

**Vipin Suryakant Vibhute**  
[yvbhute@dypcoekurdi.ac.in](mailto:yvibhute@dypcoekurdi.ac.in)

- **Educational Qualification** : B.E. (Instrumentation & Control)  
M.E. (Process Instrumentation)  
PhD Pursing
- **Experience** : **25 years** teaching  
**5 Years** Industry
- **Contact No. (optional)** :
- **Areas of Interest** : Microcontroller, Embedded, Robotics, IoT,  
Artificial Intelligence
- **Memberships** : ISTE (life member)
  
- **Courses Handled** : SE – Data structures, Electrical Measurement  
& Instrumentation  
TE- Embedded Systems  
BE – Robotics & Automation, Mechatronics  
& Robotics, Internet of Things  
  
ME- Measurements and Controls (ME  
Mechanical – Heat Power)
- **Administrative responsibilities** :1) Corporate Relations Officer for the 11 institutes  
Under the aegis of DYP Akurdi Educational  
Complex  
2) Founder of D.Y. Patil College of Engineering  
Robotic Club (DRC)  
3) Assistant Training Placement Officer for 1 year  
4) Sports Incharge of the college  
5) Member of Central Purchase Committee of the  
college  
6) Member of Dead Stock Write-Off Committee of the  
college  
7) Senior Supervisor for theory examinations of  
University of Pune  
8) College Nodal Officer for National Instructional  
Ranking Framework (NIRF)  
9) Final year students’ Project Incharge for  
department  
10) Coordinator for SAIE- Student association of  
Instrumentation Engineers for department
  
- **Research Projects:**  
✓ **Completed**  
  
: 1) BCUD research project  
completed Topic: Stretch Sensor for  
Anthropomorphic Robot Hand.  
2) Developed project “Microcontroller  
based Online Learners’ License  
Issuing System” for M/s Orient  
Consultancy Services, Pune. The  
project is implemented in 35 nos. of  
Road Transport Offices (RTO) under  
Ministry of Transport, Government

➤ **Awards and Accolades**

- 1) “The Best Paper of the Session” in National Conference on Signal Processing & Automation (NCSPA – 07), Dr. D. Y. Patil Institute of Engineering & Technology, Pimpri, Pune
- 2) “Best Paper Award” in International Conference on Electrical, Electronics and Computer Engineering (ICEECS-2012), Goa.
- 3) “Nilima Rosvshen Creative & Innovative Event’s Certificate of Achievement” for the best project during Entrepreneurship Week – India 2011, conducted by National Entrepreneurship Network (NEN) , Bangalore.
- 4) “Certificate of Excellence” for excellent contribution in ABU Robocon 2012 & Robotron Workshop by D.Y. Patil College of Engineering, Pune.
- 5) “Appreciation Memento” for fostering an ecosystem bridging Government, Industry and Academia, in ‘India Innovation Challenge Design Contest 2018’ by DST and Texas Instruments, India.
- 6) “Gold Medal” for “Mentoring the Educators in Education Technology” in FDP301x conducted by IIT Bombay in 2017.
- 7) Mentored the project “Python Based HMI for Programming and Monitoring SCARA Robot”, by final year student Samiksha Bhokare; which was Ranked First in the National Level “open AUTOMATION Challenge”, organized by B&R Industrial Automation Pvt. Ltd. on 16th December 2020

➤ **Books published:**

Use of Stretch Sensor for Anthropomorphic Robot Hand by Lambert Academic Publishing

➤ **Editorial Board Membership:**

- 1) Member of Editorial board of International Research Journal of India (IRJI) ISSN No.: 2454-8707.

➤ **Invited lectures / resource person / examiner:**

- 1) Expert lecture in orientation programme on “Application of Microcontroller-II” at Bharati Vidyapeeth College of Engineering, Navi Mumbai on 30th January 2015.
- 2) Guest lecturer in “Robotics” at Padmashree Dr. D.Y. Patil Institute of Engineering, Management and Research, Pune on 23rd August 2014.
  - 3) External examiner for subject “Instrument System Design” at Padmabhooshan Vasantdada Patil Institute of Technology, Sangli, Shivaji University on 12th & 13th November 2014.
- 4) Resource person at Two-day National Level Seminar in “Global Trends in Intelligent Computing” at Changu Kana Thakur Arts, Commerce & Science College, New Panel, Mumbai on 16th August 2014.
- 5) External examiner for final year students’ project at Bharati Vidyapeeth College of Engineering, Navi Mumbai, Mumbai University on 20th May 2014.
- 6) Guest lecture on the subject “Basic Instrumentation” for ME Mechanical students at Indira College of Engineering and Management, Pune on 5th October 2013.
- 7) Resource person for ISTE approved Short Term Training Programme (STTP) on “Embedded System in Instrumentation” for Shivaji University faculty at Padmabhooshan Vasantdada Patil

Institute of Technology, Budhgaon,  
Sangli on 21st December 2016.

- 8) Resource person for workshop on “SCADA system for water supply distribution network” for junior and senior engineers of MIDC at MIDC Project Division, Chinchwad, Pune on 29/12/2016.
- 9) Resource person for ISTE APPROVED ONE WEEK FACULTY DEVELOPMENT PROGRAM (FDP) on “Advances in Instrumentation & Control” at Bharathi Vidypeeth College of Engineering, Navi Mumbai on 24/11/2017.
- 10) Member of Department Advisory Board for academic year 2018 – 19, Department of Instrumentation Engineering, Bharati Vidyapeeth College of Engineering, Navi Mumbai.
- 11) Resource person for “ICT Based Teaching – Learning using Gnomio Moodle”, by Department of Computer Engineering, D.Y. Patil College of Engineering, Akurdi, Pune.
- 12) Resource Person for the PHASE-III of National Level AICTE-ISTE Orientation/Refresher Programme entitled "Advanced Mechatronics System." (Online-Mode) at Sandip Foundation's, Sandip Polytechnic, Nashik (Mechanical Department) from April 6 – 12, 2021.
  - 13) Technical Resource Person in Faculty Development Program of AICTE Training and Learning Academy (ATAL) for “Idea Development, Evaluation an Application (IDEA Lab)” at D. Y. Patil International University, Akurdi, Pune from September 23 – 28, 2021.
  - 14) Technical Head and Resource Person in Advanced Faculty Development Program of AICTE Training and Learning

Academy (ATAL) on “Electronic System Design” at D. Y. Patil International University, Akurdi, Pune from December 1–7, 2021.

- 15) Technical Head and Resource Person in Advanced Faculty Development Program of AICTE Training and Learning Academy (ATAL) on “Electronic System Design” at D. Y. Patil International University, Akurdi, Pune from December 16–23, 2021.

➤ **Publications:**

International Journals:

- 1) “Approximation of Hysteresis Density Function in Stretch Sensor” International Journal of Electronics and Electrical Engineering (IJEEE), ISSN (Print) No. 2231-5284, Vol. 2, Issue-2,3,4, August 2012, pp-34-40.
- 2) “Identification of Hysteresis & Relaxation parameters in Stretch Sensor” International Journal of Advances in Electrical & Electronics Engineering (IJAEED), ISSN (Print) No. 2278-8948, Vol.-1, Issue-2, 2012, pp-15-22.
- 3) “A Survey Of Learning From Demonstration Used In Robotics”, Indian Journal of Scientific Research (IJSR), ISSN: 0976-2876 (Print), ISSN: 2250-0138 (Online), Special Issue NCRIET 2015.
- 4) “Reinforcement Learning in Robotics”, International Journal on Emerging Technologies (IJET) (Special Issue on ICRIET-2016) 6(2): 76-80(2016), ISSN No. (Print): 0975-8364, ISSN No. (Online): 2249-3255.
- 5) “Bionic Arm with Extendible Mechanism”, Journal of Emerging Technologies and Innovative Research (JETIR), ISSN: 2349 – 5162, Volume 5, Issue 11, November 2018.
- 6) “Conventional Object Detection Techniques in Robotics: A Review”, IEEE Xplore, 978-1-5386-7709-4/18/\$31.00\_c 2018 IEEE.
- 7) “Design And Development Of Hybrid

Robot For Robocon 2016”, International Journal of Engineering Science and Generic Research (IJESAR), Journal Index In ICI World of Journals -ICV 2016 –68.35, Volume 5, Issue 5, September-October, 2019, Page No. 01-08, ISSN: 2456-043X

8) “Aerodynamic Principles for Aircraft: A study”, International Journal for Research in Applied Science & Engineering Technology (IJRSAT), Indexed with Crossref for DOI-DOI: 10.22214, Volume 8, Issue VII, July 2020. ISSN: 2321-9653.

9) "Sound Source Localization in 3D using Asymmetrical Positioned and Skew Aligned Two Array Microphone – Experimentation", IEEE Xplore, 978-1-7281-8876-8/21/\$31.00 ©2021 IEEE.