

Curriculum Vitae

Name: Dr. Arti Mohanpurkar

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Date of Birth: 28-01-1978



il:

Academic Credentials

Class / Degree	Specialization	Institution	University	Year	% / CGPA	Class
Ph.D.	Computer Science and Engineering	Govt. Engg, College, Aurangabad	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	Dec 2016		
M.E./ M. Tech.	M. E. CSE	Walchand College of Engineering, Sangli.	Shivaji University, Kolhapur	Feb 2009	66.6	First Division
B.E./B.Tech.	B. E. CSE	Govt. Engg, College, Aurangabad	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	July 1999	69.6	Distinction

ME(CSE)

Title	Watermarking and Fingerprinting of Relational Database
College	Walchand College of Engineering, Sangli.

Ph. D (CSE)

Title	Copyright Protection Techniques for Databases
Guide	Dr. Madhuri Joshi
University	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
Completed on	December 2016

Key Research Areas: Information Security, Database Security, Data Science, Artificial Intelligence

Experience

Sr. No.	Organization	Post	From - To	No. of Years
1	Maharashtra Institute of Technology, Aurangabad.	Associate Professor in the department of Computer Science and Engineering & Academic Coordinator	(August 2023- Till Date)	1 year 8 months
2	Maharashtra Institute of Technology, Aurangabad.	Head of the department of Basic Sciences & Humanities and Associate Professor in the department of Computer Science and Engineering	(September 2022- till August 2023)	11 months
3	Marathwada Institute of Technology, Aurangabad.	Associate Professor (CSE) & Head of the department of Basic Sciences & Humanities	(June 2021 - September 2022)	1 yr 3 months
4	Marathwada Institute of Technology, Aurangabad.	Associate Professor (CSE)	(February 2018 - June 2021)	3 years 4 months
5	JSPM's Imperial College of Engineering & Research Wagholi, Pune.	Associate Professor in Department of Computer Engineering	(September 2017 -February 2018)	5 months
6	D Y Patil	Head and Associate Professor	(June 2013 -	4 years

	School of Engineering & Technology, Lohgaon.	Department of Computer Science & Engineering	September 2017)	2 months
7	MMIT, Lohgaon.	Assistant Professor in Department of Computer Engineering & Information Technology	(June 2009 - June 2013)	4 years
8	MAE, Alandi.	Assistant Professor in Department of Information Technology	(March 2009 - June 2009)	3 months
9	MAE, Alandi.	Lecturer in Department of Information Technology	(June 2006 - Feb 2009)	2 years 8 months
10	S.R.E.S College of Engineering, Kopargaon.	Lecturer in Department of Information Technology	(December 2003 - June 2006)	2 years 6 months
11	MGM's JNEC, Aurangabad	Lecturer in Department of Computer Science & Engineering	(September 2002 -December 2003)	1year 3 months
12	Wockhardt Ltd. Chikalthana, Aurangabad	ERP Software Support Engineer	(May 2000 - Aug 2000)	3 months
13	MGM's JNEC, Aurangabad	Visiting Lecturer in Department of Computer Science & Engineering	(August 1999 - October 1999)	3 months
14	Innovative Pvt. Ltd	System Analyst	(August 1999 - October 1999)	3 months
Total Experience				23 years, 1 month

Project [Modules-Stores, Production, BSR & QA] in Wockhardt Ltd. Chikalthana, Aurangabad

for a period of three months. [Oracle7/D2k]

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. Data Warehousing & Data Mining, 14. Introduction to R with Data Science, 15. Python Programming, 16 Universal Human Values II.

List of Courses Taught/Teaching at PG level:

Applied Algorithms (ME), 14. Software Design and Architecture (ME) 15. Data Warehousing & Data Mining, 16. Data Science

Additional Assignments/Duties:

SPPU, Pune

- Mentor & Class Teacher,
- Seminar & Project Coordinator,
- PG Teacher Recognition
- Departmental ISO In-charge,
- Practical & Oral Examination In-charge,
- Organisational Website Updation Coordinator,
- Worked as Head of the Computer Science and Engineering Department

MIT, Aurangabad

- Worked as Head of the Basic Sciences & Humanities Department
- Worked as Entrepreneurship Development Cell Coordinator
- Cultural activity In-charge
- Worked as SPOC for Smart India Hackathon
- Worked Zonal Coordinator for Avishkar 2019

Membership of Professional Bodies:

- Life member of ISTE LM 71724
- Life member of CSI LM 95257

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

WORKSHOPS ATTENDED

- Attended 6 days workshop on “IOT & Python”, organised by Department of CSE at MIT, Aurangabad (25 June 2018 to 30 June 2018)
- Participated in 1-Day State Level workshop on “New Education policy” on 26 June 2019 at MIT Aurangabad.
- Accompanied the ‘Team Invincibles’ for the Grand Finale of Smart India Hackathon 2022 at IIT Dhanbad as nodal centre.

- Participated in one week Faculty Development Programme, “Problem Based Learning towards Advanced Pedagogy”, organised by NITTR, Kolkata, during 20-23 March 2023
- Participated in Faculty Development Program from 19 to 24 June 2023 on Python 3.4.3 organized by Maharashtra Institute of Technology Chh. Sambhajinagar (Aurangabad) by Spoken Tutorial Project, IIT Bombay.
- Attended Workshop On Industry 4.0: Participated & Completed AICTE Training And Learning (Atal) Academy Faculty Development Program On Industry 4.0: Technology, Challenges And Opportunities For Indian SMEs at Maharashtra Institute Of Technology From 11 to 16 December, 2023.
- Attended Faculty Development Program on Recent Trends in Health Care from 16 to 22 December, 23 organised by VIIT, Pune in online mode.

ORGANISING WORKSHOP/CONFERENCES

Nil

Invited talks delivered:

1. **“Innovation and Creativity”**, A guest lecture at DIEMS, Aurangabad on October 2019.
2. **“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.
3. **“Universal Human Values”**, Session delivered on 3rd December, 2024 at MIT, CIDCO in offline mode.

Intellectual Property Rights

Details of Patent

Sr. No	Patent Title	Name of Applicant(s)	Patent No.	Award Date	Agency / Country	Status
1	An Innovative Smart Location Finding System Through Identification	1. Dr. Arti Arun Mohanpurkar, 2. Bhushan C. Kulkarni	201721046542	18/02/2022	Indian Patent Office Government of India	Published

List of Research Publications

Papers in National/ International Journal

1. "Fingerprinting of Relational Databases" presented at 'TSYGECA-06', a National level Conference held by Govt. Engg. College, Aurangabad, Maharashtra, 2006.
2. "Detection of Piracy of Relational Databases" presented at 'CSIP-2006', a National level Conference held by Jawaharlal Nehru Engineering College, Aurangabad, Maharashtra, 2006.
3. "Copyright protection of Numeric Relational Databases" presented at International Conference IICT-07 held by DIT, Dehradun, 2007.
4. "Rights Protection of Numeric Relational Databases" presented at International Conference at ACVIT-2007 held by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
6. "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
7. "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.
8. "A Fingerprinting Technique for Numeric Relational Databases with Distortion Minimization", presented at First International Conference on Computing, Communication, Control and Automation (ICCUBE-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.
9. Arti Mohanpurkar et.al., "Theatre Seat Finding System", 1st International Conference on Recent Innovation in Engineering and Technology (ICORIET-2018) 22nd and 23rd March, 2018 organized by Department of Computer Engineering Dr. D Y Patil Educational Enterprises Charitable Trust's Dr. D. Y. Patil School of Engineering & Technology, Pune, Maharashtra, India.
10. Arti Mohanpurkar et.al., "A Survey on Identification, Processing and Notification Techniques", 3rd International Conference on Internet of Things, Next Generation Networks and Cloud Computing 2018 February 16th to 17th, 2018, organised by

Department of Computer Engineering, Smt. Kashibai Navale College of Engineering, Pune-41 in association with SPPU.

11. Arti Mohanpurkar et. al., “Digital Garbage Management and Energy Conservation” at the International Conference on Emerging Trends in Engineering and Sciences (ICETES-2025), held on 7th-8th February 2025 at Jawahar Education Society's, Institute of Technology, Management & Research, Nashik, Paper is selected for Publication in Cureus Journal of Computer Science of Springer Nature.

Papers in National /International Conference Proceedings

1. “Collusion Avoidance in Fingerprinting Outsourced Relational Databases with Knowledge Preservation”, International Journal on Recent and Innovation Trends in Computing and Communication, Volume 2, Issue 5, May 2014, pp.1332 – 1337.
2. “A Robust, Distortion Minimization 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.
3. “Optimization 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.
4. “Fingerprinting Numeric Databases with Information Preservation and Collusion Avoidance”, International Journal of Computer Applications, Vol. 132, No. 5, 2015, pp. 13-18.
5. 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.
6. Arti A. Mohanpurkar, Madhuri S. Joshi, “A Traitor Identification Technique for Numeric Relational Databases with Distortion Minimization and Collusion Avoidance”, International Journal on Ambient Computing and Intelligence, **DBLP indexed, Scopus Indexed**, Vol. 7, No. 2, pp. 137-159, 2016.

Date: 26th April 2025

Place: Aurangabad

Dr. Arti Arun Mohanpurkar
Associate Professor in CS&ED