



**Mrs. S.D.Khandagale**  
sdkhandagale@vpmthane.org

**Contact Details:**  
**Sr. Lecturer**  
**Instrumentation**

VidyaPrasarakMandal'sPolytechnic,CollegeCampus,ChendaniBunderRoad,  
Thane-400601(MS)

**Tel. No.(off.)** 022-2536 44 94 **MobileNo.:** 9320212555

#### **Academic Credentials:**

- **Pursuing PhD** in Electronics Engineering (Spec. in Artificial Intelligence), DattaMeghe College of Engineering, Airoli, Mumbai University.
- **ME in Instrumentation** from RamraoAdikInstituteof Technology, Nerul, Navi Mumbai-2016-Distinction
- **B.E Instrumentation** from CUMMINS Collegeof Engineeringfor women, Pune1997-First Class
- **Diplomain Instrumentation** from V.P.M's Polytechnic, Thane1994-FirstClass

#### **Topics of Interest:**

Artificial Intelligence, Process Instrumentation, Automation, ImageProcessing

#### **WORKING EXPERIENCE**

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Period : 33 Months of work experience (From July 1997 to 20<sup>th</sup> March 2000)  
Designation : Design Engineer (Project & Automation Division)  
Organisation : M/s Supertech Instrumentation Services (I) Pvt. Ltd. Thane.

Period : 4 Months of work experience (From 21<sup>st</sup> March 2000 to 13<sup>th</sup> July 2000)  
Designation : Proposal Engineer (Delta V Division)  
Organisation : M/s Fisher Rosemount Ltd. Belapur.

Period : 23 Years of work experience (From 14<sup>th</sup> July 2000 till date)  
Designation : Lecturer in Instrumentation department  
14 July 2000 to 31<sup>st</sup> May 2009 (Adhoch)  
1<sup>st</sup> July 2009 to till date (Permanent)  
Sr. Lecturer in Instrumentation department  
1<sup>st</sup> July 2023 to till date (Permanent)

Organisation : VPM's POLYTECHNIC THANE.

#### **Technical Papers presented at State, National and International Conferences:**

<b>Sr. No.</b>	<b>Paper Title</b>	<b>Conference</b>	<b>Date</b>
<b>1</b>	<b>Trends in the field of Energy Conservation</b>	Rajiv Gandhi Renewable Energy Day (State Level), Emerging Trends in the field of Energy Conservation, V.P.M's Polytechnic Thane <b>Won 2<sup>nd</sup> Prize</b>	19 <sup>th</sup> August 2006
<b>2</b>	<b>Initial Face of Automation- PLC</b>	THINKQUEST 2009, Babasaheb Gawde Institute Of Technology, Mumbai.	14 <sup>th</sup> March 2009
<b>3</b>	<b>Overview and Advancement in Endoscopy</b>	Advancement in Medical Instrumentation, 8 <sup>th</sup> National Conference, V.P.M's Polytechnic Thane.	19 <sup>th</sup> September 2009

4	<b>Future Trends of Instrumentation in Intrinsic Safety</b>	Safety Practices for Peace Productivity and Profit, 9 <sup>th</sup> National Conference, V.P.M's Polytechnic Thane.	10 <sup>th</sup> October 2009
5	<b>Higher Order Thinking</b>	Broader Perspective of Language, Thinking and Technology, 10 <sup>th</sup> National Conference, V.P.M's Polytechnic Thane.	3 <sup>rd</sup> July 2010
6	<b>Nano-technology and Innovations for Non Conventional Energy Sources</b>	NASCENT TRENDS in INFORMATION and COMMUNICATION TECHNOLOGIES (equinox -2010), Terna Engineering College, Navi Mumbai.	17 <sup>th</sup> and 18 <sup>th</sup> September 2010
7	<b>Rainwater Harvesting: Grab hold of Water Where it Falls!</b>	International Conference on Emerging Technologies for Sustainable Environment. Department of Civil Engineering. Z.H. College of Engineering & Technology, Aligarh Muslim University, Aligarh India. Pg 438	29-30 <sup>th</sup> October 2010
8	<b>Latest Advancement in Industrial Automation</b>	Advances in Engineering, Technology and management – Zenith 2011, Fr. Agnel Polytechnic Vashi.	14 <sup>th</sup> -15 <sup>th</sup> October 2011
9	<b>Overview of Modern Drives Used in Process Industries</b>	Tantra Urja, B.L. Patil Polytechnic Khopoli	15 <sup>th</sup> September 2012
10	<b>An Intelligent Approach for Motor control Centre (MCC)</b>	Vision 2015, National level Conference on Emerging trends in Technology at BVIT-Navi Mumbai <b>Received Best Paper Award</b>	7 <sup>th</sup> March 2015
11	<b>Illumination variation for object using Sparse Non Negative Matrix Factorization</b>	3 <sup>rd</sup> International Conference on “ Computing for Sustainable Global Development” BVICAM, New Delhi (India)	16 <sup>th</sup> – 18 <sup>th</sup> March 2016
12	<b>Analysis for Visual Tracking via CONMF and PCA</b>	International Journal of Advance Research in Science and Engineering. (Vol. No. 5, Issue No. 8, August 2016 )	7 <sup>th</sup> August 2016
13	<b>Home Automation with Smart Security using IoT based system</b>	International Journal of Current Engineering And Scientific Research (IJCESR), Volume-7, Issue-11, ISSN (Online): 2394-0697, ISSN (PRINT): 2393-8374, (ONLINE): 2394-0697, VOLUME-7, ISSUE-11, 2020	November 2020
14	<b>Overview of Smart Spectacles For Preventing Road Accidents</b>	International Research Journal of Modernization in Engineering Technology and Science, Volume:05/Issue:07/July-2023 Impact Factor-7.868 www.irjmets.com	7 July 2023

### Book/Journal Publications

Book titled "ELECTRONICS" second semester IF and CO Diploma students of MSBTE. S.CHAND's Publication, New Delhi.

## **Membership of Professional Bodies**

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Indian Society for Technical Education (ISTE)  
VIBHA Life-Membership

## **Recognition & Awards**

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- Second Prize for paper “Trends in the field of Energy Conservation” - Rajiv Gandhi Renewable Energy Day (State Level), Emerging Trends in the field of Energy Conservation, V.P.M's Polytechnic Thane
- First Prize for paper “Intelligent Approach for Motor Control” - National Conference Vision-2015 at BVIT, Kharghar, Navi Mumbai.
- Project “PLC Hardware” guided in year 2000 was selected for Dipex
- “Gesture Controlled Robot” in year 2013-14 won third rank respectively in the best project competition of “ISTE-Narsee Monjee Best Project work done by Polytechnic students of Maharashtra State”.

## **Accomplishments**

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**Examiner at Advance Training Institute (ATI), Sion, Mumbai.**

**Conducted training program for the operators at Colour Chemat Roha and Gharda Chemicals Ltd. at Chiplun.**

**Conducted training program for the fresh Graduate Engineers at L&T Madh Mumbai**

**Conducted training program for TECHNICIANS at Indofil Ltd. Thane**

### **Conferences Organized**

9<sup>th</sup> One Day National Conference “Safety Practices for Peace, Productivity and Profit”

11<sup>th</sup> One Day National Conference “Technology – A Strategy for Safety in Infrastructure”

17<sup>th</sup> One Day National Conference “Industry Expectation from Safety Managers”

18<sup>th</sup> One Day National Conference “Life Safety – Today and Tomorrow”

21<sup>st</sup> One Day National Conference “Road to Health and Safety through Environment Protection”

24<sup>th</sup> One Day National Conference “Smart Technologies in Occupational Health, Safety and Environment”

Have worked as a member of curriculum development of Electronics group and Teacher's Guide preparation for Maharashtra State Board of Technical Education (MSBTE), Mumbai

Have actively taken part and written laboratory manuals for Maharashtra State Board of Technical Education (MSBTE) which are circulated in the state of Maharashtra.

Have worked as Chairman for External Monitoring for Non AICTE courses for Maharashtra State Board of Technical Education (MSBTE)

Have worked as a member of Question bank development of Electronics group at Maharashtra State Board of Technical Education (MSBTE)

Currently **In-charge for Second year and First Year Admission**

**Mrs S.D. Khandagale**

**Sr. Lecturer**

**Instrumentation Department**

**V.P.M's Polytechnic Thane**