Dr. Swati Avinash Bhavsar

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Professional Objective:	

To work in an education system, where I can use best of my knowledge and skills to achieve organizational excellence.

Academic Details:

- Doctorate in Computer Engineering from Savitribai Phule Pune University, Pune
- Master of Computer Engineering from Sinhgad College of Engineering, Pune
- Bachelor of Computer Engineering from University of Pune, Kopargaon

Employment Details:

Teaching Experience:	**16 Years**
Current Designation	Associate Professor (Department of Computer Engineering)
Name of Employer:	Matoshri College of Engineering and Research Center, Nashik
Date of Joining: (current institute)	8th August 2008
Earlier Employment Record	➢ 3 years of teaching experience as Lecture at Department of Information Technology, K. K. Wagh Institute of Engineering Education and Research, Nashik from 18th December 2005 to 7th August 2008.
Research Interest	Image Processing, Graph Processing.
PhD Work Title	"Development of Novel Algorithms for Analysis and Visualization of Large Graph"
Doctoral Advisor	Dr. Varsha H. Patil, Vice Principal, Matoshri College of Engineering and Research Centre, Nashik. Chairman, BoS (Computer Engineering), SPPU.
Awards:	Recipient of "Lokmat Prerana Award", Year 2020
IPR **(Patent -01)+ Copyright -09)**	**Patents:** 1. Filed Patent "IoT Based System For Computing Human Density For Critical Situation Recognition And Precaution For Avoiding Accidents", **Status: Published** Patent, Application No.201721046250 **Copyrights:** 1. Registered Copyright for "An Author Publication Information Retrieval Algorithm", Registration Number L-76338/2018 2. Registered copyright for "Development of Novel Algorithm for Analysis and Visualization of Large Graph", Registration Number-L-69172/2017 3. Registered copyright for "An Efficient Partition Building and Cut Set Computing Algorithm (AEPBCCA)", Registration Number-L-77828/2018

	4. Registered copyright for "Research Scholar Handbook ", Registration Number-L-71157/2017 5. Registered copyright for "Project Workbook", Registration Number- L-66962/2017 6. Registered copyright for "Efficient Framework for Partitioning Positive Hypergraph into Dense Sub-graph", Registration Number SL-10523/2018 7. Registered copyright for "Real Time Document Recommendations Based on User Conversation", Registration L-66149/2017 8. Registered copyright for "Content Based Image Retrieval using Affinity Graph Based on Image Segmentation", Registration Number L-66630/2017 9. Registered copyright for "Analysis of Frequent Sub Graph Mining Algorithms using Map reduce Framework", Registration Number L-66598/2017
Association with Professional Societies (03)	• Professional Member of Association of Computing Machinery • Fellow member of the Institute of Engineers, India IE(I) • Life member of Computer Society of India (CSI)
Association with Conferences and Journals	Served as co- convener, Reviewer and Session Chair for various National and International Conferences.
Contribution In Curriculum Development	Contribution in curriculum development at UG, PG Engineering in capacity of Committee Member.
Funded Research Projects: (02)	• Completed Minor Research project as Principal- investigator "Marathi Handwritten Character Recognition System using Neural Networks", Savitribai Phule Pune University Grant No:14ENG001284, 2014-2016. • Completed Minor Research project as co- investigator "Use of Wireless Sensor Network and GPRS Module for Automated Irrigation System", under research grant of SPPU, BCUD/83 dt-09/03/2014 Grant No: 14ENG000850, 2014-2016.
Invited Talks	Delivered talk for Teachers & Students at various National level seminar, STTP, Workshops and lecture series for Students.
MOOC/ AICTE FDPs/ Certificate Courses	
NPTEL	Successfully completed NPTEL online certification- AICTE approved FDP titled "The Joy of Computing with Python" with 87%
	Successfully completed NPTEL online certification- AICTE approved FDP titled "Programming, Data Structures and Algorithms using Python" with 100%
	Successfully completed NPTEL online certification- AICTE approved FDP titled "NBA Accreditation and Teaching-Learning in Engineering (NATE)" with 98%
	Successfully completed NPTEL online certification- AICTE approved FDP titled "Programming in C++"
	Successfully completed NPTEL online certification- AICTE approved FDP titled "Problem Solving Through Programming in C "
	Successfully completed NPTEL online certification- AICTE approved FDP titled "Theory of Computation"
	Successfully completed NPTEL online certification- AICTE approved FDP titled "Soft Skills"
	Successfully completed NPTEL online certification- AICTE approved FDP titled "Distributed Systems"
Coursera	"Programming for Everybody" (Getting Started with Python)- an online non-credit course authorized by University of Michigan

	"Computer Vision Basics" -an online non-credit course authorized by University at Buffalo and The State University of New York
	"Introduction to Data Science in Python"- an online non-credit course authorized by University of Michigan
	"Python Programming: A Concise Introduction" -an online non-credit course authorized by Wesleyan University

- **Conferences/Workshop/Seminars/ STTP attended:**   **29**
- **Conferences/Workshops Organized:**   **05**

Publications:	
Books (03)	➢ "Theory of Computer Science", Nirali Prakashan,Pune July 2017, ISBN: 978-93-867-00-08-7 ➢ "Design and Analysis of Algorithms", Nirali Prakashan, Pune, January 2018, ➢
Research Papers **(28)**	• International Journal = 16 • International Conference = 07 • National Conference = 05
Publications Indexed at: SCI, Scopus, Elsewier	