

# Faculty Profile

Name Dr. Vaibhav B. Vaijapurkar  
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## Educational Qualifications

Degree	University/Institution	Year of Passing
Ph.D.	Ph. D, Electronics and Telecommunication Engineering <b>Research Center:</b> SCTR's Pune Institute of Computer Technology (PICT), Pune <b>University:</b> Savitribai Phule Pune University (SPPU), Pune	2023
M.E. (E&TCE)	M.E, Digital Electronics <b>Institute:</b> Shri Saint Gajanana Maharaj College of Engineering (SSGMCOE) Shegaon, Dist. Buldhana <b>University:</b> Saint Gadge Baba Amravati University, Amravati.	2008
B.E. (E&TCE)	B.E, Electronics and Telecommunication Engineering (E&TCE) <b>Institute:</b> Government College of Engineering, Jalgaon <b>University:</b> North Maharashtra University, Jalgaon	2003

## Professional Experience

Sr. No.	Designation & Institute	Duration
1	Assistant Professor, PICT Pune	July2007 - Present
2	Lecturer at SVPM's COE, Malegaon (bk), Baramati	Aug 2004- July2007

## Research Publications

Sr. No.	Title	Publication/Conference
1	Electrical Resistance Modeling of Shape Memory Alloy (SMA) Wire Using an Efficient Performance Analysis Approach"	Springer, Journal of Shape Memory and Superelasticity, (SMSJ ESCI Indexed, H index 23) <b>Jun22</b> [Q2], <a href="https://link.springer.com/article/10.1007/s40830-022-00369-v">https://link.springer.com/article/10.1007/s40830-022-00369-v</a> .

2	Design and Evaluation of Ni-Ti Alloy Actuator with Thermal Feedback for Tactile Presentations,	International Journal of Mechanical Engineering (IJME), Vol. 7, No. 4, pp. 359-368, Apr 2022, ISSN: 0974-5823 ( <b>Scopus indexed, Impact Factor: 2.1, H index- 5</b> ).
3	Development of Tactile Display and an Efficient Approach to Enhance Perceptual Analysis in Rehabilitation	Advances in Science, Technology and Engineering Systems Journal ( <b>ASTESJ: Scopus indexed</b> ) in Volume 4, Issue 4, Page No 01-11, 2019, ISSN: 2415-6698, DOI: <a href="https://doi.org/10.25046/aj040401">10.25046/aj040401</a> .
4	Study and Modeling Behavior of Shape Memory Alloy Wire	International Journal of Engineering Technology, Management and Applied Sciences (IJETMAS17) Vol.5 Issue 7, 774-782, ISSN: 2349-4476. ( <b>Impact Factor 2.24</b> ).
5	A survey on recent trends and technologies in tactile interfaces with sensing perspective	2015 Annual IEEE India Conference (INDICON), New Delhi, 2015, pp. 1-5.doi: 10.1109/INDICON.2015.7443158.
6	Study and Modeling Behavior of Shape Memory Alloy Wire	5 <sup>th</sup> International conference on research trends in Engineering, Applied science and Management (ICRTESM-2017). ISBN 978-81-934083-8-4.
7	Fruits Classification and Shelf-Life Prediction using CNN	2024 4th International Conference on Intelligent Technologies (CONIT), Bangalore, India, 2024, pp. 1-8, DOI: 10.1109/CONIT61985.2024.10626797.
8	Latest Trends on Satellite Image Segmentation.	2024, In: Sharma, H., Shrivastava, V., Tripathi, A.K., Wang, L. (eds) Communication and Intelligent Systems. ICCIS 2023. Lecture Notes in Networks and Systems, vol 968. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-97-2079-8_12">https://doi.org/10.1007/978-981-97-2079-8_12</a> .
9	Blockchain-Based Secured Ration Distribution System	2025, In: Giri, D., Islam, S.K.H., Vasilakos, A.V., Khan, M.K. (eds) Proceedings of International Conference on Network Security and Blockchain Technology. ICNSBT 2024. Lecture Notes in Networks and Systems, vol 1158. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-97-8051-8_18">https://doi.org/10.1007/978-981-97-8051-8_18</a> .
10	A survey on recent trends and technologies in tactile interfaces with sensing perspective	2015, Annual IEEE India Conference (INDICON), New Delhi, 2015, pp. 1-5.doi: 10.1109/INDICON.2015.7443158.

### Books Published

Sr. No.	Title	Publisher & Year

### Conferences / Seminars Attended

Sr. No.	Conference/Seminar	Year

## Awards & Recognitions

Sr. No.	Award/Recognition	Year
1.	<b>First prize Winner</b> for " <b>Innovative Pedagogical Practices</b> " conducted by PICT-IUCEE Innovative Teaching Learning Center on 12 August, 2023. The cash prize of Rs. 3000/- along with winner certificate was received as an appreciation.	2023
2.	Savitribai Phule Pune university (SPPU), Pune Organizes <b>AVISHKAR</b> research project competition every year. Avishkar-2017 inter college level was organized by AISSMS COE, Pune on, the research project titled " <b>Design and develop tactile feel display for improved correctness in human sensing</b> " was selected intercollegiate competition and <b>qualified</b> to Zonal level and successively State level.	2017

## Areas of Interest

Sr. No.	Area
1	Analog electronics, Software Programming (DS, OOP, DBMS)
2	Human Machin Interaction (HMI)
3	HMI, Smart Materials,
4	Tactile Devices