Name	MR. Ashish B. Vartak M.Tech. (Electronics and Telecommunication)	
Designation	Assistant Professor	
Department	Information Technology	
Date of Joining the Institute	14/03/2012	
Education	B.Tech. Electronics & Telecommunication Engineering, Dr. B.A.T.U. Lonere, 2005	
	M.Tech. Electronics & Telecommunication Engineering, Dr. B.A.T.U. Lonere, 2009	
Branch / Specialization	Electronics & Telecommunication	
Areas of Interest / Research Interest	Computer Programming, Mobile App Development, Computer Networking	
Email	ashish.vartak@famt.ac.in	
Personal Homepage link	https://ashishvartak.wordpress.com/	

Academic Appointments

Name of the University / Institute/ Industry	Duration	Designation
Finolex Academy of Management and Technology, Ratnagiri	From 14/03/2012 to till date	Assistant Professor
Gharda Institute of Technology	20/07/2009 to 13/03/2012	Assistant Professor
Dr. Babasaheb Ambedkar Technological University, Lonere	03/07/2008 to 31/05/2009	Lecturer
Dr. Babasaheb Ambedkar Technological University, Lonere	10/07/2006 to 20/05/2007	Lecturer
Dr. Babasaheb Ambedkar Technological University, Lonere	22/08/2005 to 09/06/2006	Lecturer
Total Experience – 16 Years 5 Months		

Copyright Granted / Applied - 02

Copyright Granted – 02

"APP BASED LIBRARY MANAGEMENT SYSTEM", Copyright diary No. 7762/2023-CO/SW, Copyright Office, Government of India (Status: Approved and Registered with Registration No.SW-16662/2023 on 26/06/2023)

"STUDENT PERFORMANCE MANAGEMENT SYSTEM", Copyright diary No. 7495/2023-CO/SW, Copyright Office, Government of India (Status: Approved and Registered with Registration No.SW-16508/2023 on 08/06/2023)

Awards / Honors / Prizes - 02

Received **SAP Award** of Excellence one of the Top Performer For Four Week AICTE approved FDP by IIT Bombay on ''**Use of ICT in Education for Online and Blended Learning**'' from 2nd May to 10th July 2016

Achieved **Elite** Certificate in NPTEL Online Certification for the subject "**Basic Electrical Circuits**" held in July to September 2017

Papers Published

Papers Published in National / International Journals - 09

International Journals – 09

Paper titled **"STUDENT PERFORMANCE MONITORING SYSTEM"** published in International Research Journal of Modernization in Engineering Technology and Science, Volume 5, Issue 4, **April 2023** (ISSN 2582 - 5208)(Paid)

Paper titled **"STUDENT PERFORMANCE MANAGEMENT SYSTEM"** published in International Journal of Creative Research Thoughts, Volume 10, Issue 11, **November 2022** (ISSN 2320 - 2882)(Paid)

Paper titled **"Home Automation Using Internet Of Things"** published in International Journal for Science and Advance Research In Technology, Volume 5, Issue 4, **27 April 2019** (ISSN 2395 - 1052)(Paid)

Paper titled **"SOC IMPLEMENTATION OF CAN CONTROLLER"** published in International Journal of Engineering Applied Sciences and Technology, Volume 3, Issue 10, **February 2019** (ISSN 2455 - 2143)(Paid)

Paper titled **"Audio based Bird Species Recognition Using Naïve Bayes Algorithm"** published in International Journal of Modern Trends in Engineering and Research, Volume 5 Issue 1, **7 January 2018** (ISSN : 2393-8161)(Paid)

Paper titled **"Composite Structure Fractal Wideband Monopole Antenna for ISM Band Applications"** published in the International Journal of Modern Trends in Engineering and Research, Volume 4 Issue 7, **1 July 2017** (ISSN : 2393-8161)(Paid)

Paper titled **"High Resolution DPW Modulator based on FPGA with Linear behavior of system"** published in the ASIAN JOURNAL OF CONVERGENCE IN TECHNOLOGY (AJCT), Volume 2, Issue 3, **31 December 2016** (ISSN: 2350-1146)(Paid)

Paper titled **"Stepped and Hairpin Combined Wideband Bandpass Filter for ISM Band"** published in the ASIAN JOURNAL OF CONVERGENCE IN TECHNOLOGY (AJCT), Volume 2, Issue 3, **31 December 2016** (ISSN: 2350-1146)(Paid)

Paper titled **"Brain Tumor Classification into Normal and Abnormal Using PCA and PNN Classifier"** published in International Journal of Engineering Development and research, Volume 4, Issue 1, **January 2016** (ISSN 2321 – 9939) (Paid)

Papers Presented/Published in National/ International Conferences - 06

International Conferences – 01

Paper presented titled **""JOP: Java optimised Processor for embedded Real time System"** in Interdisciplinary two day International Seminar on 'IT in academics' organized by Sinhgad Institute of management Pune, held from 20th to 22nd February 2009.

National Conferences – 05

Paper presented titled **"High Resolution DPW Modulator based on FPGA with Linear behavior of system"** at 2nd National Conference on Recent Advances in Science and Technology (RAST) organized by Finolex Academy of Management and Technology, Ratnagiri on 17th and 18th February 2016. Paper Published in Proceedings of **Conference ISBN: 978-93-83046-31-7**, pp.147-151.

Paper presented titled **"Stepped and Hairpin Combined Wideband Bandpass Filter for ISM Band"** at 2nd National Conference on Recent Advances in Science and Technology (RAST) organized by Finolex Academy of Management and Technology, Ratnagiri on 17th and 18th February 2016. Paper Published in Proceedings of **Conference ISBN: 978-93-83046-31-7**, pp.155-158.

Paper presented titled **"Spectral Analysis of HRV signal"** at National level Colloquium 'Techno Evolution-2K9' organized by Amrutvahini College of Engineering Sangamner on 29th January 2009.

Paper presented titled **"ECG rhythm analysis using real time QRS Detection algorithm"** at national conference on 'AISPC-2009' organized by Karmaveer Baburao Ganpatrao Thakare College of Engineering Nashik on 23rd and 24th January 2009.

Paper presented titled **"Implementation of RISC architecture on FPGA platform"** at National Conference on 'Electronics Communication & Automation-08' organized by College of Engineering, Pandharpur, on 23rd and 24th December 2008.

Completed **ISTE** approved One week Online FDP on **"AI Algorithms and Applications in Healthcare"** Organized by Finolex Academy of Management & Technology, Ratnagiri, Maharashtra, from **19th June to 23rd June 2023**.

Completed Two week ISTE approved FDP on **"Advancements in Cryptography, Blockchain and Cryptocurrency"** Organized by Finolex Academy of Management & Technology, Ratnagiri, Maharashtra, from **05th December to 16th December 2022**.

Completed One week Online FDP on **"Amazon Web Services"** Organized by Acharya Institute Of Technology in collaboration with Brainovision Solutions India Pvt.Ltd & All India Council For Technical Education - AICTE from **22nd August to 27th August 2022**.

Completed One week Online FDP on **"Recent Trends in Cyber Security & Blockchain Technology"** Organized by Oriental Institute of Science & Technology, Bhopal, from **28th June to 22nd July 2022**.

Participated and Completed **ISTE** approved One week Online FDP on **"Recent Trends Information Technology"** Organized by Finolex Academy of Management & Technology, Ratnagiri, Maharashtra, from **16th May to 20th May 2022**.

Participated and Completed One week Online training program on **"NBA Accreditation Process"** Organized by National Institute of Technical Teachers Training and Research, from **06th December to 10th December 2021**.

Participated and Completed One week **AICTE Training And Learning (ATAL) Academy** Online FDP on "**Data Science using Python"** Organized by Government Polytechnic Gandhinagar, from **23rd November to 27th November 2020**.

Completed One week online Short Term Training Program on **"Computer Networking with SDN"** organized by Department of Electronics Engineering, Bharati Vidyapeeth (Deemed to be University) College of Engineering, Pune, **Sponsored by AICTE under AQIS** from **26th October to 31st October 2020**.

Completed One week online Short Term Training Program- II on **"Computer Networking & Network Security"** organized by Department of Electronics Engineering, Bharati Vidyapeeth (Deemed to be University) College of Engineering, Pune, **Sponsored by AICTE under AQIS** from 21st September to **26th September 2020**.

Participated and Completed One week **AICTE Training And Learning (ATAL) Academy** Online FDP on "**Artificial Intelligence and Machine Learning using Python"** Organized by Govind Ballabh Pant Institute of Engineering & Technology, from **31st August to 04th September 2020**.

Completed One week online Short Term Training Program on **"RECENT TRENDS IN DATA SCIENCE AND INFORMATION SECURITY"** organized by Department of Computer Engineering, RAIT,Navi Mumbai, from **22nd June to 26th June 2020**.

Participated in One week   Online Faculty Development Program(FDP)   on   "**Exploring   the Dimensions of Innovation,Incubation and Emerging Technologies to Embrace Post COVID Changes"** Organized by Department of Mechanical Engineering FAMT, Ratnagiri from **08th June to 12th June2020**.

Completed One week online Short Term Training Program on **"Signal Analysis, Machine Learning and its Applications using Python and MATLAB"** organized by Department of Electronics and Telecommunication Engineering,RAIT,Navi Mumbai from **1st June to 5th June 2020.**

Participated in One week   National level Online Faculty   Development   Program   (FDP)   on "**Disruptive Technologies of Industry 4.0"** Organized by Department of Computer Engineering Fr. Conceicao Rodrigues College of Engineering Bandra(W), Mumbai from **30th May to 03rd June2020**.

Participated in One week Online   Faculty Development Program(FDP) on "**Opportunities & Challenges in Electronics & Allied Industries in India post COVID-19"** Organized by Department of Electronics Engineering in association with Institution's Innovation Council (IIC) of Vivekanand Education Society's Institute of Technology, from **25th May to 30th May 2020**.

Completed One week online Short Term Training Program on **"Recent Trends and Application of Machine Learning and Deep Learning in IT"** organized by Department of Information Technology,RAIT,Navi Mumbai from **25th May to 29th May 2020**.

Participated in One week Online   Faculty Development Program(FDP) on **"R Programming"** Organized by the Information Technology Department of A. P. Shah Institute of Technology, Thane, in association with IIT Bombay Spoken Tutorial & ISTE from **27th April to 02nd May 2020**.

Attended One Week AICTE-ISTE approved Induction/Refresher program organized by Finolex Academy of Management and Technology, Ratnagiri on "**Digital Image Processing- Issues, Chalanges and Research Avanues"** from 4th June to 8th June 2018

Attended One day Seminar organized by Finolex Academy of Management and Technology, Ratnagiri on **"An introduction to Speech Technology: Automatic Speech Recognition and Text-to-Speech Synthesis"** on 31st January   2018.

Attended Four Week AICTE approved FDP by IIT Bombay on **"Use of ICT in Education for Online and Blended Learning"** from 2nd May to 10th July 2016

Attended Two week AICTE sponsored Faculty Development Program on "**Select Topics in Signal Processing and Machine Intelligence with Hands-on"** conducted during 23rd May to 3rd June, 2016 organized by Department of Electronics and Telecommunication Engineering, College of Engineering, Pune – 411005.

Attended Two Day ISTE STTP on **'Cisco Networking'** Conducted by TechKriti IIT Kanpur and Azure Synet at Finolex Academy of Management & Technology, Ratnagiri on 3rd and 4th February, 2016

Attended One Day FDP On '**Self-Dependence and advantages of Technology and Digital Marketing**' Conducted by Lemures Technologies and IEEE Delhi on 23rd September 2016.

Conferences and Seminars - 03

Attended a Three days technical webinar on **"Arduino programming and internet of things"** Conducted by the Electronics engineering department. DKTE's Textile and Engineering Institute, Rajwada Ichalkaranji Held on **25th to 27th may 2020.**

Participated in the webinar organized by **IEEE STANDARDS ASSOCIATION & MHRD PMMMNMTT FDC**, Shivaji University, Kolhapur on **"IEEE 802.11 and Building Wireless Community Networks",** held on **22nd May 2020**.

Attended 2nd **National Conference** on **Recent Advances in Science and Technology (RAST)** organized by Finolex Academy of Management and Technology, Ratnagiri from 17th to 18th February 2016

Two Week or One Week Workshops - 07

Attended **One Week Workshop** on **"Funding Schemes Available for Research Proposals"** Organized by Research Development and Consultancy cell (RDCC) of Finolex Academy of Management and Technology, Ratnagiri from 13th February to 23rd April 2016

Attended **Two Week** ISTE workshop on **'Pedagogy for Effective Use of ICT in Engineering Education'** Conducted by IIT Bombay under the National Mission on Education through ICT from 5th January 2015 to 31st January 2015.

Attended **Two Week ISTE workshop** on **'Introduction to Designs of Algorithm'** Conducted by IIT Kharagpur under the National Mission on Education through ICT from 27th April to 30th May 2015.

Attended **Two Week** ISTE workshop on **'Signals and Systems'** Conducted by IIT Bombay under the National Mission on Education through ICT from 2nd January to 12th January 2014.

Attended **Two Week** ISTE workshop on **'Computer Programming'** Conducted by IIT Bombay under the National Mission on Education through ICT from 16—21 June 2014.

Attended **Two Week ISTE workshop** on **'Computer Network'** Conducted by IIT Bombay under the National Mission on Education through ICT from 28th to 5th July 2014.

Attended **Two Week** ISTE workshop on **'Analog Electronics'** Conducted by IIT Bombay under the National Mission on Education through ICT from 01-05 April 2013.

Completed a course on "**AI0101EN: AI for Everyone: Master the Basics**" offered by **IBM** in association with **EDX** within duration **07/02/2021 to 28/02/2021**.

Verify: https://courses.edx.org/certificates/a47c1d7c4fa1481a84f5b7ad0ca9ea39

Completed a course on "**PY0101EN: Python Basics for Data Science**" offered by **IBM** in association with **EDX** within duration **23/01/2021 to 21/02/2021**.

Verify: https://courses.edx.org/certificates/b74dab0339e545fa8f897bf46da1afdd

Completed a 3 week course on "**Data Collection and Processing with Python**" conducted by University of Michigan in association with **Coursera** within duration **19/09/2020 to 29/09/2020**.

Verify: https://www.coursera.org/account/accomplishments/certificate/N2KRLXDZCQAE

Completed a 5 week course on "**Python Functions, Files, and Dictionaries**" conducted by University of Michigan in association with **Coursera** within duration **03/09/2020 to 19/09/2020**.

Verify: https://www.coursera.org/account/accomplishments/certificate/2V54GZ65KPEJ

Completed a 4 week course on "**Python Basics**" conducted by University of Michigan in association with **Coursera** within duration **10/08/2020 to 03/09/2020**.

Verify: https://www.coursera.org/account/accomplishments/certificate/CRPTRNA225GH

Completed a 6 week course on "**Machine Learning Foundations: A Case Study Approach**" conducted by University of Washington in association with **Coursera** within duration **02/08/2020 to 09/09/2020**.

Verify: https://www.coursera.org/account/accomplishments/certificate/HB27ZM3G2T65

Completed a 7 week course on "**Capstone: Retrieving, Processing, and Visualizing Data with Python**" conducted by University of Michigan in association with **Coursera** within duration **01/08/2020 to 08/08/2020**.

Verify: https://www.coursera.org/account/accomplishments/certificate/CT2TLYL9HWAM

Completed a 5 week course on "**Using Databases with Python**" conducted by University of Michigan in association with **Coursera** within duration **27/07/2020 to 08/08/2020**.

Verify: https://www.coursera.org/account/accomplishments/certificate/WWRPRNT8MJQL

Completed a 6 week course on "**Using Python to Access Web Data**" conducted by University of Michigan in association with **Coursera** within duration **20/07/2020 to 27/07/2020**.

Verify: https://www.coursera.org/account/accomplishments/certificate/4CWKSCP94CT5

Completed a 7 week course on "**Python Data Structures**" conducted by University of Michigan in association with **Coursera** within duration **18/07/2020 to 20/07/2020**.

Verify: https://www.coursera.org/account/accomplishments/certificate/8J6SVKAASLZK

Completed a 7 week course on "**Programming For Everybody (Getting Started with Python)**" conducted by University of Michigan in association with **Coursera** within duration **16/07/2020 to 18/07/2020.**

Verify: https://www.coursera.org/account/accomplishments/certificate/ELUCVVH96VNJ

Completed a 4 week course on "**The Data Scientist's Toolbox**" conducted by Johns Hopkins University in association with **Coursera** within duration **25/04/2020 to 28/04/2020**.

Verify: https://www.coursera.org/account/accomplishments/certificate/YSVFX8BZLFC7

Completed a 4 week course on "**R Programming**" conducted by Johns Hopkins University in association with **Coursera** within duration **28/04/2020 to 22/05/2020**.

Verify: https://www.coursera.org/account/accomplishments/certificate/6EE4DRQ83RNL

Completed a 12-week **NPTEL online Certification Course** on "**Synthesis of Digital Systems**" conducted by Indian Institute of Technology, Madras within duration **July to October 2019**.

Completed an 8-week **NPTEL online Certification Course** on "**Programming, Data Structures and Algorithms Using Python**" conducted by Indian Institute of Technology, Madras within duration **July to September 2019**.

Completed a 12-week **NPTEL online Certification Course** on "**Joy of Computing using Python**" conducted by Indian Institute of Technology, Madras within duration **January to April 2019.**

Completed a 8 week **NPTEL online Certification Course** on "**Basic Electrical Circuits**" conducted by Indian Institute of Technology, Madras within duration **July to September 2017**.

Professional Membership

Indian Society of Technical Education (I.S.T.E)

Other Experience

Paper Reviewer

Worked as a **Paper Reviewer** of **International Conference on Communication, Information and Computing Technology 2021** in the track **IOT, VLSI and Embedded Systems** organized by **Sardar Patel Institute of Technology, Mumbai** period (from-to) 25-27 June 2021.

College Level Administrative Responsibilities

1. Working as a secretary of NPTEL Student chapter
2. Working as a department coordinator for NAAC Criteria 5 committee.
3. Working as a department coordinator for NBA criteria 1.
4. Worked as a Departmental Mentorship coordinator(Electronics Department) of the Mentorship Committee of Finolex Academy of Management and Technology, Ratnagiri.
5. Worked as organizing committee member in 2nd National Conference on "Recent Advances in Science and Technology"
6. Worked as a department coordinator(Electronics Department) for NAAC Criteria 2 committee
7. Worked as a committee member of the Students Affairs Committee.

Subject Taught

Sr. No.	Name of the Subject	Year/Branch/Semester	Experience
1	Mobile Application Development and Progressive Web App Lab	T.E. Information Technology	3 Years
2	C Programming	First Year	2 Year
3	Java(SBL) Lab	S.E. Information Technology	1 Years
4	Principle of communication	S.E. Information Technology	2 Years
5	Computer Network Security	T.E. Information Technology	1 Year
6	Data Structure	S.E. CSE(AI&ML)	1 Year
7	Advanced Networking Technologies	B.E. Electronics	6 Years
8	Computer Communication Networks	B.E. Electronics	4 Years
9	Digital Image Processing	B.E. Electronics	2 Years
10	Circuit Theory	S.E. Electronics	5 Years
11	Electrical Networks analysis & Synthesis	S.E. Electronics	2 Years

Patents	**Granted**	Nil
	Published	Nil
	Filed	Nil
Copyright	**Granted**	02
	Applied	Nil
International Journals	**Unpaid**	Nil
	Paid	09
National Journals	**Unpaid**	Nil
	Paid	Nil
Conferences	**International**	01
	National	05
Book / Book Chapter Publications	**Book Published**	Nil
	Book Chapter Published	Nil
Research Grant	**Research Grant Received**	Nil
Number of FDP's attended		15
Number of STTP's attended		08
Number of 2 Weeks Workshops attended		06
Number of 1 Week Workshops attended		01
Number of Seminars / Webinars attended		02
Number of Certification / Refresher Courses attended		17
Resource Person Contribution	**Technical Talks / Seminars / Lectures, etc**	Nil
	Outreach Programs / Social Programs / Extensions, etc	Nil