
	Pimpri Chinchwad Education Trust's Pimpri Chinchwad College of Engineering & Research Ravet, Pune	
Academic Year: 2025 - 26	Faculty Profile	

Name of Faculty:	Dr. Vijaya Yaduvanshi		
Qualification :	Ph.D. (Medical Imaging), M.Tech (Digital Image Processing)		
Teaching Experience:	15 Years+		
Designation:	Associate Dean [SWD], Assistant Professor		
Department :	Electronics & Telecommunication Engineering		
Date of Joining :	01/11/2022		
Research Areas / Area of Specialization	Medical Imaging, Digital Image Processing, Deep Learning		
Courses / Subjects Taken:	Integrated Circuits, Digital Electronics, Signals & Systems, Control Systems, Basic Electronics Engineering, Radiation & Microwave Theory, Microprocessors, Electronic Circuits, Information Theory Coding & Communication Networks & many more.		
IPR : Patent and Copyrights	Title	Docker No./ Diary No.	Registered /Filed
	Landslide Detection Using WSN	Diary No.: 27284/2023-CO/L	Registered
	AGRO AI: Predictive Soil Analysis & Crop Yield Optimization using Machine Learning,	Diary No.: 27156/2023-CO/L	Registered
	IOT Based Remote Monitoring & Automation System for Polyhouse	Diary No.: 27133/2023-CO/L	Registered
	Lipstick with cotton pad	Application no: 434983-001	Filed
Research Publications:			
Journal/Conference Publications:	Year	Title of Paper	Published in
	2024	Automatic Oral Cancer Detection & Classification using Modified Local Texture Descriptor & Machine Learning Algorithms	Multimedia Tools and Applications
2021	PAPR Analysis of FFT and DWT based OFDM using Clipping Technique Volume No. 14, No. 1, (2021),	International Journal of Future Generation Communication and Networking	

		pp. 4741 – 4749. ISSN: 2233-7853 IJFGCN.	
	2021	Autonomous Vehicles Parking using Neuro-Fuzzy Volume No. 14, No. 1, (2021), pp. 4271 – 4278. ISSN: 2233-7853 IJFGCN.	International Journal of Future Generation Communication and Networking
	2021	Generation of a PLC based unit protection device to monitor the abnormal operation of transformer Volume No. 14, No. 1, (2021), pp. 4260 – 4270. ISSN: 2233-7853 IJFGCN.	International Journal of Future Generation Communication and Networking,
	2021	Application of Block Chain Technology in Agricultural Supply Chain Management Volume No. 14, No. 1, (2021), pp. 4240 – 4244. ISSN: 2233-7853 IJFGCN.	International Journal of Future Generation Communication and Networking,
	2021	Deep Learning Module for Spectroscopic Identification of Pathogenic Bacteria Volume No. 14, No. 1, (2021), pp. 4708 – 4716. ISSN: 2233-7853 IJFGCN.	International Journal of Future Generation Communication and Networking
	2021	Design and Modelling of Automatic Temperature Check and Sanitization System using Raspberry Pi Volume No. 14, No. 1, (2021), pp. 4182 – 4188. ISSN: 2233-7853 IJFGCN.	International Journal of Future Generation Communication and Networking
	2024	Performance Studies and Comparative Analysis of FSO Links using CSRZ, RZ, NRZ, PPM and QPSK Modulation Schemes ISBN Number: 978-93-5493-555-8	International Conference:Convergenex 2k24
	2024	Landslide Detection System Using WSN ISBN Number: 978-93-5493-555-8	International Conference:Convergenex 2k24
Books Publication:	An Automatic Classification Methods in Oral Cancer Detection In book: Health Informatics: A Computational Perspective in Healthcare (pp.133-158)		

Profile Link:	<p>Google scholar URL: https://scholar.google.com/citations?user=wRn5mEgAAAAJ&hl=en</p> <p>Research-Gate URL: https://www.researchgate.net/profile/Vijaya-Yaduvanshi-2?ev=hdr_xprf</p> <p>ORCID id: https://orcid.org/0000-0002-1568-3858</p>
Product Developed:	Smart Dustbin using ARDUINO, ARDUINO LED BOARD, Accident Detection System
Awards/Appreciation/Achievements:	Worked as Session Chair in ASIANCON, NCEDCS 2K25, Organizing Committee Co-Chair in International Conference ICCCCM- 2013, Criteria Committee Member in NAAC 2021 at SKNCOE, Pune, Event Coordinator and Organizing Committee member in Sinhgad Technical fest “Karandak 2020”, Coordinator in AICTE STANFORD SURVEY (A part of an international research study) at SKNCOE, Pune, Panelist in Interviews at college and many more.
Reviewer	<ul style="list-style-type: none"> • “IEEE Silcon 2024”, the flagship conference of IEEE Silchar Subsection at NIT Agartala, Tripura. • International Conference on Signal Processing and Computer Vision (2025) at NIT Silchar.
Membership:	Indian Society for Technical Education (LM127154)
Industrial Training :	Offline One Week Industrial Training in Diya Private Limited, Pune
Resource Person /Expert Session/Jury Invited:	Resource Person-02, Expert Session-01, Jury Invited-11
Workshop/FDP/STTP attended(more than a Week):	Workshop- 15 FDP/STTP- 11
Event Organized Inter department /Inter college/ Other recognized Industry/IIT’s /NPTEL/SPOKE N TUTORIAL/ etc.	Workshop- 12 FDP/Seminar/Guest Lecture- 25
University level appointments:	Subject Chairman for the “Elements of Electronics” in Autonomy, University Practical Examiner, Performed University Examination Duties.
Administrative Duties:	Worked as Assistant CAP Director in SPPU FE CAP Jan 2025, ETesa Coordinator, Dept. Sports Coordinator, Internal Exam Coordinator, Institute Level PBL Coordinator, Dept. Level Technovate Coordinator and many more.
Academics Duties:	Worked as Class Teacher, Student Mentor, Subject Coordinator for BXE & RMT, Member in Admission Cell, Syllabus Structure Designing as a subject coordinator for “Basic Electrical & Electronics Engineering and Elements of Electronics” subject in Autonomy at PCCOER, Pune and many more.
Invited Eminent Personalities	<ul style="list-style-type: none"> • Invited Mrs. Vinita Singh, Director, Gorganic & Gorganic Fashion Pvt. Ltd., Amstardam, on Women’s Day as a special guest, Topic: “Women: Power Within” (8 Mar 2021 – 10 Mar 2021) at Smt. Kashibai Navale College of Engineering, Pune organised by Women Development Cell. • Invited Ms. Tejaswini Gautam, I.P.S, Superintendent of Police, Alwar, Rajasthan as a Chief Guest in the inauguration ceremony of National Level Webinar Series (Cyber Crime against Women: Precautions and Strategies) at Smt. Kashibai Navale College of Engineering, Pune, (Dept. of Electronics & Telecommunication Engineering) in association with National Commission for Women (NCW), New Delhi (19 Jan 2021 – 20 Jan 2021). • Invited Ms. Trupti Dhodmise Navatare, I.A.S,

	<p>Assistant Collector, Nandurbar as a Chief Guest in the Valedictory ceremony of National Level Webinar Series (Cyber Crime against Women: Precautions and Strategies) at Smt. Kashibai Navale College of Engineering, Pune, (Dept. of Electronics & Telecommunication Engineering) in association with National Commission for Women (NCW), New Delhi (19 Jan 2021 – 20 Jan 2021).</p>
<p>Achievements</p>	<ul style="list-style-type: none"> • Organized Internship for TE Students of Pimpri Chinchwad College of Engineering & Research, Ravet, Pune in Defence Institute of Advanced Technology (DIAT), Pune for Projects ‘Automatic Vehicle Number PlateDetection’ and Under Water Object Detection. • Conducted a session as a resource person on ‘Internship Awareness’ for third year students in Smt. Kashibai Navale College of Engineering, Pune, (Dept. of Electronics & Telecommunication Engineering), September 2022. • Received letter of gratitude for preparing second and third year students for Mock Placement (Group Discussion) organised by Team ELESA, Smt. Kashibai Navale College of Engineering, Pune, (Dept. of Electronics & Telecommunication Engineering), 2022. • Received letter of gratitude for preparing final year students for Mock Placement (Group Discussion) organised by Team ELESA, Smt. Kashibai Navale College of Engineering, Pune, (Dept. of Electronics & Telecommunication Engineering), 2021. • Lifetime membership of “The Indian Society for Technical Education” (ISTE), 2019. • Recognized and Honoured with the award of “Academic Excellence” for the betterment of educational objectives at United Institute of Technology, Allahabad, 2017. • Received letter of appreciation for preparing final year students for placement interview by conducting mock interviews in United Institute of Technology, Allahabad, 2016.
<p>Memorandum of Understanding for Training and Placements</p>	<ul style="list-style-type: none"> • MoU between Bentork Industries LLP, Pune and Pimpri Chinchwad College of Engineering & Research, Ravet, Pune (Dept. of Electronics & Telecommunication Engineering) for Internships and Placements (09 Dec 2022 – 09 Dec 2024). • MoU between Gate Solution Academy, Mumbai and Smt. Kashibai Navale College of Engineering, Pune, (Dept. of Electronics & Telecommunication Engineering) for Career

	<p>guidance, Gate exam preparations and Placements (21 Jun 2021 – 21 Jun 2024).</p> <ul style="list-style-type: none"> • MoU between CADCAMGURU Solutions Private Limited, Pune and Smt. Kashibai Navale College of Engineering, Pune, (Dept. of Electronics & Telecommunication Engineering) for Internships and Placements (10 Jan 2022 – 28 Feb 2025). • MoU between Bentork Industries LLP, Pune and Smt. Kashibai Navale College of Engineering, Pune, (Dept. of Electronics & Telecommunication Engineering) for Internships and Placements (05 Jan 2022 – 05 Jan 2024). • MoU between Champion Semiconductors LLP, Noida and Smt. Kashibai Navale College of Engineering, Pune, (Dept. of Electronics & Telecommunication Engineering) for Internships and Placements (21 Dec 2020 – 21 Dec 2021). • MoU between Automate Engineering Pvt. Ltd., Pune and Smt. Kashibai Navale College of Engineering, Pune, (Dept. of Electronics & Telecommunication Engineering) for Internships and Placements (28 Oct 2020 – 28 Oct 2025).
References	<p>Prof. K.P. Mishra Founder President, Asian Association for Radiation Research. Ex Head & Senior Scientist, • Radiation Biology and Health Sciences Division, Bhabha Atomic Research Centre, Mumbai</p> <hr/> <p>Prof. L.M. Srivastava Pro Vice Chancellor United University, Prayagraj</p>

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