

RESUME

Personal Information

Name : Mrs.Vaishali A Joshi
Designation : Head of the department
Department : Automation and Robotics
Vidya PrasarakMandal's College of
Engineering/Polytechnic,
College Campus,Thane(W)-400601

Educational Qualification

- ❖ M.E (Instrumentation and Control)
- ❖ **B.E (Instrumentation)**

Experience

- ❖ Teaching
- ❖ 35 Years of Teaching

Presented papers in conferences

- ❖ Scenario of LED Lighting in India at National Conference on Luminescence and its applications, Nagpur-18-20 Feb 2016
- ❖ Development of RGB Tricolour phosphors for solid state lighting
National seminar on display materials-7-8 November 2014, Dept of Physics, PBN college, Nidubrolu, A.P
- ❖ Wireless Process Control- An overview
MPinnovation2013, 12 Jan 2013, ManoharPhalke Polytechnic, Mumbai
- ❖ Simulators in Medicine
National conference on Advancements in Medical Instrumentation-19th September, 2009, VPM's Polytechnic, Thane
- ❖ Wind Power generation Technology
Alternative Energy Sources- 27th August 2005, VPM's Polytechnic, Thane

Published papers in journals

- ❖ Applications of Power Electronics using AI Technology: Overview- International Journal for Multidisciplinary Research (IJFMR) peer-reviewed & Refereed journal
Impact Factor 8.021 Volume 6, Issue 4, July- August 2024
- ❖ Control Schemes and Control strategies for Distillation Column Control

International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control engineering

Peer-reviewed & Refereed journal Impact Factor 8.021-Volume 12, Issue 7, July 2024

- ❖ Instruments and equipment used in the modern cooling water system
- ❖ International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering Impact Factor 7.047-Vol. 10, Issue 3, March 2022
- ❖ Low Cost Microcontroller Based Decay Measurement System for Display Phosphors American Journal of Electrical and Electronic Engineering, 2014, Vol. 2, No. 6, 180-184

Conference attended

- ❖ Battery Electric Vehicle and Related technologies-16th April 2022
- ❖ National Conference on Sensors in Automation-19th to 20th Nov 2021
- ❖ National Conference on Technological innovations in Workplace safety-23rd to 24th April 2021
- ❖ Conference on Industry 4.0-28th and 29th October 2020
- ❖ Smart Technologies in Occupational Health Safety and Environment-21st December, 2019
- ❖ Next Generation Electronics-16th to 17th January 2015
- ❖ Industry expectations from safety managers-7th February 2015-
- ❖ National conference on Recent developments in material science and technology-11th October 2014- Arts, science and commerce college Koradi, Dist- Nagpur
- ❖ International conference Bhaskara 900-19th to 21st September 2014-
- ❖ National conference on Synthesis of materials: Characterization and application-31st January 2014- J.M. Patel Arts, commerce and science college, Bhandara
- ❖ Process Safety Management-4th January 2014-
- ❖ Emerging trends in Solar Technology-5th January 2013-
- ❖ National conference on Novel Materials and their applications-18th December 2010- N.S science and arts college, Bhadrawati
- ❖ Global Change-Impact on biodiversity, culture and technology-3rd to 5th Nov 2012- Sevadal Mahila Mahavidyalaya
- ❖ National workshop on Nanoscience and nanotechnology-12th March 2012- Christian college of engg and technology Bhilai
- ❖ Global Economic scenario- Impact on India-1st February 2019- B.N Bandodkar college of Science
- ❖ IoT-Reconnecting the world-22nd December 2018
- ❖ Multidisciplinary international conf on Green Earth: A panoramic view-12th to 13th January 2018- B.N Bandodkar college of Science
- ❖ Advancements in renewable energy technologies-22nd December 2017
- ❖ Progress and prosper through Entrepreneurs and Intrapreneuers-15th October 2011
- ❖ Future power systems for Green and Clean world-20th August 2011
- ❖ Broader Perspectives of Language, thinking and Technology-3rd July 2010
- ❖ Mind, Brain and Consciousness-14th and 15th January 2010- K.G. Joshi and N.G. Bedekar college of Arts and commerce
- ❖ Industrial Safety practices for Peace, Productivity and Profits-10th October 2009
- ❖ Advancements in Medical Instrumentation-19th September 2009

- ❖ Atomic Energy for National Development-4th July 2009
- ❖ Biometrics, RFID and Emerging technologies for automatic identification-10th January 2009
- ❖ Corrosion prevention through Advanced Technologies-18th October 2008
- ❖ Latest trends in Nanotechnology-5th January 2008
- ❖ Innovations in Safety, Health and Environment-3rd February 2007
- ❖ Geo Informatics-8th and 9th December 2006
- ❖ Alternative Energy Sources-27th and 28th August 2005
- ❖ Pollution in water bodies in urban areas-8th August 2004

Consultancy Projects

- ❖ Non-AICTE curriculum revision of 13 programmes(2024)
- ❖ Non-AICTE curriculum development of 19 programmes(2022)
- ❖ Non-AICTE curriculum revision of 7 programmes(2021)
- ❖ E-content generation for the subject Digital Techniques and Applications of MSBTE(2020)
- ❖ Non-AICTE curriculum development of 10 programmes (2019)
- ❖ Train the trainers- MSBTE I scheme orientation Programme for 3rd and 4th semester (2018)
- ❖ Indofil-VPM Certification programme coordinator-2017-18
- ❖ Co-ordinator for VPM-Northern college (Canada) tie up
- ❖ Learning resource development for MSBTE in the form of Curriculum development, Question Bank development, Lab Manuals etc.since 2002

Projects Grants received

- ❖ PMKVY- Instrumentation Technician (Control Valve)-Rs. 31824/-
- ❖ Equipment Donations
 - Supertech Instryumentation Services(I) Pvt. Ltd-Motor Based PLC Panel-worth Rs.5000/-
 - Siemens-Smart Level Transmitters-Worth Rs. 1,00000/-

Awards and Achievements

- ❖ Mr. Deep Shahane and his Team of TYIS won the first prize for their project Solar Powered vehicle for Transportation at MPCoE, Velneshwar (2024)
- ❖ Mentor for 1st Runner up prize for Smart India Hackathon, 2022
- ❖ E content development for MSBTE Portal for the course Digital Techniques and Applications of third semester. (2020)
- ❖ Core committee member for curriculum revision of “C”, “E”, “G” and “I” Schemes of MSBTE
- ❖ ISTE Narsee Monjee award for the best project work done by polytechnic students in Maharashtra state 2015, second prize for their project titled Thermostat life cycle test
- ❖ ISTE Narsee Monjee award for the best project work done by polytechnic students in Maharashtra state 2014, third prize for their project titled Accelerometer based gesture-controlled robot

Books/ Chapters published

- ❖ Review of book on Labview Programming concepts and examples- Penram International Publishers (2011)

Date : 3-3-2025

Place: Thane

Mrs.Vaishali Joshi