



Pradhan Mantri Kaushal Vikas Yojna for Technical Institutions (PMKVY-TI) scheme is being implemented with a vision to create skilled manpower to drive the flagship schemes of Government (Make in India, Digital India and Unnat Bharat). In support to these schemes, Sree Vidyanikethan Engineering College has been selected second time as one of the Institutes under PMKVY under AICTE for imparting engineering technical skills training for free of cost for the academic year 2017-18.

## About PMKVY TI

### Background for the Idea of PMKVY TI

Skills and knowledge are the driving forces of economic growth and societal development for any country. Presently, the country faces a demand-supply mismatch, as the economy needs more skilled workforce due to change in demographic profile of the country. A National policy for Skill Development and Entrepreneurship 2015 has projected a **shortage of 109 million skilled persons by 2022** and called for an integrated effort to step up skilling of youth under PMKVY. There is a large requirement of skilled persons in the core engineering sectors; and it is possible to train the dropouts from the higher education system in these skills.

Keeping in view, it is decided by the MHRD that **AICTE, New Delhi will run PMKVY to train the unemployed youth in Engineering skills through AICTE**

**approved Engineering Colleges and Polytechnics**, such that every participant can acquire adequate skills under National Skill Qualification Framework (NSQF) and find suitable placement (Private sector jobs)/self-employment.

### **Vision:**

This scheme is being implemented with a vision to create skilled manpower to drive the flagship of Government like-Make in India, Digital India and Unnat Bharat.

### **Program, Curriculum, and Certification:**

1. The training will be domain specific, demand-led skill training activity in the respective specialization enabling the participant to acquire a skill, duly assessed and certified by an independent third party agency, enabling him/her to get self-employment/ increased earnings/moving from informal to formal sector jobs.
2. At the end of the training, the skill proficiency of each participant will be assessed and certified by the respective Skill Sector Council (SSC) of India
3. **After certification, entrepreneurial orientation, Placement assistance and counseling will be offered to the certified participants to the extent possible.**
4. Any person may join such programs as per the eligibility criteria.
5. Admission will not be given to such students who have taken similar type of training from some other training organizations.
6. The student's data will be verified from the data of student's undergone training under PMKVY TI, which is now being compiled by NSDC. This data is being integrated with the National Labour Market Information System (NLMIS) by National Skill Development Agency (NSDCA).

## Approved Courses under PMKVY TI for SVEC

### 1. Solar PV Installer-Electrical (AY: 2017-18)

Solar PV Installer-Electrical is one of the specializations of Green Jobs Sector. Department of EEE at SVEC will be taking over the responsibility in giving the training under mentorship of **skill council for green jobs** and **NSDC**. The total number of hours approved for giving training is 200.

#### Training Outcomes

After completing this programme, participants will be able to:

- Carry out the site survey for installation of Solar PV system
- Identify and use the tools & tackles used for Solar PV system installation
- Install the electrical components of a Solar PV system
- Test and commission Solar PV system
- Maintain personal health & safety at project site

### 2. Solar PV Installer-Civil (AY: 2017-18)

Solar PV Installer-Civil is one of the specializations of green jobs sector. Department of Civil Engineering at SVEC will be taking over the responsibility in giving the training under mentorship of Skill Council for Green Jobs and NSDC. The total number of hours approved for giving training is 180.

#### Training Outcomes

After completing this programme, participants will be able to:

- Carry out the site survey for installation of Solar PV system
- Install the Civil/Mechanical components of a Solar PV system
- Maintain personal health & safety at project site

### 3. Industrial Automotive specialist (AY: 2017-18)

Industrial automotive specialist is one of the specializations of Instrumentation Automation Surveillance & Communication Sector. Department of EIE at SVEC will be taking over the responsibility in giving the Training under mentorship of

Instrumentation Automation Surveillance & Communication Sector Skill Council and NSDC. The total number of hours approved for giving training is 480.

### **Training Outcomes**

After completing this programme, participants will be able to:

- Provide solutions to automation problems for manufacturing and process industries.
- Capture client requirements of industrial automation needs study existing facilities, if any, at the appropriate technologies and systems.
- Identify I/O devices and interfaces required for the system. Create wiring specifications, wiring layout and wiring plan. Create specifications, drawings and Bill of Quantities (BOQ) of the system to aid in procurement.
- Design and development of PLC and SCADA systems and also other relevant project execution activities

#### **4. Assistant Electrician (AY: 2016-17 & 2017-18)**

Assistant Electrician is one of the specializations of Construction Sector. Department of EEE at SVEC will be taking over the responsibility in giving the Training under mentorship of Construction Skill Development Council of India (CSDI) and NSDC. The total number of hours approved for giving training is 400.

### **Training Outcomes:**

After completing this programme, participants will be able to:

- Select and use hand, power tools and electrical devices relevant to construction electrical works
- Install temporary lighting arrangement at construction sites and Install LV electrical wiring at permanent structures
- Assemble, install and maintain temporary LV electrical panels (distribution boards) at construction site
- Work effectively in a team to deliver desired results at the workplace
- Plan and organize work to meet expected outcomes

- Work according to personal health, safety and environment protocol at construction site

### **5. Casting Technician Level-3 (AY: 2016-17)**

Casting Technician Level-3 is one of the specializations of Automotive Sector. Mechanical Engineering Department of SVEC has taken over the responsibility in giving the Training under mentorship of Automotive Skills Development Council (ASDC) and NSDC. The total number of hours approved for giving training is 300.

#### **Training Outcomes:**

After completing this programme, participants will be able to:

- Demonstrate the knowledge required for primary manufacturing process which is suitable for fabricating a product.
- Analyze the components of moulds and select materials and allowances of patterns used in casting.
- Prepare patterns and moulds and obtain desired products by pouring molten metal.
- Follow safe practices during work practice in laboratory / workshop.

## Implantation Program of PMKVY-TI on 23-02-2017 at Sree Vidyanikethan Engineering College



**Prof. T. Gopala Rao, Special Officer,  
Sree Vidyanikethan Educational Trust addressing the gathering**



**DR. P.C. Krishnamachary, Principal addressing the gathering**





**Dr. K.C. Varaprasad, Professor & HOD (ME) enlightening the participants about PMKVY-TI**



**Participants**

**PMKVY students conducting experiments  
( Assistant Electricians )**





**PMKVY students conducting experiments  
(Casting Technicians)  
PMKVY-TI - 2016-2017**



**DETAILS OF THE COURSES SANCTIONED UNDER  
PMKVY-TI  
FOR THE AY: 2017-18  
(Appl. No.: 1-3325338519)**

S. No	Specialization/ Job Role	Sector	Minimum Qualification for Enrollment	No. of Hours Sanctioned	Recommendable Intake
1	Assistant Electrician	Construction	Preferably 10 <sup>th</sup> Class	400	25
2	Solar PV Installer (Electrical)	Green Jobs	10th Pass + ITI / Diploma (Electrical, Electronics)	200	25
3	Industrial Automation Specialist	Instrumentation Automation Surveillance & Communication	BE/B.Tech in Engineering (Electrical, Electronics, Mechatronics, Instrumentation) or M.Sc. (Electronics)	480	25
4	Solar PV Installer (Civil)	Green Jobs	10th Pass + ITI / Diploma (Electrical, Electronics, Civil, Mechanical, Fitter, Instrumentation, Welder, Mason)	180	25

**FOR ADMISSIONS INTO PMKVY COURSES CONTACT:**

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