

## **ABOUT INSTITUTE:**

Sardar Patel Institute of Technology, Mehsana is established in 2009 with a purpose of enriching the wireless generation of students with the integration of teaching – learning process, advancement of knowledge through research and leadership in services and outreach. The journey of SPIT was started with just 300 intake and 5 programs at the undergraduate (UG) level with the investment of 6 Cr. Today this college is offering a UG programs with 540 intakes in 4 branches namely Mechanical, Automobile, Computer and Civil engineering and post graduate (PG) programs in 4 specialization with 96 intakes namely mechanical (IC-Auto, Thermal and CAD-CAM engineering) and Civil (Structure) engineering. The institute has self motivated and dedicated faculties passed out from IIT's, NIT's and renowned institutions / universities across the country. The institute and respective departments are equipped with good infrastructure and laboratories for to impart practical knowledge with real time exposure to the students.

## **ABOUT THE DEPARTMENT:**

Department of Mechanical Engineering of the institute is one of the largest and well established departments with 300 intakes capacity at under graduate level and 72 intake at post graduate level in different specialization. The department provides excellent experimental facilities to the students with highly qualified faculty, well equipped laboratories and skilled faculties. Some special equipments like Gas Charging Unit, Solar water heaters, Diesel engine test rig, CNC machine, EDM Machine etc.. The department is having more than 26 qualified and quality faculty members.

## **ABOUT WORKSHOP:**

Renewable Energy is directly derived from the sun and from heat generated in the interior of the earth. Renewable energy sources include solar, wind, ocean, biomass and biofuels. As

today, solar, wind and other sources contribution to energy requirement is very marginal but the technical potential of their use is very large. Presently worldwide, large scale projects have been developed but renewable technologies are more suited to remote and rural areas.

Increasing demand of fuel and energy can be met only by developing pollution free renewable energy sources and also by increasing the efficiency of their conversion methods. The gap between demand and supply can be met by such non-conventional sources.

## **COURSE CONTENT:**

- Solar Thermal & PV systems
- Wind Energy
- Biomass & Bio energy
- Alternative fuels
- Tidal Energy
- Geothermal Energy
- Modelling & Simulation of RES
- Carbon Emissions
- Energy Efficiency & Management
- Green Buildings
- Sustainable Construction Materials

## **RESOURCE PERSONS:**

Program faculty includes experts pass out from reputed IIT's, NIT's and reputed Technical / Engineering Institutes.

## **ELIGIBILITY:**

The workshop is open to faculty from AICTE approved engineering institutes, industry professionals and ME / M.Tech / Ph.D. research scholars. As the workshop is interdisciplinary in nature, faculty members and industry professionals of Civil, Mechanical, Electrical, Electronics, and Computer engineering disciplines may attend the program.

## **REGISTRATION FORM**

*Full name:* \_\_\_\_\_

*Designation:* \_\_\_\_\_

*Department:* \_\_\_\_\_

*Organization with address:*

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ *Pin Code:* \_\_\_\_\_

*Email:* \_\_\_\_\_

*Institution approved by AICTE: Yes / No*

*Academic qualifications:*

\_\_\_\_\_

*Experience (Yrs):*

(i) *Teaching:* \_\_\_\_\_ (ii) *Industry:* \_\_\_\_\_

*DD No:* \_\_\_\_\_ *Date:* \_\_\_\_\_

*Amount: Rs* \_\_\_\_\_

*Bank Name & Branch:*

\_\_\_\_\_

*Signature of the applicant*

## CORRESPONDENCE ADDRESS:

To,  
Prof. Vinay Kumar Sharma, AP - DME  
The Workshop Coordinator - DME,  
Sardar Patel Institute of Technology,  
Merchant Education Campus, Basna,  
Mehsana-384380, Gujarat  
Contact: 09925299544  
E-mail: [vksharma.me@spitcp.ac.in](mailto:vksharma.me@spitcp.ac.in)

For more detail visit us at: [www.spitcp.ac.in](http://www.spitcp.ac.in)

## REGISTRATION FEES:

Participants	Fees
Students from campus	Rs. 75
Faculty from campus	Rs. 150
Faculty from outside	Rs. 300

Registration forms are available at institute website [www.spitcp.ac.in](http://www.spitcp.ac.in). Seats are limited to 60 and selections will be based on first come first serve basis. The registration fee may be paid through Check/Demand Draft in favour of "Sardar Patel Institute of Technology" payable at Mehsana. Registration fees include Registration kit, Lunch and High Tea.

## ORGANIZING COMMITTEE:

### **Chief Patron:**

Shri R. D. Patel, Chairman, MCT  
Shri. Y N Patel, MD, MCT

### **Patron:**

Prin. K C Patel, Campus Director

### **Advisor:**

Dr. K G Mehta, Principal, MEC  
Prof. V G Patel, Head Of Electrical Department, MEC

### **Chairman:**

Dr. H. N. Shah, Principal, SPIT

### **Convener:**

Prof. N B Patel, Head of Department (DME)

### **Coordinator:**

Prof. Vinay Kumar, (AP-DME)  
Email: [vksharma.me@spitcp.ac.in](mailto:vksharma.me@spitcp.ac.in)

### **Co-coordinator:**

Prof. S.S Soni (AP-DME)  
Email: [sssoni.me@spitcp.ac.in](mailto:sssoni.me@spitcp.ac.in)

### Important Dates

Last date of submission of duly signed form:

**22/12/2014**

Workshop on

**26-27 December, 2014**

### Venue

Seminar Room (Room No: 106)  
Department of Mechanical Engineering,  
Sardar Patel Institute of Technology, Mehsana

## CALL FOR PARTICIPATION

**TWO DAYS WORKSHOP  
ON**

**Recent Trends in Renewable  
Energy Systems and Green  
Buildings**

**26-27 December, 2014**

*Organized By*

**DEPARTMENT OF  
MECHANICAL ENGINEERING**



**Sardar Patel Institute of Technology**

**MERCHANT EDUCATION CAMPUS  
BASNA, MEHSANA  
GUJARAT-384380**

*In association with*





