

CURRICULUM VITAE

Personal data

Name	Vandana Shridhar Inamdar
Designation	Associate Professor Department of Computer Engineering
Date of birth	Sep 3,1967
Residential address	C-401 Suncity, Anand nagar, Singhagad road, India -PUNE 411 051
Office address	Department of Computer Engineering Government College of Engineering and research, Awasari Khurd
Mail id	vsinamdar.comp@gcoeara.ac.in

Academic Qualification

- Ph.D - Pune university April 2013
- Master of Engineering in Electronics- (Specialization Computer) from Pune University , Dec.1997, 1st class
- Bachelor of Engineering in Electronics from Shivaji University, July 1989, 1st class with distinction

Memberships of Professionals/Learned bodies/Societies

- Computer society of India
- Institute of Electronics and Telecommunication engineers, IETE
- Indian Society of Technical education ,ISTE
- IEEE, Signal Processing Society
- International Association of Computer science and Information technology, IACSIT

Work experience

- Working as a Associate Professor in Computer Engineering department of College of Engineering and Research Awasari khurd, from 13th August 2021 till date
- Worked as a Associate Professor in Computer Engineering department of College of Engineering, Pune from July 20018 till 12th August 2021
- *Worked as a Head of Department of Computer Engineering and IT, college of Engineering, from July 2015 to June 2018*
- Worked as a Associate Professor in Computer Engineering department of College of Engineering, Pune from Jan.2006 till July 2015
- Worked as a Assistant Professor in Computer Engineering department of College of Engineering, Pune from Nov. 1999 till Dec.2005
- Worked as a Lecturer in Electronics and Telecommunication department of College Of engineering, Pune during the period of Sep 1991 to Nov 1999.
- Worked as a Production engineer in Minilec Control Private limited, Pune during the period of Oct. 1989 to Sep. 1991

Academic experience

- No. of students who completed Ph.D- 2, ongoing Ph. D scholar -4
- Guided more than twenty PG projects and fifty UG projects
- Subject taught :
Multimedia Techniques, Digital Signal processing, Discrete Structure and Graph theory, Data Structure, Digital Electronics
Microprocessor Techniques, Advanced Computer Architecture,
Internet of things, Probability statistic and queuing theory

Research Projects handled

Completed:

- Research project funded by Department of Science and technology, ICPS division " Design and Development of Adaptive Energy Efficient Security Mechanisms for Mobile Computing Devices, Year 2018, Rs.15 lakhs
- Research project funded by All India Council of Technical Education titled "Authentication of digital media through biometric watermarking" Year 2012 Rs.3.58 lacs
- MODROB project on " Advanced Computer graphics" Year 2008, Rs.8 lacs.
- NVIDIA CTC grant Rs. 1 lacs

Conferences/workshops/ organized

- 12th ACM International conference on Innovations in Software Engineering, 14-16 Feb.2019
- Organized IEEE international conference on Computing, Analytics and Security Trends- CAST 2016, Dec 2016

- Industry institute interaction meet on 20th August 2016
- As a head organized various FDPs in the domain of Cyber security, Network administration etc.
- Coordinated workshop on Multimedia Application development on Apple system" under TEQIP networking activity Feb 2007

Academic responsibilities

- Worked as a reviewer for various international journal and conference papers
- Played a major role in developing and updating the curriculum of Computer UG and PG courses and UG IT courses, introducing new PG programs, setting up new laboratories in association with industry
- Worked as a TEQIP coordinator for department

Administrative responsibilities

- worked as a head of the department during July 2015 to June 2018
- Worked as PG Coordinator
- Worked as member of local inspection committee of Pune iniversity
- Worked as a member of inspection committee appointed by Director of Technical Education, Mumbai
- Worked as member of selection committee appointed by University of Pune
- Worked as in-charge of various co curricular activities of students.
- Played a major role in industry institute interaction.

Out Reach activities

- Resource person for FDP at various institute
- working as BOS member for VIT, Pune
- As a session chair for national conference Dy. Patil College of Engineering, Pune- 17 Feb.2016
- BOS member of Department of Computer Engineering, VIT Pune
- As a expert for recruitment panel in other institute affiliated to Pune..

Paper publication:

International journal

- 1) Priyanka Bagul and Dr. Vandana Inamdar "Performance Comparison of Parallel Computing Techniques for Processing CT Scan Images" *Grenze International Journal of Engineering and Technology*, Jan Issue Grenze ID: 01.GIJET.7.1.9_1 © Grenze Scientific Society, 2021
- 2) Swati Suresh Patil, Pratik, Vandana Inamdar, Depth recovery in time of flight range sensors via compressed sensing algorithm, Springer, Intelligent Robotics and Applications, Volume 4, April 2020
- 3) Chandrama Thorat, Vandana Inamdar, B. Jadhav "TED: a lightweight block cipher for IoT devices with side-channel attack resistance," *International Journal on Information Technologies and Security*, No.2, Vol. 12, pp. 83-96, 2020. (ESCI Indexed)

- 4) C.G. Thorat, V.S. Inamdar, "Implementation of new lightweight block ciphers" Elsevier, Applied Computing and Informatics, May 2018
- 5) Chandrama Thorat, Vandana Inamdar, "Recent Trends in Energy Efficient Security Implementation for Resource Constraint Devices," International Journal of Creative Research Thoughts (IJCRT), No-2, Vol-6, Jan 2018.
- 6) Salman Sayed, Dr. Mrs. Vandana Inamdar, Sangram Kapre , " Detection of Diabetic Retinopathy using Image Processing and Machine Learning ", International Journal of Innovative Research in Science, Engineering and Technology" Volume 6, Issue 1, Jan. 2017,pp1111-111
- 7) Anita L. Devkar, Vandana S. Inamdar "Dynamic Document Annotation using CADs and USHER for document searching" International Journal Of Research In Information Technology, Volume 3, Issue 9, September 2015, pp. 113-118
- 8) Anita L. Devkar, Vandana S. Inamdar "Combine Approach of CADs and USHER Interfaces for Document Annotation" International Journal of Computer Sciences and Engineering, Volume 3, Issue 4, pp. 38-54, ISSN: 2347-2693
- 9) Poonam Bhogade, Vandana Inamdar, " Implementing racing application using GPS and GPRS/ GSM device , International Journal of Scientific and Engineering Research, Volume 6, Issue 5, May -2015, ISSN: 2229-5518
- 10) Poonam Bhogade, Vandana Inamdar, " To develop racing application for real time result calculation using GPS/GSM device", International Journal of Computer Application (0975-8887), Volume 115- No.9, April 2015
- 11) Vandana Inamdar, Priti Rege, " Dual watermarking technique with multiple biometric watermark" Springer *Sadhana* Vol. 39, Part 1, February 2014, pp. 3–26, Indian Academy of Sciences
- 12) Vandana Inamdar, Priti Rege, Chandrama Thorat , "Rotation Scale Invariant Semi Blind Biometric Watermarking Technique for Color Image "ACEEE International journal on signal and image processing, Vol 3, Issue 1, 2012, PP.15-20, ISSN 2152-5056 (online)
- 13) Vandana S Inamdar and Priti P Rege , " Face Features Based Biometric Watermarking of Digital Image Using Singular Value Decomposition for Fingerprinting" International Journal of Security and Its Applications ,Vol. 6, No. 2, April, 2012 , pp.47-60, ISSN 1738-9976
- 14) Sonika C. Rathi , Vandana S. Inamdar , " Medical Images Authentication Through Watermarking Preserving ROI " Health Informatics - An International Journal (HIJ) Vol.1, No.1, August 2012, PP 27-42
- 15) Vandana Inamdar , Priti Rege, Meenkshi Aarya, " Offline Handwritten Signature based Blind Biometric Watermarking and Authentication Technique using Biorthogonal Wavelet Transform", International Journal in Computer Applications , Dec.2010, (0975 – 8887) Volume 11– No.1, November 2010
- 16) Swapnil Joshi, Vandana Inamdar "Performance Improvement in Large Graph Algorithms on GPU using CUDA:" An Overview, International Journal in Computer Applications , Nov .2010, (0975 – 8887) Volume 10– No.10, November 2010
- 17) Meenkshi Aarya, Vandana Inamdar , "A Preliminary Study on Various Off-line Hand Written Signature Verification Approaches" International Journal in Computer Applications , Feb.2010
- 18) Nilima Khachare, Vandana Inamdar, "Survey of Face Recognition Techniques", International Journal of Computer Applications , Feb. 2010
- 19) Anagha Kulkarni, Vandana Inamdar, "CifrarFS – Encrypted File System Using FUSE",

- International Journal of Computer Science and Security , (IJCSS) Volume (3) : Issue (4), October 2009, CSC Press, Computer Science Journals, Kuala Lumpur, Malaysia
- 20) Amol Jaikar, Vandana Joshi ,”Computational Performance Improvement of steganography Using GPU,” CIIT International Journal of Image processing June 2009
 - 21) Vahida Attar, Vandana S. Inamdar, ‘ Materialized views in data mining,” International Journal of computer Science and network security, Korea, Dec.2007

International Conferences

- 1) Manojkumar Potphode,, Vandana Inamdar “Measuring Topic Based Influence of Users”, 2021 2nd IEEE Global Conference for Advancement in Technology (GCAT) Bangalore, India. Oct 1-3, 2021
- 2) Aniket Zope, Vandana Inamdar “Edge Enhancement for Image Super-Resolution using Deep Learning Approach ”, 2021 2nd IEEE Global Conference for Advancement in Technology (GCAT) Bangalore, India. Oct 1-3, 2021
- 3) Onkar Ekbote, Vandana Inamdar , “ A realistic mathematical approach for academic feedback analysis system” Proceeding of International Conference on Computational Science and Applications, Algorithms for intelligent System, Springer Nature Singapore, ICCSA2019
- 4) Chandrama Thorat, and Vandana Inamdar, “Energy Measurement of Encryption Techniques using jRAPL Tool,” In 2017 International Conference on Computing, Communication, Control And Automation(ICUBECA), IEEE, 2017, pp.412-417.
- 5) Patil, Swati S., and Vandana S. Inamdar. ”Resolving Interference in Time of Flight Range Sensors via Sparse Recovery Algorithm.” In Proceedings of the 2020 3rd International Conference on Image and Graphics Processing, ACM digital library, 2020, pp. 106-112”
- 6) Mahesh Chaudhari, Kedar Kulkarni, Shreeya Badhe , Vandana Inamdar, Evaluating Effect of Write Combining on PCIe Throughput to Improve HPC Interconnect Performance [IEEE International Conference on Cluster Computing 2017](#)
- 7) Savita Chandure , Vandana Inamdar “Performance analysis of handwritten MODI and devnagari character recognition system”, 2016 International Conference on Computing, Analytics and Security Trends (CAST) ,College of Engineering Pune, India. Dec 19-21, 2016
- 8) Swati Patil , Dr. Vandana Inmadar “Multipath Mitigation in Time of Flight 3D Sensor based on Direct and Global Separation technique”, 2016 International Conference on Computing, Analytics and Security Trends (CAST) ,College of Engineering Pune, India. Dec 19-21, 2016
- 9) Priyanka Bagul, Sourabha Radheshyam Chitraniya , Vandana Inamdar “ Redefining Role of RC in the field of GPU”, IEEE International Conference on Information Processing (ICIP, Dec.16-19, 2015
- 10) Yogesh D. Bhadke, Manik R. Kawale, Dr. Vandana Inamdar " Development of 3D-CFD code for Heat Conduction Process using CUDA" , IEEE International Conference on Advances in Engineering & Technology Research (ICAETR - 2014), August 01-02, 2014, Dr. Virendra Swarup Group of Institutions, Unnao, India
- 11) Manik R. Kawale, Yogesh D. Bhadke, Dr. Vandana Inamdar "Parallel Implementation of Eigenface on CUDA, IEEE International Conference on Advances in Engineering &

- Technology Research (ICAETR - 2014), August 01-02, 2014, Dr. Virendra Swarup Group of Institutions, Unnao, India
- 12) Sonika C. Rathi and Vandana S. Inamdar “ Analysis of Watermarking Techniques For Medical Images Preserving ROI” CCSEA, SEA, CLOUD, DKMP, CS & IT 05, pp. 297–308, 2012., CS & IT-CSCP 2012, DOI : 10.5121/csit.2012.2230
 - 13) Ms. Snehal A. Kambale, Mrs. Vandana .S Inamdar ,” Gabor filter for Feature Extraction: A Review” Proc. of the International Conference on Advanced Computing and Communication Technologies (ACCT 2011) pp.268-271
 - 14) Jyoti Kulkarni, A.A. Sawant, Mrs. V.S. Inamdar, "Database Processing by Linear Regression on GPU using CUDA ," International conference on Signal Processing, Communication Computing and Networking Technologies (ICSSCN 2011), 21,22 July 2011
 - 15) Ms. Vandana Inamdar , Priti Rege, “Speech as a Biometric Watermark for Digital Images Using Stationary Wavelet Transform “, at IEEE international conference on Computer Technology and Development (ICCTD 2010), Cairo Egypt in Nov.2010
 - 16) Vandana s. Inamdar , Dr. Priti Rege, Ms. Aarati Bang ,” Speech based watermarking of digital images”, IEEE international conference TENCON Nov.2009, Singapore
 - 17) Gyankamal chajjed , Vandana S Inamdar , Vahida Attar, “Steganography in Black and white picture images,” IEEE CISP 2008 International Congress on Image and signal Processing Sanya, China May 2008
 - 18) Pallavi Dalal, Vandana Joshi ,” “Clustering of Automobile Information Using Self Organizing Maps”, IEEE International Conference TENCON 2003, Bangalore Oct.2003 Vol. 4 pp. 1267-1271

National Conferences

- 1) V.K. Pachghare, Vandana Joshi ,” Digital Watermarking”, 3rd National level conference on Emerging Trends in Computer Communication and Network, Hosur, TN, 2006
- 2) Pawan Deshpande, Vandana Joshi , “Addressing various issues to biometric matching Complexities”, Sep. 2005 Pune India
- 3) kishori Bangale, vandana Joshi, ‘’ News paper reading using hybrid syllabic text to speech synthesis,” National level conference in Communication, Information & telematics, CITEL 2005 pp.84-88, Hosur, Coimbatore , 2005

Conference attended:

Sr. No.	Title of the Paper	Title of the Conference	Period	Venue
1	Speech based watermarking of digital images	IEEE international conference TENCON	Nov.2009	Singapore
2	Speech as a Biometric Watermark for Digital Images Using Stationary Wavelet Transform	IEEE international conference on Computer Technology and Development (ICCTD 2010),	Nov.2010.	Cairo, Egypt
3	Rotation Scale Invariant	“ACEEE International Joint	2011 December	Noida. Delhi

	Semi Blind Biometric Watermarking Technique for Color Image	Conference on Advances in Engineering and Technology, AET 2011	20-21, 2011	
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Workshops attended (in chronological order)				
Sr. No.	Title of the Workshop	Period	Duration	Venue
1	Management capacity Enhancement programme	Sep. 7-11, 2015	One week	IIM, Bangalore
2	Digital Signal Processing	March 9 -13 ,2014	One week	IIT Bombay
3	Machine learning and data mining: A research perspective	March 28- April 6 ,2013	Two week	College of Engineering, Pune
4	Introduction to research methodologies	June 25 - July 04, 2012	Two week	Online Course of IIT Bombay at VIT, Pune
5	Tool assisted software analysis for practical applications	Dec 10-19, 2012	Two week	College of Engineering, Pune
6	Scientific Computation on General purpose Graphical processing Units	June 18-22, 2012	One week	College of Engineering, Pune
7	Latex for Technical documentation	June 12-16, 2012	One week	College of Engineering, Pune
8	Neural Network design	June 13-25, 2011	Two week	Sinhagad College of Engineering, Pune
9	Programming with labview	Feb 1-5, 2011	One week	VIIT, Pune
10	Web development and Multimedia	July 17-22, 2006	One week	Sinhagad College of Engineering
11	Still image and Video processing	June 14 -26, 2004	Two week	College of Engineering, Pune
12	Advanced Digital signal processing	24th May- 5 June 2004	Two week	College of Engineering, Pune

Vandana S. Inamdar