



---

**TEACHING / RESEARCH EXPERIENCE**

---

<b>Employer</b>	<b>Position</b>	<b>Period</b>	<b>Duties</b>
SATI, Vidisha	Professor	Aug 03 2008- till date	Teaching, Research & Administration
SATI, Vidisha	Asso. Prof.	Dec. 19, 1999-Aug 02, 2008	Teaching, Research & Administration
SATI, Vidisha	Lecturer	Aug. 29, 1989-Dec. 18, 1999	Teaching & Research

---

---

**ACADEMIC / MAJOR ADMINISTRATIVE ASSIGNMENTS UNDER-TAKEN TILL DATE (present and previous)**

1. Professor & Head, Department of Mechanical Engineering
2. Ex Dean, R&D, SATI Vidisha
3. Ex Examination Superindent SATI Vidisha
4. Ex Coordinator SATI Nodal Center RGPV Bhopal
5. Member BOS Mechanical Engineering RGPV Bhopal
6. Coordinator NBA Accreditation SATI Vidisha
7. Ex Coordinator, Training and Placement Cell
8. Ex Training & Placement Officer
9. Member, Proctorial Board
10. Ex Chairman PG Admission Committee SATI

11. Member Selection Committee SATI
  12. Member, Board of Studies of Mechanical Engineering the institute i.e. SATI Vidisha
  13. Chairman, UFM committee of autonomy cell
  14. Member, Proctorial Board
  15. Member, confidential works in Autonomy examination
  16. Member, UFM committee of Autonomy Cell
  17. Member, Academic Affairs Committee
  18. Member, Governing Body (GB)
  19. External member for RDC meeting
  20. Expert, Research and Recognition Committee (RRC) for BoS in Mechanical Engineering
- 

## **CONSULTANCY ACTIVITIES**

---

1. Co-Coordinator - Industrial Testing and Consultancy Centre and Undertaken consultancy assignments of local Industries. (From 1995-2001)
  2. Rural Development Training
  3. Run Several Training under Pradhan Mantri Rojgar Yojna (PMRY)
  4. DST Projects : Established Entrepreneurship Development Cell (EDC) in the Institute by submitting proposal to NSTEDB (DST) New Delhi.
  5. AICTE sponsored MODROB project titled “Modernization of Refrigeration and Airconditioning Laboratory Rs.8.0 Lac in Financial Year 2001-2005.
- 

## **LABORATORY DEVELOPMENT**

---

1. Refrigeration & Airconditioning Laboratory
2. Thermodynamics Laboratory
3. Steam Engineering Laboratory
4. Heat & Mass Transfer Laboratory
5. I.C. Engine Laboratory

---

**PUBLICATIONS**

: Refer Annexure No. I for Details of  
Research publication Work

---

**RESEARCH GUIDANCE**

1. Co guided one PhD
  2. Co guide Three Scholars registered at Barakatullah University Bhopalo
  3. Guided PG project work
  4. Guided B.E. Final Year Level major project Work
  5. Sun Microsystem certification JAVA@ programming 2001.
  6. Computer Software development project guided.
- 

**MEMBERSHIP IN SCIENTIFIC AND PROFESSIONAL SOCIETIES**

- 
1. Life Member ISTE, New Delhi., India
  2. Life Member ISME, New Delhi. India
  3. Registered Member ASHRAE
  4. Life Member, M.P. Rose Society Bhopal, India
  5. Life Member, Indian Red Cross Society, India
  6. Life Member, SATI Vigyan and Takniki Parishad, Vidisha, India

**COURSES TAUGHT**

---

1. Refrigeration & Air conditioning
2. Thermodynamics
3. Gas Dynamics

4. I C Engine
  5. Applied Thermodynamics
  6. Stem Engineering
  7. Engineering Graphics
  8. Heat & Mass Transfer
  9. Computer Programming
  10. DBMS
  11. Power Plant Engineering
  12. Non conventional Sources of Energy
  13. Energy Audit and Management
- 

### **OTHERS**

---

1. Attended National and International Conferences.
2. Attended FDPs and short term training programs.
3. Delivered expert talk/lectures at other engineering colleges.
4. Editor, conference proceedings at SATI vidisha.
5. Member, Academic/Administrative committees.

**Date :**

**Place :**

**( SANJAY KATAREY)**

## Thesis Co Supervision

---

### PhD Thesis

S. No.	Name of Candidate	Title of Thesis/Dissertation
1.	R M Saxena	Study of factor analysis of vendor selection and outsourcing in supply chain management for manufacturing and hardware industries. (Awarded)
2.	Kamlesh Sharma	awarded
3.	N M Vyas	Registered. Title yet to be finalized
5	Vipin Mehta	Ongoing

---

### **SUMMER/WINTER SCHOOL CONFERENCES, WORKSHOPS, SEMINAR ATTENDED**

---

1. "Laboratory Innovation Workshop", S.A.T.I. Polytechnic, Vidisha (July 27-29, 1987)
2. "Laboratory Innovation and Laboratory Manual Preparation Programme", S.A.T.I. Poly. Vidisha. (Jan 9-11, 1989)
3. "Laboratory Innovation and Laboratory Manual Preparation Programme", S.V. Poly. Bhopal (June , 1989)
4. "Training Programme in Entrepreneurship Development for Science & Technology Teachers", CEDMAP, Bhopal. (Oct 17-29, 1994)
5. "Mechanical Engineering in Knowledge Age", 14<sup>th</sup> ISME International Conference on Mechanical Engineering in Knowledge Age", held at Delhi College of Engineering, Delhi (India) Dec. 12-14, 2005.
6. International conference on "Management of IT & Infrastructure for flexibility and competitiveness (GLOGIFT 05), organized by Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal (M.P.) on December 27-30, 2005.
7. National Conference on "Recent trends in soft computing and network" organized by Lakshmi Narain College of Technology Bhopal March 26-27 2010.

8. Workshop on “Advanced in Energy Engineering and Technology” organized by Indian Institute of Technology BHU Varanasi June 28-30 2013.
  9. National Conference on “ Recent trends in manufacturing and information systems ” at SATI, (Degree), Vidisha April 26-27, 2013.
  10. National Conference on “ Recent trends on production and mechanical engineering” at SATI, (Degree), Vidisha Dec 21-22, 2013. (as co chairman)
  11. TEQIP Sponsored One week training program on “Recent Trends and Challenges in Thermal Engineering” at SATI, (Degree), Vidisha from April 01 – 05, 2015
  12. Two week STTP on Thermodynamics (spread over one semester) July16,2015 to Dec21,2015 organized by Indian Institute of Technology Mumbai.
  13. International Conference on Mechanical, Energy and Power Systems, 20-21 January 2017, at OIST Bhopal
-

## Annexure 1

### List of publications

Sl. No.	Title of Paper/Report/Book	Author(s)	Name, Volume, number of Journal, and Year of publication.
1.	Structural Changes requested is technical education with special reference to polytechnic education	Kale J.K., Katarey Sanjay	National Seminar on qualify education of SATI Vidisha 26-27, jan. 1996
2.	New technical institute and Curriculam development	Katarey Sanjay, Parashar J.	ISTE 28 <sup>th</sup> Annual convention , Ludhiyana. Nov. 1998
3.	Integration of Evaporative cooling Techniques for Environment friendly Air-conditioning System.	Katarey Sanjay and Gupta R.L	International Conference on Emerging Technology (ICET 2004) Kalinga Institute of Industrial Technology (Deemed University) Bhubneshwar 18 to 20 Dec 2004.
4.	Psychrometric analysis of Evaporative cooling techniques for year round air-conditioning.	Katarey Sanjay and Gupta R.L	ADIT Journal of Engineering Dec 2005 pp 23-26.
5.	Energy Simulation Programs for Efficient Cooling System.	Katarey Sanjay and Gupta R.L	Proceedings of 14 ISME International conference on Mechanical Engineering in new age. Organized by Delhi College of Engineering Dec 12-14 2005-pp 639-644.
6.	Advanced Production Management- An Approach towards Lean Manufacturing: A Case Study	Raman Dangi, Sanjay Katare et al	National Conference on Advances in Mechanical Engineering, Engineering College Kota. 18-19 March 2006 pp28.
7.	An Exploratory Study to Improve the	G. Suresh Babu, Sanjay Katare et al	National Conference on Advances in Mechanical Engineering, Engineering



	Implementation of Flexibility Manufacturing System.		College Kota. 18-19 March 2006 pp28
8.	Performance Evaluation of Manufacturing System Using Queuing Model	G D Singh and Sanjay Katarey	Proceedings of National Conference on Emerging Technological Trends Organized by VNS Institute of technology Bhopal. March 2010
9.	Supplier Selection Methods in Manufacturing Industries	Ravindra Mohan, Dr. Sanjay Katare et al	International Journal of Multidisciplinary Research and Advances in Engineering (IJMRA) Volume 2 No III/IV 2010.
10.	E-Business in Supply Chain Management	Ravindra Mohan, Dr. Sanjay Katare et al	International Journal of Multidisciplinary Research and Advances in Engineering (IJMRA) Volume 2 No II/III/IV 2010.
11.	Soft Computing based Knowledge Management in Education	Pankaj Agarwal and Sanjay Katarey	Presented in National Conference on Recent Trends in soft computing and network at LNCT Bhopal. March 2010
12.	Knowledge Management in e-Learning	Pankaj Agarwal and Sanjay Katarey	Presented in National Conference on Recent Advances in performance enhancement Techniques at LNCT Bhopal. March 2010
13	Impact Ionization Effects on Propagation of a Millimeter Wave in GaAs	Rajendra Pathak, J. Parashar and Sanjay Katarey	Journal of Pure Applied and Industrial Physics Vol. 1 (2) pp 121-126 -2011
14	Self Focusing of Two Co-Propagating Laser Beam in an Optical Fiber	Rajendra Pathak, J. Parashar and Sanjay Katarey	Journal of Engineering science and Management Education Vol. 4 pp 118-121 2011
15	Analytical Hierarchical Process A Methodology for the Best Selection among Various Choice in Marketing and Operation.	Ravindra Mohan, Dr. Sanjay Katare et al	International journal of Engg Research and Industrial Appls. Vol 4 No II pp 33-44 2011

16	Value Chain Analysis in Industry Development Interventions.	Ravindra Mohan, Dr. Sanjay Katare et al	International Journal of Multidisciplinary Research and Advances in Engineering (IJMRA) Volume IV April 2012 pp 13-24.
17	Quality Management and Lean Manufacturing.	Ravindra Mohan, Dr. Sanjay Katare et al	International journal of Engineering Research and Industrial Applications. Vol II pp 271-279 Dec. 2012
18	Emerging Trends in Renewable Resource in India	Chander Pal Singh, Sanjay Katarey	Proceedings of Workshop on advances in Energy Engineering Indian Institute of Technology Varanasi pp 97-105 Jun 26-28 2013.
19	Reduction of Welding Defects using Six Sigma Techniques	Shashank Soni, sanjay katarey et al	International Journal of Mechanical Engineering and Robotics Reaserch Vol 2, No 3, July 2013
20	Optimization of submerged Arc Welding Process using Six Sigma Tools	Shashank Soni, sanjay katarey et al	International Journal of Mechanical Engineering Reaserch Vol 3, Issue 3, May-June 2013 pp1690-1696.
21	Forced Convection Heat Transfer Analysis through Different Channels.	Pankaj Sonkusare, Sanjay Katarey et al	Indian Journal of Applied Research Vol 3 Issue 8 August 2013
22	The production of biodiesel using conventional stirring method	Sachin Sharma ,Sanjay Katarey et al	International Conference on environment and energy at Jawahar lal technological university Hydrabad Oct2014
23	Analyzing a case of vendar selection model for Indian industries of all categories through known procedure of AHP.	Ravi mohan Sanjay Katarey	23 International Conference on Multiple Criteria Decision Making to be held 2-7 aug 2015 at Helmut –Schmidt-University Hamburg Germany

24	Performance Improvement of Air Conditioning System using Applications of Evaporative Cooling: A Review Paper	Kamlesh ku. Sharma , R.L. Gupta , Sanjay katarey	SSRG International Journal of Thermal Engineering (SSRG-IJTE) volume 2 Issue5 September to October 2016 2/2016/1-5 pp 2395-2400
25	Comparative Analysis on Performance of a Forced Draft and Natural Draft Counter Flow Cooling Tower	Kamlesh ku. Sharma, R.L. Gupta , Sanjay katarey	Presented in International Conference on Mechanical, Energy and Power Systems, 20-21 January 2017, at OIST Bhopal
26	A Review of Vapour Compression Refrigeration System With Evaporative Cooling condenser	Kamlesh ku. Sharma, R.L. Gupta , Sanjay katarey	Presented in National Conference on Innovative Research in Engineering and Science,16 <sup>th</sup> Feb 2017, at SATI Vidisha
27	Carbon Dioxide using as an Alternative Refrigerant in Air Conditioning System	Kamlesh ku. Sharma, R.L. Gupta , Sanjay katarey	Presented in National Conference on Innovative Research in Engineering and Science,16 <sup>th</sup> Feb 2017, at SATI Vidisha

---