



**Pimpri Chinchwad Education Trust's  
Pimpri Chinchwad College of Engineering &  
Research Ravet, Pune**



**Academic Year: 2025 - 26**

**Faculty Profile**

<b>Name of Faculty:</b>	Arti Avinash Tekade		
<b>Qualification :</b>	ME(Electronics), Ph.D. Pursuing		
<b>Teaching Experience :</b>	18 Yrs.		
<b>Industry Experience :</b>	--		
<b>Designation :</b>	Assistant Professor		
<b>Department :</b>	Electronics and Telecommunication Engineering		
<b>Date of Joining :</b>	15/06/2016		
<b>Research Areas / Area of Specialization</b>	Digital Systems		
<b>Courses / Subjects Taken:</b>	1. Electronics Circuits 2. VLSI Design and Technology 3. Mobile Communications 4. Computer Network 5. Electronics System Design 6. Electronics System Design 7. Basic Electronics Engineering 8. Electronics Measuring and Instrumentation Too 9. Employability Skills in Electronics Design 10. Business Management		
<b>IPR :</b>	<b>Title</b>	<b>Docker No./ Diary No.</b>	<b>Registered /Filed</b>
	Serving Plate With Glass Holder	<b>Design Patent 381400-001</b>	Published
	Human Identification Using Hand Radiography	<b>L-137240/2023</b>	Published
	Design and Compare 32-bit Vedic multiplier with other types of Multipliers Implemented with carry look ahead adder	<b>L-124600/2023</b>	Published
	Machine learning based Smart assistive robot for elderly people	<b>L-124600/2023</b>	Published
	Peltier based liquid cooling portable air conditioner	<b>L-103488/2021</b>	Published
	Real time object detection for visually impaired using yolo algorithm	<b>L-104111/2021</b>	Published

	Water Bottle with Storage Container.	65263	Filed
	Secured ATM Systems	65176	Filed
	A Smart tool for testing deficient element in Soil.	65271	Filed
	Pure Coconut Oil preservation in winter Season.	65126	Filed
<b>Research Publications :</b>			
<b>Journal Publications:</b>	<b>Year</b>	<b>Title of Paper</b>	<b>Published in</b>
	<b>2024</b>	Person identification using novel local triangular binary pattern-based texture descriptor	EURASIP Journal on Advances in Signal Processing
	<b>2021</b>	Portable Air Conditioner based on Hybrid Method of Peltier Effect Cooling and Liquid Based Cooling.	International Journal for Research in Applied Science & Engineering Technology
	<b>2020</b>	ATM Surveillance & Security Using Image Processing	International Research Journal of Modernization in Engineering Technology and Science(IRJMETS)
	<b>2020</b>	Design and implementation of FIR filter using Vedic Multiplier	International journal of Advances in Engineering and Management (IJAEM)
	<b>2020</b>	E-Bike Wireless Charging System	Mukt Shabd Journal
	<b>2019</b>	Control System Analysis using Root Locus Method	Journal of Control System and its Recent Developments
	<b>Conference Publications:</b>	<b>2024</b>	Sustainable Agriculture Using Machine Learning and IoT
Comprehensive Analysis of Hand Radiographic based Person Authentication			IEEE Pune Section International Conference (PuneCon-2024)
<b>2023</b>		Detecting Cyber security Attacks in Industrial Internet of Things: A Systematic Literature Review	2023 5th Biennial International Conference on Nascent

			Technologies in Engineering (ICNTE-2023)
		Design of Ultra Low Power, Area Efficient Ring Counter Based SAR ADC	2023 3rd International Conference on Intelligent Technologies (CONIT-2023)
		Create a 32-bit Vedic multiplier and compare it against other multipliers using a carry look-ahead adder.	4th INTERNATIONAL CONFERENCE OF EMERGING TECHNOLOGIES 2023( INCET2023)
	<b>2022</b>	IoT Enabled RFID Based Library Management and Automatic Book Recommendation System using Collaborative Learning	2 <sup>nd</sup> International Conference on Sentiment Analysis and Deep Learning (ICSADL-2022) (SPRINGER )
<b>Books Publication:</b>	04		
<b>Profile Link :</b>	<ol style="list-style-type: none"> <li>1. ORCID ID - 0009-0003-0598-4424</li> <li>2. Scopus ID: 58414086200</li> <li>3. <a href="https://scholar.google.com/citations?view_op=view_citation&amp;hl=en&amp;user=urpTpNMAAAAJ&amp;citation_for_view=urpTpNMAAAAJ:u5HHmVD_uO8C">https://scholar.google.com/citations?view_op=view_citation&amp;hl=en&amp;user=urpTpNMAAAAJ&amp;citation_for_view=urpTpNMAAAAJ:u5HHmVD_uO8C</a></li> </ol>		
<b>Product Developed:</b>	2		
<b>Certifications :</b>	Topper in NPTEL Certification		
<b>Awards/Appreciation/Achievements:</b>	World record of filing maximum number of patent in a single day by PCCOER ladies Staff.		
<b>Membership:</b>	IETE		
<b>Industrial Training :</b>	<ul style="list-style-type: none"> <li>➤ Industrial Training In Iot / Industry4.0 Domain at Coppe rcloud Iotech Pvt Ltd from 13th Feb (Monday) To 18th Feb 2023</li> <li>➤ Online Industrial training on IOT project Development using Industry grade Microcontroller during 28<sup>th</sup> june – 28th july , 2021 in Anand Techno Creation, Satara.</li> <li>➤ Online Industrial training on Design and Development of DC regulated Power Supply during 25<sup>th</sup> jan – 6th Feb, 2021 in Anand Techno Creation, Satara.</li> <li>➤ Online Industrial training on Design &amp; Development of Sellable Automatic Dispenser: Sanitizer, Water and Liquid , during 23<sup>th</sup> March – 4th Apr, 2021 in Anand Techno Creation, Satara.</li> <li>➤ Industrial training on Arduino , Express PCB , Proteus, during 2/12/2019 To 7/12/2019 at A Square, Pune.</li> </ul>		

	<ul style="list-style-type: none"> <li>➤ Industrial training during 27/11/2017 To 29/11/2017 at Softcon Systems Private Limited Tathwade, Pune .</li> <li>➤ Industrial training on voice recording and playback module, Orcad Capture for circuit Design, PCB layout design during 21.11.16 To 26.11.16 at Adisans Private Limited, Ravet, Pune .</li> <li>➤</li> </ul>
<p><b>Resource Person /Expert Session/Jury Invited:</b></p>	<p>Delivered Guest lecture on 22/05/21 to SE E&amp;TC SIDDHANT COE, Pune</p>
<p><b>Workshop/FDP/STTP attended(more than a Week):</b></p>	<ul style="list-style-type: none"> <li>➤ Latest Trends and Techniques in Digital Twin organised by MMCOE , Pune from 07/10/2024 to 12/10/2024.</li> <li>➤ Implementing IOT and Deep Learning Application on Edge Devices organized by NIT Warangal from 15/07/2024 to 22/07/2024.</li> <li>➤ Faculty Orientation Workshop on BE(E&amp;TC) revised syllabus (2019) under the aegis of Board of Studies (E&amp;TC/Elex.), Savitribai Phule Pune University, organized by, Dept. of E&amp;TC Engineering, STE'S Sinhgad Institute of Technology and Science ,Narhe,Pune -41, from 30/01/2023 to 1/02/2023.</li> <li>➤ Faculty Orientation Workshop on B.E. E&amp;TC revised syllabus 2019 for the subject Digital Business Management under the aegis of Board of Studies E&amp;TC, Savitribai Phule Pune University, Pune organized by Department of E&amp;TC, AISSMS College of Engineering, Pune from 31/01/2023 to 01/02/2023.</li> <li>➤ 5 Day's Online International Level Faculty Development Program on Data Science using Machine Learning organized by Pravara Rural Engineering College in Collaboration with ExcelR Dr. S. M. Gulhane Principal PREC Loni Ram Tavva CEO, ExcelR Solutions Date: 2nd January 2023 to 6th January 2023.</li> <li>➤ FDP on “Research Methodology and IPR” organized by Department of Electronics and Telecommunication Engineering, KJCOEMR,Pune-48, on 22nd -24th August 2022.</li> <li>➤ Two Day National Level Webinar on “IoT Architecture and Technologies for Smart Cities” organized by Department of Electronics and Communication Engineering G. Pulla Reddy Engineering College (Autonomous), Kurnool during 23rd and 24th of July 2021.</li> <li>➤ Faculty Orientation Workshop on BE(E&amp;TC) revised syllabus (2019 Course) under the aegis of Board of Studies (E&amp;TC), Savitribai Phule Pune University, organized by, Dept. of E&amp;TC Engineering, Sinhgad College of Engineering, Pune 41 during 14- 16 July,2022</li> <li>➤ One Week Instructor Led Live Online Training on Deep Learning Using Medical Data Organized by Finland Labs (A Unit of Revert Technology Pvt. Ltd.) held during 07th February - 11th February 2022</li> <li>➤ Faculty Orientation Workshop on TE(E&amp;TC) revised syllabus (2019C) under the aegis of Board of Studies (E&amp;TC.), Savitribai Phule Pune University, organized by, Dept. of E&amp;TC Engineering, Maratha Vidya Prasarak Samaj's Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering Nashik from 27/01/2022 to 29/01/2022.</li> </ul>

- Short Term Training Programme (STTP) through ICT mode on ‘Advanced Applications in Artificial Intelligence and Machine Learning’ organized by Marathwada Mitra Mandal’s Institutions MMCOE and MMIT from 2nd To 6th August 2022
- “One Week Online STTP/Refresher Program on Project Based Learning” organized by Department of E&TC, AISSMS COE Pune in association with BoS(E&TC) SPPU & ISTE New Delhi from 21/02/2022 to 26/02/2022.
- One week Online Short-Term Training Program on “Role of Teacher: To Boost Moral values, Ethics in Engineering Education System” Organized by Department of Electronics & Telecommunication Engineering, MVPS’s, KBT College of Engineering, Nashik During 17th Dec. 2020 to 23rd Dec. 2020
- One Week Short Term Training Program On “Digital Skill Development For Professionals” At Bhivarabai Sawant Institute Of Technology And Research, Wagholi Pune From 07/12/2020 To 12/12/2020.
- One week Online Short Term Training Programme (STTP) on ‘Advanced Applications in Artificial Intelligence and Machine Learning’ organized by Marathwada Mitra Mandal’s Institutions MMCOE and MMIT from 2nd To 6th August 2021.
- Two Day National Level Webinar on “*IoT Architecture and Technologies for Smart Cities*” organized by Department of Electronics and Communication Engineering G. Pulla Reddy Engineering College (Autonomous), Kurnool during 23rd and 24th of July 2021.
- One week Online Faculty Development Program "Artificial Intelligence" Organized by dyp Soe, Lohegaon . Pune during 24 -28 MAY 2021.
- Two Week Online Faculty Development Program on ““ICT Tools for Teaching, Learning Process and Institute ” by NIT Patna during 15th – 26th March, 2021 under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” of the Ministry of Electronics and Information Technology (MeitY), Government of India.
- One week Online Faculty Development Program (“Advanced Communication using IOT and WSN ") Organized by by dyp coe, Akurdi. in collaboration Techno field Solution , Pune during 9 -13 FEB 2021.
- Participate in " magic of motivational leadership” by AICTE on 28 April 2021
- Webinar on “Why IP is important in academia?” by MoE’s Innovation Cell to celebrate World IP Day on 26 April 2021
- One week Online Faculty Development Program (“Outcome Based Education : A Step Towards Excellence”) Organized by Govt. College of Engineering, karad in collaboration with AICTE Margdarshan scheme during 11-15 May 2020.

- One Week Online Faculty Development Program on “Effective Proposal Writing for Research and Funding” by SITRC, Nashik during 13-18 May 2020.
  - Participate in "A Webinar on UG Project Management(A PBL Approach)" By RSCOЕ TATHWADE in association with ALBORG UNIVERSITY, DENMARK on 11.05.2020.
  - Webinar on Educational Organization Management System (ISO 21001) – EOMS by Quality Austria Central Asia on 01.05.2020
  - AICTE Sponsored One Weeks 8 Credit Course on: WhatsApp Outcome Based Education FDP from March 24 to April 14,2020 by dyp coe, Akurdi.
  - FDP on LaTeX by Pimpri Chinchwad College of Engineering & Research, Pune in association with Spoken Tutorial Project IIT Bombay from April 20 to 27,2020.
  - FDP on Arduino by JSPM'S RSCOЕ, TATHWADE, Pune in association with Spoken Tutorial Project IIT Bombay from April 25 to 30 ,2020
  - Two week Faculty Development Program on “Applied Biomedical signal processing: Initiative towards eHealth” during 4<sup>th</sup>-15<sup>th</sup> November, 2019 at PCCOЕ , Nigdi
  - 8 week NPTEL Faculty Development Programme on “Marketing Management-I ”.
  - One week Faculty Development Programme on “Cyber Security and Data Sciences” at PCCOER, Ravet, Pune from 30.04.19 to 5.5.19
  - Workshop on “ Low Power design Using Quantum Dot Cellular Automata” at PCCOЕ, Pune from 4.1.18 to 5.1.18
  - One week CEP on “ Image Processing using MATLAB” at COEP, Pune from 12.06.17 to 10.06.17
  - Workshop on “ CMOS by IIT Kharagpur” at DY PIMPRI, Pune from 30.1.17 to 4.2.17
  - Workshop on “ Syllabus Detailing Instrumentation System” at AISSMS IOIT, Pune from 13 june, 2014 to 15 june, 2014
  - Workshop on “Instructional Methodologies of Optical Fiber Communication and Process Automation” at Dnyanganga College of Engineering& Research, Pune in association with BOS(Electronics Engg., Pune) on 7<sup>th</sup> January, 2012.
  - Workshop on “ Syllabus Detailing of VLSI Design” at G.H. Rasoni College of Engineering and Management, Wagholi, Pune from 13 july, 2011.
  - Workshop on “Latex for Paper Writing” at Sinhgad College of Engineering, Vadgaon(Bk), Pune from 24-25<sup>th</sup> , 2010.
  - State Level Workshop on “Matlab Programming and Application” at AISSMS’s Institute of Information Technology, Pune from 17-18<sup>th</sup>, 2009.
- Workshop on “Syllabus Detailing of VLSI Design” at G.H. Rasoni College of Engineering and Management, Wagholi, Pune from 13 july,

	2011
<b>Event Organized Inter department /Inter college/ Other recognized Industry/IIT's /NPTEL/SPOKE N TUTORIAL/ etc.</b>	<ul style="list-style-type: none"> <li>➤ Avishkar Zonal Level Competition</li> <li>➤ Technovate Event Coordinator</li> <li>➤ ASIANCON session Coordinator</li> </ul>
<b>Event Organized in Department:</b>	<ul style="list-style-type: none"> <li>➤ UTKARSH-2K25 State Level Project Competition</li> <li>➤ ConvergencX -2K24 Conference Co-coordinator</li> <li>➤ Avishkar college Level Competition</li> <li>➤ Technovate Event Coordinator</li> <li>➤ Workshops on Proteus</li> </ul>
<b>University level appointments:</b>	Practical Examiner , Paper Examiner
<b>Administrative Duties:</b>	Assistant Professor
<b>Academics Duties:</b>	PBL Department Coordinator, ISO Coordinator, Module Coordinator (ES& PM), EDC&IC Lab Incharge)) , Internal Exam Coordinator
<b>Any Other</b>	

Prof. Arti A.Tekade  
Department of E&TC