

**1. Name of the Faculty: Prof. Nilkanth N. Shinde**

**2. Designation: Assistant professor**

**3. Date of joining the Institute: 20/08/2008**

**4. Highest Qualification: M. Tech.**

**5. Educational Qualifications:**

Sr. No.	Examination Passed	Subject with specialization	Year of Passing	Name & Address of the University awarding Certificate / Degree
1.	UG	Mech.Engg.	1976-77	Shivaji University
2.	PG	Heat Transfer	1978-79	I.I.T Powai,Mumbai
3.	Ph.D.	Solar energy	Perusing	Shivaji University
4.	Other			

**6. Teaching Experience: Total :**

Designation	From	To	Years	Classes taught	Name & Address of the Institution
Asst. Prof.	Aug 2008	Till Date	5	M. Tech. Energy Tech.	Department of Technology,Shivaji University,Kolhapur

**7. Other Work Experience**

**1979-1984:**

**Trainee Engineer-..... TATA Electric Co Mumbai**

Training at thermal, hydro power plants.

Work experience for supply, erection, commissioning of power plants including thermal, hydro station, wind mill, solar water heating systems. Training in various departments like Mechanical maintenance, operations, engineering, commercial/ accounts, stores,etc.

**Assit.Engineer-Engineering Dept. ....TATA Electric Co. Mumbai**

**Responsibility:** Co-ordination of engineering activities

Co-ordination with consultants, vendor developments, ,system and equipment purchases, inspections of existing thermal and hydro power plants Thermal analysis & comparison of various thermal power plants, study of generation/distribution methods . Supply of non conventional energy systems to various transmission stations, & company's colonies. Study and analysis of energy scenario of generations, efficiencies etc. TO TAKE DICISIONS of modifications, expansions of the existing systems and NEW PROJECTS

\* MIS to management for day to day reports from power plants.

\* Vendor developments for thermal /hydro power plants equipments and systems.

Co-Ordination with sites, plants, consultants,etc.

Engineering activities of the 500 MW thermal power plant at Mumbai

**!1984-To-1986- Project Engineer- (Erection& Commissioning)....TATA Electric Co. Mumbai**

Indias 1 st Thermal Power plant 500 MW Trombay, Mumbai.-Erection/commissioning

of different systems like, piping, boilers, condensers, air handling systems and other related systems of the thermal plants including, oil depots, pumps, piping and associated systems, oil, gas handling systems etc. .

\*.Project scheduling/monitoring with PERT /CPM., Quality control systems.,

Coordination with consultants and the foreign suppliers.

\* **MIS to MD.**

**Control Engineer-(Operational Head).....TATA Electric Co. Mumbai-**

Operations of India's first 500 MW thermal power plants at Trombay Mumbai. Control room operations.

**1987-TO-2007 –Project coordinator & Project Consultant: (Oil / Gas- & Energy Sector)**

1] Various Infrastructure developments project:

2] Power Generation: Wadheshwar Power System-Mumbai –

a) 25 MW wind farm Maharashtra, India. Consultancy for Project Planning and Executions of Wind power projects and .co-generation power projects. Implementation of strategic management systems for the client.

c) Associated with many industries in India for energy conservation –energy audits, implementations etc .

3].Consultancy for co-generation power plant using oil, gas, bagasse [Sugarcane waste] fired systems

4] Consultancy to industries for Foreign Direct Investment/automatic route vis-a- vis projects

5] Mag-Lev train system suitable for India-under FDI,/ under automatic route

6]. Consultants to Information Technology , Construction & Infra Structure Projects

7] **Micro irrigations systems**

**PerfectDripIrrigationPvt.Ltd:Kolhapur-Design,development,Manufacturing Installations, commissioning, performance analysis of drip irrigation, sprinkler and other irrigations systems. Developments and installations of POLYGREEN HOUSES in Western Maharashtra**

**Strategic managements for formation of drip irrigation system/brand establishment/regulatory work/machinery details/production setting/ISI determinations, market palnning and O & M system implementations**

8.]Satyapriya Infotech:- A project of ONLINE trading of agro commodities vis –a- vis operations of NCDEX/APMCS- and web enabled solutions Consultancy scope includes development of ICT s /agro clinics, virtual shops, data for trades at rural as well as urban agri-markets, e-auctions, and development of entrepreneurships at all levels using Information Technology for rural/agri-fields and women empowerments. Computer Education for masses through SSES-Kolhapur.

9].Satya-Satva Construction:Kolhapur- Investor and coordinator/ supervision for institutional, residential, commercial constructions of the firm, infrastructural projects, developments of large size industrial shades/institutions. civil works for industrial works/godowns, and estate developments.

10] Food Industry- consultancies for preservations, by dehydration methods for various agro products.

**Additional Credit for works as under:**

A] IIM Kolkata: Use of Information Technology to agriculture sector and development of entrepreneurship via agro commodity marketing .The work for Satyapriya Infotech.

B] NSPA Delhi: Use of Drip irrigation for sugarcane production in India. through m/s perfect drip irri.Pvt.Ltd.

C] Agri.University Rahuri, Maharashtra: Development of Poly Green Houses for flowri- cultures in India.

**1. Developments:**

A] Design and developments of pressure compensated drippers, filters, and automated irrigation systems. micro sprinkler irrigation systems.

B] Design and development of auto controlled poly house for agri-university.

C] Design and development of tractor mounted air carrier pesticide spraying systems for grape gardens.

D] Design and development of resines, tamarind, ginger drying systems in food processing units ,grading machines etc.

E] Design and development of crop water scheduling for agricultural sector.

### 3. Research/Report Assistance:

A] Ph.D work: Shivaji University-Study of micro irrigation, flood irrigation systems and its economics, a case study for Sangli dist.,Maharashtra

B] Shahu Institute of Management Studies- Master of Social Sciences-Socio-economic studies of drip irrig.systems a case study for Sangli dist.

C] Warana Engg. Collage- Developments of Pressure compensated drip irrig.systems. B E. project.Mech.Engg. Depts.

D] **Design** and development of Solar Dehydrator for mango pulp drying using wind power in rural areas. The work submitted to Mech.Engg.dept.IIT Mumbai. A project under appropriate technology.

**Many seminars, presentations on irrigation technologies, use of IT in agri-sector, energy conservation and audits etc.**

### 8. Fellowships/Awards: Nil

### 9. Awards / recognitions for excellence in teaching at the state, national and international level

### 10. Details of Funding received:

S. No.	Title of Project	Name of PI	Funding agency	Cost Rs.	Duration (Year)	Status
						In Progress

### 11. Inter-institutional collaborative projects and associated grants received

#### a) National collaboration :

S. No.	Title	Funding agency	Duration (Year)	Cost Rs.	Status	Name of PI	Name of collaborative Institute
-							

#### b) International collaboration:

S. No.	Title	Funding agency	Duration (Year)	Cost Rs.	Status	Name of PI	Name of collaborative Institute

**12. Areas of consultancy and income generated for the last 4 years:(Year wise) Nil**

	Areas of consultancy	income generated
<b>2009-10</b>		
<b>2010-11</b>		
<b>2011-12</b>		
<b>2012-13</b>		

**13. No. of Ph.D./M.Phil. students guided for the last 4 years: Nil**

**2009-10:**

**2010-11:**

**2011-12:**

**2012-13:**

**14. Publications: 13**

**A) Research papers published:**

Year	International Journals	National Journals	University. State level Journals	Seminar proceeding etc.	Total
2009-10	<b>0</b>	1			<b>1</b>
2010-11	<b>0</b>	0			<b>0</b>
2011-12	0	12			12
2012-13	1	16			17
2013-14	0	6			6
<b>TOTAL</b>					<b>36</b>

i) Citation data

SCOPUS Report (Numbers Only)			Google Scholar Citation Report (Numbers only)				Researchgate.net Report	No. other Pub.
Pub.	Citations	<i>h</i> -index	Pub.	<i>h</i> -index	<i>i</i> 10-Index	Citations	Impact Points	

ii) List of publications:

S. No	Name of Author/s	Year	Title of the Paper	Name of Journal	Vol.	Page Nos.	Impact Factor	citation
1.	Prof. Nilkanth Shinde ,Atul Sagade,Shailesh Patil	Nov. 2013	Experimental investigations on mild steel compound parabolic reflector with aluminum foil as selective surface and top cover	ISES Solar world Congress 2013/ Energy Procedia, International Solar Energy Society				
2.	Atul Sagade,Prof. N.N.Shinde,	Sep.2013	Performance evaluation of silver coated selective surface Compound parabolic reflector without top glass cover	SuNec conference/Energy & Environmental sciences, Energy & Environmental Sciences				
3.	Atul Sagade,Prof. N.N.Shinde,Dr.	Sep. 2013	Effect of receiver temperature on performance evaluation of silver coated	SHC 2013 conference/Energy				

	P.S.Patil		selective surface Compound parabolic reflector with top glass cover	Procedia, Energy Procedia				
4.	Satish Aher,Atul Sagade,Prof. N.N.Shinde,P. D.Haridas	April 2013	Experimental Performance Evaluation of 500W mini Wind mill	<i>International Conference on Energy Efficient Technologies for Sustainability- 2013</i> , IEEE conference	ISBN: 978-1-4673-6149-1 Issue:2013	pp.312-319		
5.	Satish Aher,Atul Sagade,Prof. N.N.Shinde,P. D.Haridas	April 2013	Experimental investigations on black epoxy coated aluminium receiver with FRP parabolic trough collector	<i>International Conference on Energy Efficient Technologies for Sustainability- 2013</i> , IEEE conference	ISBN: 978-1-4673-6149-1 Issue:2013	pp.291-299		
6.	Satish Aher,Atul Sagade,Prof. N.N.Shinde,	Jan. 2013	Performance evaluation of low cost FRP parabolic trough reflector with mild steel receiver	International Journal of Energy and Environmental Engineering, Springer ,Germany	Vol. 4, issue 1			
7.	Kale, S. S. & Shinde, N. N.	2012	Design and Development of CSP Using Convex Lenses for Domestic Water Heating and Steam Generation. IJMER, 1((2)12), 74-78.	IJMER ISSN: 2277-8128 IJMER-24	Volume 1, Issue 2			
8.	Satish Aher,Atul Sagade,Prof. N.N.Shinde,	December 2012	Comparative performance analysis of FRP parabolic trough collector	National conference in emerging technologies for sustainable development, Shivaji University, Kolhapur,India	oral presentation			
9.	Prof. N.N.Shinde ,Er.A. .Jadhav et.al	December 2012	Analysis of courtyards to improve IAQ In Educational Building.	International Journal of Architectural Engineering(IJAR,)I.F @2.1 –Qatar-UAE ISSN International (Online) #1994 6961 - ISSN United States (Online) #1938 7806				
10.	Prof. N.N.Shinde ,M.M.Wagh et.al	September 2012	Design,development, manufacturing and testing of aerofoil blades for small wind mill	International Journal of Modern Engineering Research(IJMER) <u>IF@4.1-India</u>				
11.	Prof. N.N.Shinde ,Dr.PS Patil et.al	August 2012	Design and Development of Electrochromic Device using WO3 and Evaluation of its Optical and Thermal Properties	International Journal of Engineering Research and Development. IF @5.0 –India ISSN(Online) : 2278-067X ISSN(Print) : 2278-				

				800X				
12.	Prof. N.N.Shinde, Dr. P.S. Patil et.al	August 2012	Evaluation of Electrochromic Device using WO <sub>3</sub> for its Optical and Thermal Properties.	International Journal of Energy & Environmental Engineering (IJEEE,-)IF @ 4.5 ,-UK ISSN: 2251-6832				
13.	Prof. N.N.Shinde, Kale et.al	July-August 2012	Design and development of csp using convex lenses for domestic water heating and steam generation	International Journal of Mechanical Engineering Research(IJMER) IF@ 4.1- UK ISSN: 2277-8128	Volume 1, Issue 2			
14.	Prof. N.N.Shinde ,Aher et.al	July 2012	Performance evaluation of low cost FRP parabolic trough reflector with mild steel receiver	International Journal of Energy & Environmental Engineering (IJEEE,-)IF @ 4.5 ,-UK- ISSN: 2251-6832				
15.	Prof. N.N.Shinde,M. Bhosale	July 2012	Geopolymer Concrete by Using Fly Ash in Construction”	International organization of Scientific Research-IOSR Journals.-India IF @ 4.02 ISSN 2250-3021				
16.	Prof. N.N.Shinde,V. Dafale	July 2012	Evaluation of performance evaluation of concentrating monoaxial scheffler technology for solar thermal water heating and low temperature industrial steam application	International Journal of Engineering Research and Applications (IJERA) maximum score 11.66 by Science Central march 2012 report. ISSN 2248-9622				
17.	Prof. N.N.Shinde & ,M Bhosale	July 2012	Evaluation of Geopolymer Concrete for strength by Using Fly Ash in Construction	International Journal of Mechanical Engineering Research(IJMER) IF@ 4.1- UK ISSN: 2249-6645				
18.	Prof. N.N.Shinde ,& H Kulkarni .	Nov. 2012	Design, Construction and Evaluation of Thermal Performance of Closed Cylindrical Parabolic Trough	IJAMRE IF@1.2  India ISSN: 2231 –5950				
19.	Prof. N.N.Shinde ,& H Kulkarni	November 2012	Performance Characteristics of Closed Cylindrical Parabolic Trough Solar Collector System for Solar thermal application	IJER I.F @ 2.21 John Willy –N.Y ISSN: 1099-114X				
20.	Prof. N.N.Shinde ,s. patil	2012	Performance evaluation of absorbers for parabolic trough solar collector (PTC) system for solar thermal application using black copper and black zinc coatings on copper and mild steel	IJAMRE-India				
21.	Prof.	July	Performance Evaluation of	International Journal of				

	N.N.Shinde ,P.Haridas	2012	500 watt Prototype Wind Turbine for Domestic application	Mechanical Engineering Research(IJMER) IF@ 4.1- UK ISSN: 2249-6645				
22.	Prof. N.N.Shinde et.al		Modeling District Energy Distribution System For Least Load Shedding"- Book under publication –in process	LAP LAMBERT Academic Publishing GmbH & Co. KG Heinrich-Böcking- Str. 6-866121, Saarbrücken, Germany				
23.	Prof. N.N.Shinde ,Prabhu et.al.	May- Jun 2012	Review of Phase Change Materials For Thermal Energy Storage Applications	International Journal of Engineering Research and Applications (IJERA) www.ijera.com ISSN: 2248-9622	Vol. 2, Issue 3	pp.871 -875		
24.	Prof. N.N.Shinde & A Desai	2012	Review of screen printable thick film metallization pastes and current extraction mechanism for industrial silicon solar cells	Int. J. Energy Technology and Policy, (IJETP) Inderscience Publishers	Vol. 8, No. 1			
25.	Prof. N.N.Shinde ,A Desai	2011	Comparison of study and evaluation of anony between food extraction grid of leaf and current extraction of screen printed thick film metallization on polycrystalline solar cells	IJMRE IF@1.2 India-2011				
26.	Prof. N.N.Shinde ,A Desai	2011	Evaluation of solar PV generation based on surface solar energy data in India- Review Article	IJMRE IF@1.2 India-2011				
27.	Prof. N.N.Shinde ,A Desai	2011	Optimization of a pump vis-à-vis wind mills up for small capacity water pumping application for indian conditions	IJMRE IF@1.2 India-2011				
28.	Prof. N.N.Shinde ,A Desai	2011	A review of industrial silicon solar cell metallization paste	IJMRE IF@1.2 India-2011				
29.	Prof. N.N.Shinde ,A Desai	2011	Review of screen printable thick film metallization pastes and current extraction mechanism for industrial silicon solar cells.	IJMRE IF@1.2 India-2011				
30.	Prof. N.N.Shinde ,A	2011	Performance Evaluation &	ISES SWC, “Solar World Congress2011-				



	Desai		Analysis of Low Cost Parabolic Dish Type Solar Collector for Domestic & Industrial Heating Application	Germany”,2011				
31.	Prof. N.N.Shinde ,Mrs Kale	2011	Implementation of prototype device- off grid-charge controller-suitable for solar PV system.,  ICARME,2011.	“International journal of Applied Research on Mechanical Engineering”,				
32.	Prof. N.N.Shinde ,Mrs Kale	Jan-July2011	Implementation of prototype device- off grid-charge controller-suitable for domestic wind power system.	International journal of electrical energy systems(IJEES)-2011				
33.	Prof. N.N.Shinde et.al.	2011	Performance Evaluation of Parabolic Dish Type Solar Collector for Industrial Heating Application w.r.t. steam applications	International Journal for Applied Engineering and Research  ISSN No: 0973-4562 and Online ISSN No: 1087—1090,2011.	Vol. V			
34.	Prof. N.N.Shinde et.al.	2011	Implementation of prototype device- off grid-charge controller-suitable for solar PV system.,	International journal of Applied Research on Mechanical Engineering, ICARME,2011				
35.	Prof. N.N.Shinde et.al	Jan-June2011	Implementation of prototype device- off grid-charge controller-suitable for domestic wind power system.	International journal of electrical energy systems				
36.	Prof. N.N.Shinde et.al.	December 2009	Improvement in energy efficiency in foundry industry using energy Management Practices and Energy Conservation,	International Journal of Mechanical Engineering				

B) Monographs:

C) Chapters in Books:

D) Edited Books :

E) Books with ISBN with details of publishers:

F) Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

G) Details of patents and income generated

**15. Invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies**

**16. Papers Presented in Seminars/Conferences conducted or recognized by professional agencies**

Year	seminars	Conferences		Total
		National	International	
2009-10		19	0	<b>19</b>
2010-11		18	0	<b>18</b>
2011-12		6	7	<b>13</b>
2012-13		3	1	<b>4</b>
2013-14		0	5	<b>5</b>

**List of paper/poster presented**

Sr. No.	Name of Author/s	Year	Title of the Paper	Name of symposia / conference
1.	Nilkanth Shinde ,Dr. P.S Patil ,et al	2013	Influence of CNT on performance of Polycrystalline Solar cells ,Publications and Visual presentations	28 <sup>th</sup> EUPVSEC,Paris France ,Sept.2013 ,International Conference
2.	Mr. Satish Aher ,Prof N.N.Shinde .et al.	2013	Experimental investigations on black epoxy coated aluminum receiver with FRP parabolic trough collector ISBN: 978-1-4673-6149-1 Issue:2013 pp.291-299	<b>IEEE conference</b> –India Refereed /Peer reviewed international conference
3.	Mr. Haridas ,Prof N.N.Shinde ,et.al	2013	Experimental Performance Evaluation of 500W mini Wind mill  ISBN:978-1-4673-6149-1 Issue:2013 pp.312-319	<b>IEEE conference-India</b> Refereed /Peer reviewed international conference
4.	S. Patil, Prof N.N.Shinde et.al	November 3rd -7th, 2013.	Experimental Investigations On Mild Steel Compound Parabolic Reflector With Aluminum Foil As Selective Surface And Top Cover	ISES Solar World Congress 2013, Cancun, Mexico November 3rd -7th, 2013.
5.	A Sagade , Prof. N.N.Shinde	September 10-12, 2013	Performance evaluation of silver coated selective surface Compound parabolic reflector without top glass cover	SuNEC 2013 - Sun New Energy Conference September 10-12, 2013,
6.	A Sagade , Prof. N.N.Shinde	10-12 Dec 2013	Investigations on silver chrome coated mild steel compound parabolic collector without top glass cover  Registration No: 1429, Paper code (: 268	ICAER 2013, 10-12 Dec 2013, IIT, Mumbai:
7.	A Sagade , Prof. N.N.Shinde	December 2012	Analysis of courtyards to improve IAQ In Educational Building. December 2012  ISSN International (Online) #1994 6961 - ISSN United States (Online) #1938	International Journal of Architectural Engineering(IJAR),I.F @2.1 –Qatar-UAE

			7806 Accepted	
8.	Prof. N.N.Shinde, V. Dafe	November 11-19, 2012	Design, development & performance evaluation of concentrating monoaxial scheffler technology for solar thermal water heating and low temperature industrial steam application." –Accepted  November 11-19, 2012	International Conference on Renewable Energy Research and Applications (ICRERA) –Nagasaki –Japan .
9.	Prof. N.N.Shinde , Narewadikar et.al.		Comparison of Study and Evaluation of Anonym between Food Extraction Grid of Leaf and Current Extraction of Screen Printed Thick Film Metallization on Polycrystalline Solar Cells  <b>VOL2 issue 2 , ISSN 2277-3258</b>	27th EU PVSEC at. WIP EU PVSEC Communications Sylvensteinstr. 2 81369 München, Germany
10.	Prof. N.N.Shinde & A Desai	April 2012	Review of screen printable thick film metallization pastes and current extraction mechanism for industrial silicon solar cells”	3 <sup>rd</sup> World Renewable Energy Technology Congress-2012 at New Delhi, India.
11.	Prof. N.N.Shinde , A Desai	2011	Performance Evaluation & Analysis of Low Cost Parabolic Dish Type Solar Collector for Domestic & Industrial Heating Application,.	ISES SWC, “Solar World Congress2011-Germany”, 2011
12.	Prof. N.N.Shinde , Mrs Kale	2011	Implementation of prototype device- off grid- charge controller-suitable for wind solar hybrid system.	<b>International Conference on Advance Research on Mechanical Engineering”, ICARME, 2011</b>
13.	Prof. N.N.Shinde ,	2011	Green Project Management, “International Congress on Energy and Environment Engineering and Management	Dept. of solar energy –ESELCA – France, 2011.
14.	Prof. N.N.Shinde et.al.	2011	Performance Evaluation & Analysis of Low Cost Parabolic Dish Type Solar Collector for Domestic & Industrial Heating Application,	ISES SWC, “Solar World Congress2011-Germany”, 2011.
15.	Prof. N.N.Shinde et.al.	2011	Performance Evaluation of Parabolic Dish Type Solar Collector for Industrial Heating Application,.	INCOTEE, KALASALINGAM UNIVERSITY, Tamilnadu, 2011
16.	Prof. N.N.Shinde et.al.	2011	Implementation of prototype device- off grid- charge controller-suitable for wind solar hybrid system	. <b>“International Conference on Advance Research on Mechanical Engineering”, ICARME, 2011.</b>

17.	Prof. N.N.Shinde et.al.	2011	Green Project Management, “International Congress on Energy and Environment Engineering and Management”,	Dept. of solar energy –France, 2011.
18.	Prof. N.N.Shinde et.al.	2011	Net zero energy concept, Ideal energy conservation tool for hospital building envelopes,.	Energy Tech2011, SUK-2011
19.	Prof. N.N.Shinde et.al.	2011	Led fixture an emerging trend is solar industries, ,	Energy Tech2011, SUK-2011.
20.	Prof. N.N.Shinde et.al.	2011	Green energy for rural application energy efficient lightning for modern building,	, Energy Tech2011, SUK-2011.
21.	Prof. N.N.Shinde et.al.	2011	Application of solar energy in green buildings, ,	, Energy Tech2011, SUK-2011.
22.	Prof. N.N.Shinde et.al.	2011	General aspects of building design on the basis of bioclimatic zone for achieving the thermal comfort to reduce energy consumption, ,	, Energy Tech2011, SUK-2011.
23.	Prof. N.N.Shinde et.al.	2011	Modeling for rural Renewable Energy System a step towards for self sufficiency	, “International conference on green tech-2011 –Dubai”, Dnydeep foundations,2011.
24.	Prof. N.N.Shinde et.al.	2010	Energy Conservation Means and Achievements at Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd Kolhapur through Energy Efficiency Calculations, “	National Conference,"R T H N-E, Vivekanand college & DYPatil University ,2010.
25.	Prof. N.N.Shinde et.al.	2010	Review Of Energy Balance In Dairyand Application of Bagasse as a alternative fuel for Green Energy at Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd Kolhapur, “	National Conference,"R T H N-E, Vivekanand college & DYPatil University ,2010.
26.	Prof. N.N.Shinde et.al.	2010	Review of Synchronization of Existing Wind Farm With Respect To Grid, “.	National Conference,"R T H N-E, Vivekanand college & DYPatil University ,2010
27.	Prof. N.N.Shinde et.al.	2010	Automatic Power Factor Controlling using Microcontroller, “National Conference,"R T H N-E, Vivekanand college & DYPatil University ,2010. “	National Conference,"R T H N-E, Vivekanand college & DYPatil University ,2010.
28.	Prof. N.N.Shinde et.al.		Review of Co-Generation/CHP and its prospects in Indian Sugar industry-A Case Study for Maharashtra, “	National Conference,"R T H N-E, Vivekanand college & DYPatil University ,2010.
29.	Prof. N.N.Shinde	2010	Technology route towards industrial	R T H N-E, Vivekanand college &

	et.al.		application of rear passivated silicon solar cells, "National Conference,"	DYPatil University ,2010.
30.	Prof. N.N.Shinde et.al.	2010	Net metering: A ongoing trend, need of future, "	R T H N-E, Vivekanand college & DYPatil University ,2010.
31.	Prof. N.N.Shinde et.al.	2010	Energy management techniques for improvement energy efficiencies for energy conservation at ditrict energy distribution centers, "	National Conference,"R T H N-E, Vivekanand college & DYPatil University ,2010.
32.	Prof. N.N.Shinde et.al.	2010	CDM in bagasse based co-generation- A casa study, "	National Conference,"R T H N-E, Vivekanand college & DYPatil University ,2010.
33.	Prof. N.N.Shinde et.al.	2010	Study and structural behavior of metallization in solar cells, "National Conference,"	R T H N-E, Vivekanand college & DYPatil University ,2010.
34.	Prof. N.N.Shinde et.al.	2010	Thermal Energy Status and Prospects For India, "National Conference,"	R T H N-E, Vivekanand college & DYPatil University ,2010.
35.	Prof. N.N.Shinde et.al.	2010	Green energy for rural electrification, "	National Conference,"R T H N-E, Vivekanand college & DYPatil University ,2010.
36.	Prof. N.N.Shinde et.al.	2010	Structural And Optical Properties Of Nanocrystalline Cdse And Al:Cdse Thin Films For Photo electrochemical Solar Cell Application, "	National Conference,"R T H N-E, Vivekanand college & DYPatil University ,2010.
37.	Prof. N.N.Shinde et.al.	2010	Small Wind machines for Large Utility Applications, "	National Conference,"R T H N-E, Vivekanand college & DYPatil University ,2010.
38.	Prof. N.N.Shinde et.al.	2010	Integrated modeling by multiobjective design and optimization of urban energy system, "	National Conference,"R T H N-E, Vivekanand college & DYPatil University ,2010.
39.	Prof. N.N.Shinde et.al.	2010	Integrated energy technologies in building construction with special reference to zero energy concept,	RENEWTECH INDIA, Mumbai,2010.
40.	Prof. N.N.Shinde et.al.	2010	Energy Management in foundry industry	, "Power ON", ISES, 2010.
41.	Prof. N.N.Shinde et.al.	2009	Wind energy scenario and prospects in Maharashtra,	ICEEE, MITR, PUNE, 2009.
42.	Prof. N.N.Shinde et.al.	2009	Review nuclear power scenario in India with respect to energy modeling,	ICEEE, MITR, PUNE, 2009.
43.	Prof. N.N.Shinde et.al.	2009	Small Wind machines for Large Utility Applications,	ICEEE, MITR, PUNE, 2009.

44.	Prof. N.N.Shinde et.al.	2009	Review of Co-Generation/CHP and its prospects in Indian Sugar industry-A Case Study for Maharashtra ,	ICEEE, MITR, PUNE, 2009.
45.	Prof. N.N.Shinde et.al.	2009	Energy Conservation Means and Achievements at Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd Kolhapur through Energy Efficiency Calculations,	ICEEE, MITR, PUNE, 2009.
46.	Prof. N.N.Shinde et.al.	2009	Study & Analysis of Energy Management Techniques for Street Light-- A Case Study for-Ulhasnagar Municipal Corporation, Dist. – Thane,	CRED, D.Y. Patil University, 2009.
47.	Prof. N.N.Shinde et.al.	2009	Modeling district energy distribution system for least load shedding,	CRED, D.Y. Patil University, 2009.
48.	Prof. N.N.Shinde et.al.	2009	Integrated energy policy and its shortfalls - a review, CRED, D.Y. Patil University, 2009	CRED, D.Y. Patil University, 2009.
49.	Prof. N.N.Shinde et.al.	2009	Review Of Global Off shower Wind Power-Challenge For The Future Renewable Energy, CRED, D.Y. Patil University, 2009	CRED, D.Y. Patil University, 2009.
50.	Prof. N.N.Shinde et.al.	2009	Study And Analysis Of Energy Management For HAVC And Lighting Systems For Public Building - CASE STUDY, CRED, D.Y. Patil University, 2009	CRED, D.Y. Patil University, 2009.
51.	Prof. N.N.Shinde et.al.	2009	Study And Analysis Of Energy Management For Street Light - Case Study, CRED, D.Y. Patil University, 2009	CRED, D.Y. Patil University, 2009.
52.	Prof. N.N.Shinde et.al.	2009	Design, Development, Manufacturing and testing of small Wind Mill, CRED, D.Y. Patil University, 2009	CRED, D.Y. Patil University, 2009.
53.	Prof. N.N.Shinde et.al.	2009	Review of Geothermal Energy, CRED, D.Y. Patil University, 2009	CRED, D.Y. Patil University, 2009.
54.	Prof. N.N.Shinde et.al.	2009	Improvement un energy efficiency in foundry industry using EMP and EC, CRED, D.Y. Patil University, 2009	CRED, D.Y. Patil University, 2009.
55.	Prof. N.N.Shinde et.al.	2009	Solar cylindrical parabolic trough TWRT compressed air system in TEKSON LTD THANE- A CASE STUDY, CRED, D.Y. Patil University, 2009	CRED, D.Y. Patil University, 2009.
56.	Prof. N.N.Shinde	2009	Management and conservation through energy audit w.r.t. compressed air system	CRED, D.Y. Patil University, 2009.

	et.al.		in industry- TEKSON LTD THANE- A CASE STUDY, CRED, D.Y. Patil University, 2009	
57.	Prof. N.N.Shinde et.al.	2009	Study and improvement in existing boiler burner at GOKUL DAIRY with perspective of energy, CRED, D.Y. Patil University, 2009	CRED, D.Y. Patil University, 2009.
58.	Prof. N.N.Shinde et.al.	2009	Use of renewable energy- solar water heating system for effluent treatment plant in industry, CRED, D.Y. Patil University, 2009	CRED, D.Y. Patil University, 2009.
59.	Prof. N.N.Shinde et.al.	2009	Poly-generation Energy System, CRED, D.Y. Patil University, 2009	CRED, D.Y. Patil University, 2009.

**17. Participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies**

Year	workshops	seminars	Conferences
2009-10	2		
2010-11			
2011-12	1		
2012-13	1		
TOTAL			

**Workshops attended (list)**

1. One day workshop conveyed by Department of Energy Technology to promote non conventional energy uses, especially industrial applications and energy through waste .
2. Conveyor: Industrial Meet On Energy Conservation and Technology Transfer for Non conventional Energy, for Indian conditions—January 2009.
3. Conveyor: Energy beyond 2010 and Technology Transfer in the field of Energy Generation and Conservations –An International Meet proposed to be conveyed in May 2009 by Department Of Energy Technology.
- 4.Member committee –International conference on Nano materials and its applications to Energy technologies. organised by Department of Nano Science and Tech. 2012

**Conferences/Seminars/Symposiums attended (List)**

- 1.
- 2.
- 3.

**18. Participation in staff development programmes**

Programme	2009-10	2010-11	2011-12	2012-13
Refresher courses				

HRD programmes				
Orientation programmes				
Staff training conducted by the university				
Staff training conducted by other institutions				
Summer/Winter schools				

**Give details**

- a. Refresher courses
- b. HRD programmes
- c. Orientation programmes
- d. Staff training conducted by the university
- e. Staff training conducted by other institutions
- f. Summer/Winter schools, workshops, etc.

19. Programmes organized

S. No.	Name of Programme	Coordinator	Funding agency	Cost Rs.	Duration (Year)	No. of Participants