



A FLAGSHIP PROGRAMME OF MINISTRY OF EDUCATION, GOVT. OF INDIA



(A Movement for Progressive India)

शिक्षित भारत - सिम भारत - स्वच्छ भारत - स्वस्थ भारत - स्वावलम्बी भारत -  
संपन्न भारत - आत्मशुभ्र भारत

## Five days Short-Term Training Program (STTP)

on

“Theoretical and Practical Training on Solar Power  
Plant Installation”

For PI-UBA Adopted Villages ITI Students

During  
3-7 July, 2024

Organized by



PI-UBA

Sardar Vallabhbhai National Institute of  
Technology (SVNIT), Surat, Gujarat

In coordination with



KP Group, Surat

Hosted By

Industrial Training Institute (ITI), Mora, Surat

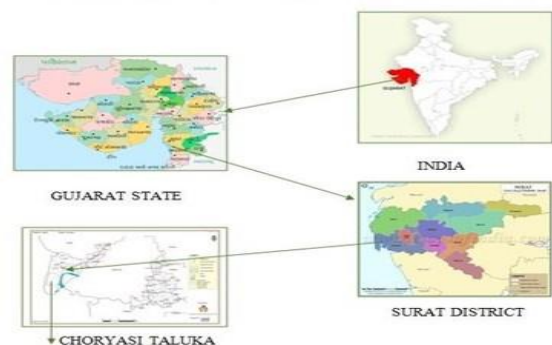
## About the Institute SVNIT, Surat

Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, is one of the national institutes of technology in India that was set up with the intention of providing high-quality technical education to meet the needs of the nation in the present competitive world. The campus is spread over 250 acres of lush green forest on the Surat-Dumas Road. Institute offers Seven Undergraduate programs, Twenty-One Post Graduate Programs, 5-Year Integrated M.Sc. Programs in Chemistry, Mathematics, and Physics, along with a full-time/part-time Ph.D. Programs in all the disciplines of Engineering, Science, Management, and English.

## About PI-UBA, SVNIT, Surat

SVNIT, Surat is one of the Participating Institute (PI) that closely coordinates with the State Government/ District Administration / Panchayat Raj Institutions / other stakeholders, including voluntary organizations responsible for the sustainable development of the adopted Village Cluster under Unnat Bharat Abhiyan (UBA). Following are the activities based on Major Areas of Intervention in Sustainable Rural India Development: Human Development, Cleanliness Drive, Tree Plantation, Health, Education and Culture, Values, Skills and Entrepreneurship, Organic agriculture, Water management and conservation, Renewable energy sources, Artisans and rural industries, Development and harnessing of local natural resources, Basic amenities, E-Support (IT - enabling) etc. PI-UBA have adopted Mora, Bhatlai, Rajagari, Suvali and Junagam villages under Choryasi district of Surat City.

To support skill and Entrepreneurship development for sustainable rural India, PI-UBA, SVNIT has tied up with K.P Group, Surat to provide training in the field of Solar Power Plant Installation and to open avenue for job opportunities.



## About KP Group

KP Group was founded by Dr Faruk G. Patel in 1994 and is now a well-recognized group in Gujarat. It started business operations in 1994 as a logistics service provider with owned & hired fleet of vehicles. During its forward journey, it has virtually surpassed all expectations by emerging as award-winning India's prominent Telecom Infrastructure Developing Enterprise in mobile telecom and, of late, in renewable (Solar, Wind & Hybrid) power sectors in over 15 years.

The Group has completed more than 30+ years of successful operations and today comprises of several companies, all contributing to the fast and robust growth of the group. During the last decade, the group has proliferated due to diversification into fabrication, galvanizing, renewable energy sector (Solar, Wind & Hybrid), and Telecom infrastructure.

KP Group has been significantly contributing to India's green energy transition. It has delivered more than a gigawatt cumulatively in solar, wind and hybrid. With entry into green hydrogen, their commitment to green energy transition has become even stronger. The Group has completed an initial public offer in solar and wind renewable energy and has three companies listed on BSE Limited and one on NSE.

## Objectives

This is a skill development course in the field of Solar Power Plant Installation which will provide theoretical knowledge and hands-on field training to become entrepreneur/ self-employed.

## Topics to be covered

- Basics of Electricity
- Brief About Renewable Energy
- Basics of Solar PV System & Solar PV Module
- Solar Power Measurements and Calculations
- Measuring Instruments
- Inverters for Solar PV Systems
- Solar PV Site Selection
- Designing a Solar PV System
- PV System Installation
- Marking and Labelling
- PV Systems Safety & Interconnection Metering
- Commissioning of Solar PV System
- Maintenance of Solar PV System
- Solar System Performance

- Batteries
- Cost and Financing Options
- Certifications and Licenses
- Technological advancements.
- Job Opportunities discussion
- Earthing and Protecting Devices

## Program outcomes

- ✓ PI Adopted villages' ITI students will be trained for solar plant installation.
- ✓ Few students may be recruited directly to KP group if found suitable.

## About Participation

- ✓ The ITI student members from adopted Mora, Bhatlai, Rajagari, Suvali and Junagam villages are welcome.
- ✓ Maximum 30 participants are accommodated. Early registration will be a priority.

**Venue: Industrial Training Institute (ITI), Mora**

**Sponsored by:  
KP Human Development Foundation,  
(CSR Arm of KP Group), Surat**

## Program Coordinators (PI-UBA, SVNIT, Surat)

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