



# ***RESUME***

## ***Shrikant Sadashiv Katre***

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### ***Research Interests***

*Pico Hydro Generation, Energy Management, Energy Audit, Electrical Maintenance.*

### ***Courses Offered***

- *Electrical Circuit Analysis.*
- *Power System Analysis and Control*
- *Electrical Machine Design*
- *D.C. Machines and Transformers*
- *Linear Integrated Circuits*
- *Digital Electronics*
- *Instrumentation Techniques*
- *Number of UG Projects guided – 04*

### ***Memberships***

***ISTE – Life Member for Indian Society for Technical Education New Delhi, LM 21624***

***AMIE- Life Member for Institute of Engineers Kolkata, AM091450-1***

***MIE- M-141641- 8***

### ***Publications***

- “Effect of excitation capacitor on the performance of a self excited induction generator” International Journal of Emerging Technologies and Applications in Engineering, Technology and Sciences. (IJ-ETA-ETS) January 2010, PP 722-725 ISSN: 0974-3588
- Design and fabrication of a small prototype water wheel for small hydro generation project International Journal of Computer applications in Engineering, Technology and sciences (IJ-CA-ETS) April '10-Sept. '10 2010 VOL 2 Issue 2 PP 516-518 ISSN: 0974-3596
- “Operating an induction motor as a self excited induction generator” Proceedings of 23<sup>rd</sup> National convention of electrical engineers, Institution of Engineers (India) November 2007, pp 35-37
- Pico Hydro-Case study of induction generator in C-2C configuration, “ International journal of scientific and Technology research, Vol-1 issue -1, Nov. 2012

### ***Conference Proceedings***

- Shrikant Sadashiv Katre and Anup Chandrashekhar Joshi 2009, Micro Controller Based Terminal Voltage Regulation of An Isolated Self Excited Induction Generator Using Excitation Current Control Scheme, National conference on Recent Trends in Energy, PVPIT Budhagaon, Sangli (Apr 24), pp 1-4
- Y.R.Atre and S.S. Katre,. Series compensation on 220 KV line National seminar on capacitors. Central Board of Irrigation and Power, Delhi. Proceedings 2001
- Y.R.Atre and S.S. Katre 2001, Compact Substations and Gas Insulated Switchgears, International Seminar on Compact Substations and Gas Insulated Switchgears. Central Board Of Irrigation and Power, New Delhi Proceedings 18-19 January, PP 39-50
- S.S.Katre 2007, Operating an Induction Motor As a Self Excited Induction Generator, 23<sup>rd</sup> National Seminar on Challenges In Electricity Sector Under Deregulated Environment. The Institution Of Engineers (India) Pune Nov 23-24 PP 35-37
- S.S. Katre. Micro hydro generation National conference on emerging technologies, Computer science department of Saurashtra University 2006
- S.S. Katre, Micro and pico hydro generation, a possible solution for present power crisis in Maharashtra National conference on Recent trends in Energy engineering and Management.
- S.S. Katre, A.C. Joshi, Induction generator in C-2C configuration- A case Study, International conference on Recent Trends in Engineering, at Jaysingpur, Sangli 2010

### ***Books Authored***

- ‘Electrical Engineering’: Technova Publications Pune , 2000.
- ‘Electrical Technology’ : Technova Publications Pune , 2000
- ‘Instrumentation and Control System’: Technova Publications Pune , 2000

## **UG Projects Guided: 04**

### **Academic Background**

- **Ph.D.** Registered in Jan 2008, Electrical Engineering, Shivaji University Kolhapur.
- **M.E Electrical (Power System).**, in 2002, 74% Shivaji University Kolhapur.
- **AMIE (Electrical)**, 1998 **Institution Of Engineers India**, Kolkata
- **DEE (Electrical)**, 1972 MSBTE Mumbai.
- **DME (Mechanical)** 1977 MSBTE Mumbai.
  
- **Work Experience**
- Assistant Professor at Vidya Vikas Pratishthan college of engineering and technology, Solapur
- Professor In Electrical Department and Vice Principal (Academics)
- In-charge Principal for nine months. Annasaheb Dange College of Engineering and Technology, Ashta
- Lecturer College of Engineering Pandharpur.
- Visiting lecturer at Walchand college of Engineering Sangli.
- Visiting lecturer at Padma Bhushan Vasantdada Patil Institute of technology, Budhgaon.
- Lecturer Lathe Polytechnic Sangli
- Electrical Engineer at Tunga Alloys Ltd. Kupwad Sangli.
- Electrical Engineer at 'Marathe Textile Mills' Miraj.
- Assistant Foreman at "Mahindra Ugine Steel Company" Khopoli
- Electrician at "Qatar Steel Company" Qatar
- Supervisory Assistant at "Mahindra Ugine Steel Company" Khopoli.
- Electrical Supervisor at "Garware Nylons Ltd" Pune.

### **Awards and Honors**

- 100% Result for the subject taught Award, received from Sant Dnyaneshwar Shikshan Sanshta, Islampur, 2008.
- Best Teacher Award received at "Annasaheb Dange College of Engineering and Technology" Ashta 2005.
- Best Suggestion Award, received at Qatar steel Company Qatar.

### **Other Responsibilities**

- **Coordinator for NBA accreditation for the program in Electrical Engineering**
- **Head of the Department**, Electrical Engineering, Annasaheb Dange College of Engineering & Technology Ashta, since 12<sup>th</sup> July 2004 to 30 August 2007.
- **Administrative Dean** from 2007 to 2008.
- **In-charge Principal** at Annasaheb Dange College of Engineering and Technology Ashta from Sept. 2008 to April 2009.
- **Vice Principal (Academics)** at Annasaheb Dange College of Engineering & Technology Ashta

### ***Continuing and Distance Education Programs attended***

- 2009, December 8 – 12, MHRD/AICTE Sponsored Short Term Training Program on “**Modeling and Simulation in Applied Sciences and Engineering**” Organized by ABV-Indian Institute of Information Technology & Management, Gwalior (1 Week).
- 2009, November 30 –December 4, ISTE approved STTP on “**Advanced Techniques in Energy Management**” organized by Department of Mechanical Engineering, Annasaheb Dange College of Engineering and Technology, Ashta, Sangli (1 Week)
- 2009, June 17 – July 1, AICTE sponsored Staff development program on ‘**Non-Conventional Energy Sources and Direct Energy Conversion Systems**’ organized by Roland Institute of Technology, Berhampur, Orissa (2 Weeks).
- 2009 May 11-13, **Faculty Development Program ‘Dr. Henk Eijkman’s Out-comes Based Teaching Learning Methods**’, Annasaheb Dange College of Engineering & Technology, Ashta, Sangli. (3 Days).
- 2009 April 20<sup>th</sup>, National Conference on ‘**Recent Trends in Energy**’ at Padmabhooshan Vasantraodada Patil Institute of Technology, Budhagaon Sangli (1 Day).
- Development Program ‘**Hands-on Training in Engineering Tools Using Free Software**’, AICTE Sponsored, Department of Electronics & Communication Engineering NSS College of Engineering, Palakkad, Kerala (2 Weeks).

### ***Contact Information***

24, Siddhi Vinayak Society, Vijay Nagar, Post: Wanless Wadi, Sangli 416414, Maharashtra State  
Email: [shrikantkatre@gmail.com](mailto:shrikantkatre@gmail.com), Cell Phone: 0091 9860950802

### ***Personal Details***

Date of Birth: 26<sup>th</sup> December 1952  
Post: Solapur, Dist: Solapur. Maharashtra, India

### ***As Vice Principal (Academics), responsibilities include:***

- Preparation and implementation of Academic Calendar.
- Monitoring of lectures
- Approving load allotment and time tables.
- Monitoring the attendance records, lab manuals and course files.
- Organize annual gathering, college magazine, student and faculty oriented programmes.
- Analysis of student feedback and initiating corrective actions.
- Monitor activities of student counseling cell and initiate necessary steps to improve the attendance of the students.
- Monitor the entries in faculty dairies.
- Sanction Library purchases.
- Encouraging the staff and students to participate in national and international paper presentation activities.
- To ensure smooth conduct of class tests, mid term exams and semester exams.