converter.
Day 27	Saturday	Application of Solar PV system: Solar home lighting system, Solar lantern, solar fencing, Solar street light, Solar water pumping
Day 28	Sunday	Self-evaluation IV & Guest Webinar IV
Day 29	Monday	Roof top solar photovoltaic power plant and smart grid.

Module 04: Personality & Skill Development

Day 30	Tuesday	Skill Development I
Day 31	Wednesday	Skill Development II

- Everyday 2 hr live lecture with on site practicals
- Every Sunday Proctored online exam
- Every Weekend Webinar session of Guest Experts

Training Duration: From June 21, 2021 To July 20, 2021

This dates are tentative and may varies as depending on Students academic exams dates

Contact Us

Training organizer, Team PSEPL | M: 7219765907 | E: knowledge@prabhatkiranenergy.com

Training Co-ordinator, Team S2AE | M: 7219865907 | E: officialteams2ae@gmail.com