Report

A Three Day State Level Workshop On "Emerging Trends in Renewable Energy Technologies" 16-18th February 2017

Organized by

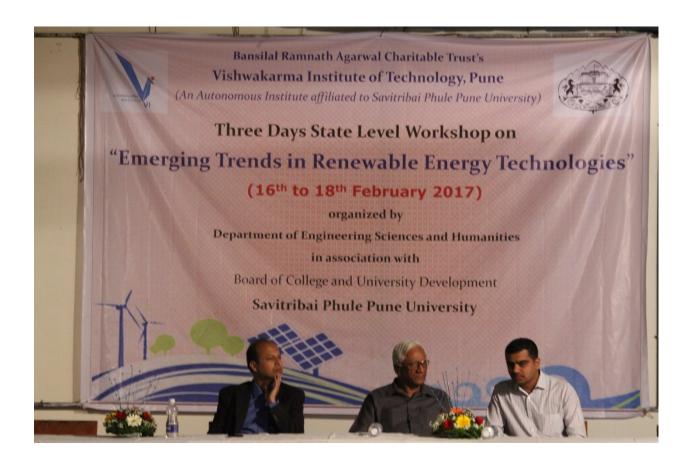


Department of Engineering Sciences and Humanities
Vishwakarma Institute of Technology, Pune

Funded by



Savitribai Phule Pune University



The Department of Engineering Sciences and Humanities of, Vishwakarma Institute of Technology, Pune has organized a three day state level workshop on "Advances in Non-Conventional Energy and Control Systems" during 16-18th February 2017 with an aim of getting scientists, senior academicians and research scholars working in the area of Non-Conventional Energy and Control Systems under one platform to emphasize the importance of this area of research and development.

About the Workshop

It is well known that energy sector has its own impact on the progress and development of any nation. An energy crisis across the globe is driving force for optimal utilization of energy resources for sustainable development. Energy crisis had led to many innovations in all sectors. The opulent availability of energy resources and capability of manufacturing smart products are the key factors in the economic growth of any nation.

Objectives of Workshop:

- 1. To train teachers & students to edify energy awareness for sustainable development
- 2. To create awareness to conserve, prepare and make informed energy choices
- 3. To know the current trends and technologies in renewable energy sector
- 4. To comprehend the future of renewable energy technology
- 5. To exhibit recent renewable energy technologies
- 6. To arrange visit to renewable energy industry / academia.

Scope of the Workshop:

- 1. Solar Thermal, Photovoltaic & Hybrid Technology
- 2. Energy from Urban & Industrial Waste
- 3. Waste heat recovery, Fuel cells, Hydrogen etc.
- 4. Wind Energy, Biomass gasification and Biogas
- 5. Efficient Energy Appliances and Technologies, e.g. LED, CFL Luminaries, Hybrid vehicles etc.

Visit to renewable energy industry / academia.

Total 90 participants have registered from various institutions across the Maharashtra and some from nearby states.

The inauguration of the workshop was held on 16th February, 2017 at V.I.T. auditorium in the esteemed presence of Prof. (Dr.) M. G. Takwale, Former Vice Chancellor, Shivaji University, Kolhapur. Prof. (Dr.) M. G. Takwale presented current need of non-conventional energy sources like solar, wind, Tidal Power, Geothermal power, Hydropower, Biomass etc and key challenges. Also he had discussed specifically the solar and wind energy systems as case studies; those are very helpful for researchers who are willing to work in these areas. Prof. (Dr.) M. G. Takwale

has shared list of organizations which provides financial support the research projects in these areas.

During this event Prof. A. S. Marathe, Dean Quality Assurance, Prof. M. M. Kulkarni, workshop convener and Head Department of Engineering Sciences and Humanities, V.I.T. Pune and Prof. Dr. C. M. Mahajan, workshop coordinator were present on the dais.

Prof. A. S. Marathe briefed about the various achievements of the institute and new initiatives taken by the institute. Prof. Dr. C. M. Mahajan, briefed about the workshop and highlighted the objectives and scope of the workshop., Prof. M. M. Kulkarni briefed about the department and Prof. Geeta Talwar has presented vote of thanks. Prof. N. S. Pophale hosted the event.

The detailed program of the workshop is given below:

Day 1: Thursday 16 th February, 2017					
Time	Session	Speaker	Topic		
9:00 am to 9:30 am	Registration and Welcome				
9:30 am to 10:00 am	Inauguration				
10:00 am to 11:00 am	Key note	Prof. Dr. M. G. Takwale	Renewable Energy		
	session	Former Vice Chancellor	Technologies – Solar		
		Shivaji Vidyapeeth, Kolhapur	Energy Systems		
11:10 am to 12:10 pm	Session 1	Prof. Dr. Louis Hornyak	Nanotechnology for		
		Director, Center of Excellence in	Renewable Energy		
		Nanotechnology, Asian Institute of	Conversion		
		Technology, Bankok, Thailand			
12:15 pm to 1:15 pm	LUNCH				
1:20 pm to 2:20 pm	Session 2	Mr. Puneet Hegde	Energy Audits and		
		Expert, Thermax Ltd. Pune	Energy Efficiency		
			Techniques		
2:30 pm to 3:30 pm	Session 3	Prof. Dr. C M Mahajan	Solar Thermal		
			Systems -		
3:30 pm to 3:45 pm	Tea Break				
3:50 pm to 4:50 pm	Session 4	Prof. Dr. K. C. Mohite	Bio – Energy		
		Dean, Faculty of Science, SPPU,			
		Pune			
Day 2: Friday 17th Feb	ruary, 2017				
10:00 am to 11:00 am	Session 5	Prof. Dr. A. M. Pathak	Solar Concentrators		
		Faculty School of Energy Studies,	- Case Study		
		SPPU			
11:10 am to 12:10 pm	Session 6	Prof. Dr. N. B. Chaure	Solar Photovoltaic		
		Faculty, Department of Physics,	Technologies		
		SPPU			
12:15 pm to 1:15 pm	LUNCH	·			

1:20 pm to 2:20 pm	Session 7	Prof. Dr. A. M. Funde	Solar Photovoltaic		
1.20 pm to 2.20 pm	Session ,	Faculty School of Energy Studies,	Power Plants –		
		SPPU	Challenges		
2:30 pm to 3:30 pm	Session 8	Prof. Dr. S. D. Gunjal	Skill Development :		
		Faculty, SPPU	Renewable Energy		
3:30 pm to 3:45 pm	Tea Break				
3:50 pm to 4:50 pm	Session 9	Prof. Dr. C M Mahajan	Solar Thermal		
		, and the second	Systems -		
Day 3: Saturday 18 th February, 2017					
10:00 am to 11:00 am	Session	Prof. Dr. Anindita Roy	Wind Energy &		
	10	Faculty, PCCOE, Pune	Hybrid Technologies		
11:00 am to 12:00 pm	Session	Prof. Dr. S. V. Ghole	Energy from		
_	11	Faculty, SPPU Pune	Biomass – Biogas –		
		-	Case Study		
12:00 pm to 1:00 pm	Session	Prof. Dr. B.G. Ankamwar	Swachh Bharat		
	12	Faculty, SPPU Pune	Abhiyan – Role of		
			Renewable Energy		
			Technology		
1:00 pm to 2:00 pm	LUNCH				
2:00 pm to 5:00 pm	VISIT				



