

Curriculum Vitae

Name: Dr. Arti Mohanpurkar

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Date of Birth: 28-01-1978



Academic Credentials

Class/ Degree	Specialization	Institution	Univer sity	Year	%/CGPA	Class
Ph. D.	Computer Science & Engineering	Govt. Engineering College, Chhatrapati Sambhajinagar	Dr. BAMU	2016		
M.E.	Computer Science & Engineering	Walchand college of Engineering, Sangli	Shivaji Univer sity, Kolhap ur	2009	66.6	First
B.E.	Computer Science & Engineering	Govt. Engineering College, Chhatrapati Sambhajinagar	Dr. BAMU	1999	69.6	First Class with Distinction

M. Tech. Project: Watermarking and Fingerprinting of Relational Databases

Key Research Areas: Database, Information Security, Machine Learning

Experience

Sr. No.	Organization	Post	From	To	Years	Months
1	Jawaharlal Nehru Engineering College, Aurangabad	Visiting Lecturer	Aug 1999	Oct 1999		3
2	Jawaharlal Nehru Engineering College, Aurangabad	Lecturer	Sept. 2002	Dec. 2003	1	3
3	S.R.E.S College of Engineering, Kopargaon	Lecturer (UGC approved)	Dec. 2003	June 2006	2	6
4	MAE, Alandi	Lecturer	June 2006	Feb 2009	2	8
5	MAE, Alandi	Assistant Professor	Mar. 2009	June 2009	3	3
6	MMIT, Lohgaon	Assistant Professor	June 2009	June 2013	4	
7	D Y Patil School of Engineering & Technology, Lohgaon	Associate Professor	June 2013	September 2017	4	3
8	Imperial College of Engineering & Research Wagholi, Pune	Associate Professor	September 2017	February 2018		5
9	Marathwada Institute of Technology, Aurangabad.	Associate Professor	23-Feb-2018	September 2022	3	5
10	Maharashtra Institute of Technology, Aurangabad	Associate Professor	September 2022	Till Date	3	

List of Courses Taught / Teaching at UG level

1. Fundamentals of Data Structures, 2. Data Structures and Files, 3. Data Structures and Problem Solving, 4. Data Structures and Algorithms, 5. Principles of Programming Languages, 6. Operating Systems, 7. System Software Programming, 8. Database Management Systems, 9. Software Engineering, 10. Software Testing & Quality Assurance, 11. Information

Assurance and Security, 12. Object Oriented Modelling and Design, 13. Introduction to R with Data Science, 14. Python Programming, 15. Data Warehousing & Data Mining, 16 Universal Human Values II.

List of Courses Taught/Teaching at PG level

1. Applied Algorithms (PG), 2. Software Design and Architecture (PG) 3. Data Science (PG),

Additional Assignments/Duties

- Mentor & Class Teacher,
- Seminar & Project Coordinator,
- Departmental ISO In-charge,
- Practical & Oral Examination In-charge,
- Organisational Website Updation Coordinator,
- Library Software Upgradation In-charge,
- Cultural activity In-charge,
- Head of the Department,
- Academic Coordinator,
- NBA Criteria Coordinator & NAAC Coordinator,
- Student Development Cell Coordinator, Entrepreneurship Development Cell Coordinator
- Covener, CUHV, MITCSN

Membership of Professional Bodies

- Life member of Computer society of India.
- Life Member ISTE

Research Projects/Projects Guided

Projects guided: UG – 11, PG – 26

Computer/Software Proficiency

Unix,

- C,
- JAVA,
- VB6,
- Dev/2000
- Oracle (SQL*Plus, SQL, PL/SQL),
- R,
- Basic Python

Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference Attended

- Attended 6 days workshop on “IOT & Python”, organised by Department of CSE at MIT, Aurangabad (25 June 2018 to 30 June 2018)
- Attended 8 Days FDP on Universal Values III (UHV III) at IIT Kanpur from 6 to 13 July, 2024.
- Attended 1 week Faculty development program on “Generative AI for teaching and Research” organized by the Department of computer Science & Engineering, MIT CSN from 12 to 16 Jan 2026

Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference organized

- Organized 5 days FDP on Agile Technology at Maharashtra Institute of Technology, Aurangabad from 25th to 29th December, 2015.

Invited talks delivered

- “**Introduction to Data Structures**” for SE Computer Engineering students of AISSMS IOIT, Pune on 24th Feb 2010.
- “**Data Structures and Algorithms**” for SE Electronics & Telecommunication of KJ’s TAE, Kondhwa, Pune in September 2014.
- “**Conquer Body, Mind & Soul**”, A motivational session for several Engineering students conducted at different colleges like DYPSOET, Lohgaon, JSPM’s ICOER, DIEMS, Aurangabad, MIT, Aurangabad.
- “**Innovation and Creativity**”, A guest lecture at DIEMS, Aurangabad on October 2019.
- “**Models of Innovation Process**”, delivered a talk as guest speaker at FDP on “Innovation Management” on 7th September, 2021 under AICTE Teaching and Learning (ATAL) Academy scheme from September 06. 2021 to September 10, 2021 through online mode.
- “**Universal Human Values**”, Session delivered on 3rd December, 2024 at MIT, CIDCO in offline mode.

Projects, Research Grants and Consultancy

- Improve material accounting system to arrest quantity issue at each phase. Inventory management And Bin tracking

MSME: Rachana Industries pvt ltd| Waluj, Aurangabad

Academic Institution: Marathwada Institute of Technology, Aurangabad

Project category: Process Automation Amount: Rs. 8510/-

Intellectual Property Rights

Sr. No.	Registrati on Number	Detailed Work	Publication Date
1	Application Number 201721046542	Filed and published a patent titled “An Innovative Smart Location Finding System Through Identification	

List of Research Publications

Papers in National/ International Journal

- “A Robust, Distortion Minimisation Fingerprinting Technique for Relational Database”, International Journal on Recent and Innovation Trends in Computing and Communication, Volume: 2 Issue: 6, June 2015, pp. 1737 – 1741.
- “Optimisation of Insertion Error using PSO with BSCS Collusion Secure Fingerprinting”, International Journal on Recent and Innovation Trends in Computing and Communication, Volume: 2 Issue: 7, June 2015, pp. 1827-1830.
- “Fingerprinting Numeric Databases with Information Preservation and Collusion Avoidance”, *International Journal of Computer Applications*, Vol. 132, No. 5, 2015, pp. 13-18.
- Arti Mohanpurkar, Madhuri Joshi, “The Effect of the Novel Anti-Collusion Fingerprinting Scheme on the Knowledge from Numeric Databases”, *International Journal of Scientific and Engineering Research (IJSER)*, Vol. 6, No. 12, pp. 334 – 338, Dec. 2015.

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- Arti A. Mohanpurkar, Madhuri S. Joshi, “A Traitor Identification Technique for Numeric Relational Databases with Distortion Minimisation and Collusion Avoidance”, *International Journal on Ambient Computing and Intelligence, DBLP indexed, Scopus Indexed*, Vol. 7, No. 2, pp. 137-159, 2016.

Papers in International Conferences Proceedings

- “Java Technology, the next revolution in computing!” presented at ‘MINDBEND’98’, a National level Paper Presentation Contest held by R.E.C. Surat, Gujath, 1998.

- “Fingerprinting of Relational Databases” presented at ‘TSYGECA-06’, a National level Conference held by Govt. Engg. College, Aurangabad, Maharashtra, 2006.
- “Detection of Piracy of Relational Databases” presented at ‘CSIP-2006’, a National level Conference held by Jawaharlal Nehru Engineering College, Aurangabad, Maharashtra, 2006.
- “Copyright protection of Numeric Relational Databases” presented at International Conference IICT-07 held by DIT, Dehradun, 2007.

“Rights Protection of Numeric Relational Databases” presented at International Conference at ACVIT-2007 held by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

- “Applying Watermarking For Copyright Protection, Traitor Identification And Joint ownership: A Review” presented at International IEEE Conference WICT 2011 during 12th to 14th Dec. 2011 co-organized by Machine Intelligence Research Labs (MIR Labs) and University of Mumbai, India
- “Credit Card Fraud Detection Using Hidden Markov Model” presented at International IEEE Conference WICT 2011 during 12th to 14th Dec. 2011 co-organized by Machine Intelligence Research Labs (MIR Labs) and University of Mumbai, India.
- “A Fingerprinting Technique for Numeric Relational Databases with Distortion Minimization”, presented at First International Conference on Computing, Communication, Control and Automation (ICCUBEA-2015), organized by Pimpri Chinchwad Education Trust's, Pimpri Chinchwad College of Engineering, Pune, Maharashtra, India. Technically Co-sponsored By IEEE Pune Section. 26-27 Feb, 2015.

Books/ Book Chapter

NIL

NPTEL Certification

Start Date	End Date	Duration (in Weeks)	Course Name	Marks (Out of 100)	Performance
Nil					

Awards, Achievements and Recognition

Nil

Date: 13 – 02 -2026

Place: Chhatrapati Sambhajnagar