

RESUME

Personal Information

Name : Mrs Smita Deepak Khandagale
Designation : Assistant Professor
Department : Automation and Robotics
Vidya Prasarak Mandal's College of
Engineering/Polytechnic,
College Campus,Thane(W)-400601

Educational Qualification

- ❖ Pursuing PhD Mumbai University.
- ❖ ME Instrumentation
- ❖ B.E Instrumentation
- ❖ Diploma in Instrumentation

Experience

Sr. No.	Employer Name & Address	Service Period		Designation
		From	To	
1	VPM's College of Engineering Thane.	01/07/2024	Till date	Assistant Professor
2	V.P.M's Polytechnic Thane.	1/07/2023	Onwards	Sr. Lecturer
3		14/07/2000	30/06/2023	Lecturer
4	M/s Fisher Rosemount Ltd. Belapur.	21/03/2000	13/07/2000	Proposal Engineer (Delta V Division)
5	M/s Supertech Instrumentation Services (I) Pvt. Ltd. Thane.	01/07/1997	20/03/2000	Design Engineer (Project & Automation Division)

Presented papers in conferences

Sr.No	Paper Title	Conference	Date
1	Classification of Defects in Photovoltaic Cells from Electroluminescence Images using Advanced Deep Learning Techniques	2nd DMIHER International Conference on Artificial Intelligence in Healthcare, Education and Industry (IDICAIEI) Wardha India DOI: 10.1109/IDICAIEI61867.2024.10842697 Added to IEEE Xplore: 20 January 2025 Publisher: IEEE	29 th -30 th November 2024
2	Identification of microcracks and Hotspots Fault detection in Photovoltaic (PV) panel	National Conference “Futuristic Trends in Engineering and Applied Science” NCFTEAS-2024 Received Best Technical Session Award	12 th -13 th April 2024
3	Illumination variation for object using Sparse Non Negative Matrix Factorization	3rd International Conference on “Computing for Sustainable Global Development” BVICAM, New Delhi(India)	16 th – 18 th March 2016
4	An Intelligent Approach for Motor control Centre (MCC)	Vision 2015, National level Conference on Emerging trends in Technology at BVIT-Navi Mumbai Received Best Paper Award (First Prize)	7 th March 2015
5	Overview of Modern Drives Used in Process Industries	Tantra Urja, B. L.Patil Polytechnic Khopoli	15 th September 2012
6	Latest Advancement in Industrial Automation	Advances in Engineering, Technology and management –Zenith 2011, Fr. Agnel Polytechnic Vashi.	14 th -15 th October 2011
7	Rainwater Harvesting: Grab hold of Water Where it Falls!	International Conference on Emerging Technologies for Sustainable Environment. Department of Civil Engineering. Z. H. College of Engineering &Technology, Aligard Muslim University, Aligard India. Pg438	29 th -30 th October 2010
8	Nano-technology an Innovations for Non-Conventional Energy Sources	NASCENT TRENDS in INFORMATION and COMMUNICATION TECHNOLOGIES (equinox -2010), Terna Engineering College, Navi Mumbai	17 th and 18 th September 2010

9	Higher Order Thinking	Broader Perspective of Language, Thinking and Technology, 10 th National Conference, V.P.M's Polytechnic Thane.	3 rd July 2010
10	Future Trends of Instrumentation in Intrinsic Safety	Safety Practices for Peace Productivity and Profit, 9 th National Conference, V.P.M's Polytechnic Thane.	10 th October 2009
11	Overview and Advancement In Endoscopy	Advancement in Medical Instrumentation, 8 th National Conference, V.P.M's Polytechnic Thane.	19 th September 2009
12	Initial Face of Automation–PLC	THINKQUEST 2009, Babasaheb Gawde Institute Of Technology, Mumbai.	14 th March 2009
13	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 Received Second Prize	19 th August 2006

Published papers in journals

Sr.No	Paper Title	Journal	Date
1	Overview of Smart Spectacles For Preventing Road Accidents	International Research Journal of Modernization in Engineering Technology and Science, Volume:05/Issue:07/July-2023 Impact Factor- 7.868 www.irjmets.com	July 2023
2	Home Automation with Smart Security using IoT based system	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
3	Analysis for Visual Tracking via CONMF and PCA	International Journal of Advance Research in Science and Engineering. (Vol. No. 5, Issue No. 8, August 2016)	August 2016

Conference attended

Sr. No.	Date & Year	Name of Conference
1	1 st Mar 2025	Smart Materials and Manufacturing Trends in Engineering & Applied Sciences
2	24 th Feb 2024	"Legal Protection and Improvement of the Environment: Challenges and the Way Forward"
3	16 th Apr 2022	Battery Electric Vehicles & Related Technologies (Virtual Mode)
4	19 th & 20 th Nov 2021	Sensors In Automation (Virtual Mode)
5	23 rd & 24 th Apr 2021	Technological Innovations at Workplace Safety
6	27 th - 28 th Oct 2020	Industry 4.0
7	21 st Dec 2019	Smart Technology in Occupational Environment Health Safety-Conference and Awards
8	21 st Sept 2019	Emerging Trends in Artificial Intelligence and Big Data - A Journey into Future
9	15 th Dec 2018	IoT-Reconnecting the World
10	17 th Feb 2018	Road to Health and Safety through Environment Protection
11	22 nd Dec 2017	Advancement in Renewable Energy Technologies
12	17 th Dec 2016	Environment, Health & Safety
13	19 th Dec 2015	Life Safety - Today & Tomorrow
14	7 th Feb 2015	Industry Expectation from safety Managers
15	16 th & 17 th Jan 2015	Next Generation Electronic
16	4 th Jan 2014	Process Safety Management
17	5 th Jan 2013	Emerging Trends in Solar Technologies
18	15 th Oct 2011	Progress and Prosper through Entrepreneurs & Intrapreneurs
19	20 th Aug 2011	Future Power Systems for Green & Clean World
20	23 rd Oct 2010	Technology – a Strategy for Safety in Infrastructure

21	3 rd July 2010	Broader Perspectives of Language, Thinking and Technology
22	10 th Oct 2009	Safety Practices for Peace, Productivity and Profits
23	19 th Sept 2009	Advancements in Medical Instrumentation.
24	10 th Jan 2009	Biometrics, RFID and Emerging Technologies for Automatic Identification
25	18 th Oct 2008	Corrosion Prevention through advanced Technologies.
26	5 th Jan 2008	Latest Trends in Nano Technology
27	3 rd Feb 2007	Innovations in Safety, Health and Environment.
28	8 th & 9 th Dec 2006	Geo – Informatics.
29	27 th & 28 th Aug 2005	Alternative Energy Sources
30	8 th Aug 2004	Pollution of Water Bodies in Urban Area

Consultancy Projects

- ❖ Working as Core member for Course Content Development for 2025-26 as per University or Mumbai Guideline
- ❖ Have worked as a member of curriculum development for AICTE courses ,Non AICTE courses, Question Bank development and Lab Manuals for Maharashtra State Board of Technical Education (MSBTE), Mumbai
- ❖ Conducted training program for TECHNICIANS at Indofil Ltd. Thane
- ❖ Conducted training program for the operators at Colour Chem at Roha and Gharda Chemicals Ltd. at Chiplun.
- ❖ Conducted training program for the fresh Graduate Engineers at L&T Madh Mumbai.

Projects Grants received

- ❖ Mentored Final students project PLC Based Jacketed Reactor Control System with IoT

Won 2nd Prize (Trophy and cash prize of Rs 5000/-) in Dipex 2024 State level Project Competition at Navi Mumbai

Won 2nd Prize (Trophy and cash prize of Rs 50000/-) at MSBTE State Level Project Competition 2024 organized at Bhausaheb Vartak Polytechnic in Vasai West, Mumbai

- ❖ Mentored Final students project “Accelerometer based Gesture Controlled Robot”

Won Third Prize at 17th ISTE Students National Annual Convention of “ISTE-Narsee Monjee Best Project work done by Polytechnic students of Maharashtra State 2014”

- ❖ **Supertech Instrumentation Services (I) Pvt Ltd. donated PLC Panel and Motor Training Panel worth Rs 5,00,000/-**

Awards and Achievements

- ❖ Received Best Technical Session Award for paper “Identification of microcracks and Hotspots Fault detection in Photovoltaic (PV) panel” at National Conference “Futuristic Trends in Engineering and Applied Science” NCFTEAS-2024
- ❖ First Prize for paper “Intelligent Approach for Motor Control”-National Conference Vision-2015 at BVIT, Kharghar, Navi Mumbai.
- ❖ 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
- ❖ Received Mentorship award for project “PLC Based Jacketed Reactor Control System with IoT” won 2nd Prize (Trophy and cash prize of Rs 5000/-) in Dipex 2024 State level Project Competition at Navi Mumbai
- ❖ Received Mentorship award for project “PLC Based Jacketed Reactor Control System with IoT” won 2nd Prize (Trophy and cash prize of Rs 50000/-) at MSBTE State Level Project Competition 2024 organized at Bhausaheb Vartak Polytechnic in Vasai West, Mumbai
- ❖ Received Mentorship award for project “Accelerometer based Gesture Controlled Robot”, won Third Prize at 17th ISTE Students National Annual Convention of “ISTE-Narsee Monjee Best Project work done by Polytechnic students of Maharashtra State 2014”

Books/ Chapters published

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

Date : 01/03/2025

Place: Thane

Mrs Smita Deepak Khandagale