



SRPEC

FACULTY DEVELOPMENT PROGRAM REPORT

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Smt. S. R. Patel Engineering College, Dabhi—Unjha

**Faculty Development Program:
Visit to Solar Energy Technology Seminar at
GPERI, Mehsana**

Visit Date:

6th April, 2013

Objective

To acquaint the participants about advance research on Solar energy technologies .

Faculty Visited:

Ramesh N Mevada

Introduction:

Solar technologies are broadly characterized as either passive solar or active solar depending on the way they capture, convert and distribute solar energy. Active solar techniques include the use of photovoltaic panels and solar thermal collectors to harness the energy. Passive solar techniques include orienting a building to the Sun, selecting materials with favorable thermal mass or light dispersing properties, and designing spaces that naturally circulate air.

The Seminar was intended to acquaint the participants about advance research on Solar energy technologies like solar distillation, solar photovoltaic, solar cooking, solar power plant etc.

About the Institute:

Gujarat Power Engineering and Research Institute (GPERI) was commenced in the year 2011 at village Mewad, dist.Mehsana, Gujarat with the approval of All India Council of Technical Education (AICTE), New Delhi and affiliation with Gujarat Technological University (GTU), Ahmedabad. GPERI has currently four graduate courses (Civil, Electrical, Mechanical and Computer) in engineering and research opportunities to choose from. The institute has intentions to develop state-of-the-art labora-

tories and infrastructure to cater the need of high skilled employable engineers to the industry.

Program Highlights:

- Impressive session by Dr Deepak Gadhia on different solar technology
- Lecture on solar still by Prof Hitesh Panchal
- Lecture on solar thermal by Dr Ajit Shukla
- Concluding and informative session by Dr Omkar Jani on photovoltaics



GUJARAT POWER ENGINEERING AND RESEARCH INSTITUTE (GPERI)

Experts:

- Dr Deepak Gadhia
- Dr Omkar Jani
- Dr Ajit Shukla
- Prof Hitesh Panchal

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