

## Curriculum Vitae

**Name:** Ms. Bharati Prakash Chaudhari

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**Date of Birth:** 1<sup>st</sup> June, 1980



### Academic Credentials

Class/ Degree	Specialization	Institution	University	Year	%/CGPA	Class
Ph. D	Computer Science and Engineering	Dr. B.A.M.U. Aurangabad	Dr. B.A.M.U. Aurangabad	In Process	--	--
M.E.	Computer Science and Engineering	Government College Of Engineering, Aurangabad	Dr. B.A.M.U. Aurangabad	2010	81.25	Distinction
B.E	Computer	K. K. Wagh College of Engineering, Nashik	Pune	2003	62.2	First Class

### M. E. Project:

Digital Image Watermarking using ICA

### Key Research Areas:

Image Processing

### Experience

Sr. No.	Organization	Post	From	To	No. of Years
1	MIT, Aurangabad	Lecturer (Re- designated as Assistant Professor)	08 <sup>th</sup> July 2006 to Till Date		15 Years
2	MIT, IT, College, N-4, Cidco, Aurangabad	Lecturer	13 <sup>th</sup> Feb 2003 to 07 <sup>th</sup> July 2006		3.5 Years

### **List of Courses Taught/Teaching at UG level**

Programming and Problem Solving  
Computer Fundamentals and Programming  
Discrete Mathematics  
Digital Image Processing  
Computer Graphics  
Data Structures  
Software Engineering  
DOS-II (Python Programming)

### **List of Courses Taught/Teaching at PG level**

Advanced Digital Image Processing

### **Additional Assignments/Duties**

Working as a Practical/Oral Coordinator for Dr. B. A. M. University Examination  
Working as a Lab In-charge for Linux Lab  
Working as a Internal Complaint Committee Coordinator  
Working as a ERP Coordinator  
Worked as a departmental Project Coordinator  
Worked as a Central Practical/Oral Coordinator for Dr. B. A. M. University Examination  
Worked as a Central Internal Complaint Committee Coordinator  
Worked as a departmental Time table Coordinator  
Worked as a Class Teacher

### **Membership of Professional Bodies**

Life Member of CSI (01219548)

### **Research Projects/Projects Guided**

- ◆ M.E. Project: Reversible Data Hiding by Reserving Room before Encryption
- ◆ M.E. Project: Feature Match: A General ANNF Estimation Technique
- ◆ M.E. Project: Improving and Enhancing the Security using Hi-pass

### **Computer/Software Proficiency**

MATLAB  
Python Programming  
C++ Programming

C Programming

HTML

MS office (Ms Excel, MS Word, MS PowerPoint)

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

- ◆ Attended One Week AICTE ATAL Sponsored Faculty Development Program (Online Mode) on “Cyber Security & Cyber Forensics” at Maharashtra Institute of Technology, Aurangabad during the period 5<sup>th</sup> July 2021 to 9<sup>th</sup> July 2021.
- ◆ Attended One Week Online workshop on “Next Generation Software Tools and Trends for Industrial Solutions: Current Practices”, NGST-2020 organised by Government College of Engineering Aurangabad in twinning with mentee Institute Ujjain College of Engineering, Ujjain Sponsored by Technical Education Quality Improvement Programme (TEQIP-III) from 13<sup>th</sup> June 2020 to 17<sup>th</sup> June 2020.
- ◆ Attended One Week Online AICTE Recognized Faculty Development Programme on NBA Accreditation of Engineering Programs Organized by Mechanical Engineering Department NITTTR, Chandigarh from 11<sup>th</sup> May 2020 to 15<sup>th</sup> May 2020.
- ◆ Attended a Six days Faculty Development Program on Data Science organized by Faculty Development Centre in Cyber Security and Data Sciences, Shivaji University, Kolhapur hosted by Maharashtra Institute of Technology, Aurangabad during 24<sup>th</sup> June 2019 – 30<sup>th</sup> June 2019
- ◆ Attended a Twelve days IIRS outreach programme on Hyperspectral Remote Sensing and its Applications from 21<sup>st</sup> January 2019 to 01<sup>st</sup> February 2019
- ◆ Attended a Five days Workshop on Use of ICT for Effective Teaching Learning at Maharashtra Institute of Technology, Aurangabad from 08<sup>th</sup> January 2019 to 12<sup>th</sup> January 2019
- ◆ Attended a One week STTP on Deep Learning at Maharashtra Institute of Technology, Aurangabad from 2<sup>nd</sup> July 2018 to 7<sup>th</sup> July 2018.
- ◆ Attended online course by IIT Bombay on “Programming Basics” from 21<sup>st</sup> February 2017 to 12<sup>th</sup> December 2017.
- ◆ Attended Online course by IIT Bombay on “Object – Oriented Programming” from 21<sup>st</sup> February 2017 to 12<sup>th</sup> December 2017
- ◆ Attended Online course by IIT Bombay on “Pedagogy for Effective Teaching Learning of CS in Schools” from 18<sup>th</sup> May 2017 to 29<sup>th</sup> May 2017
- ◆ Attended Online course by IIT Bombay on “3D Architectural Visualization”, from 17<sup>th</sup> November 2016 – 26<sup>th</sup> January 2017

- ◆ Attended Online course by IIT Bombay on “Basic 3D Animation using Blender”, from 01<sup>st</sup> June 2016 to 06<sup>th</sup> October 2016
- ◆ Attended online course by IIT Bombay on “Algorithms” from 13<sup>th</sup> September 2016 to 4<sup>th</sup> November 2016.
- ◆ Attended online course by IIT Bombay on “Implementation of Data Structures”, from 12<sup>th</sup> July 2016 to 09<sup>th</sup> September 2016.
- ◆ Attended Online course by IIT Bombay on “Foundation of Data Structures”, from 5<sup>th</sup> April 2016 to 3<sup>rd</sup> June 2016
- ◆ Attended Online course by IIT Bombay on “Technical Communication for Scientists and Engineers”, from 11<sup>th</sup> January 2016 to 2<sup>nd</sup> May 2016
- ◆ Attended a Five Days Agile Faculty Enablement Program by Infosys at Maharashtra Institute of Technology, Aurangabad from 21<sup>st</sup> December 2015 to 25<sup>th</sup> December 2015
- ◆ Attended a Four days National level Workshop on “MATLAB, Simulink and Low Cost Design using Signal and Image Processing Toolbox” at Maharashtra Institute of Technology, Aurangabad from 16<sup>th</sup> December 2015 to 19<sup>th</sup> December 2015
- ◆ Attended a Two Days National Level Workshop on “Research Methodology” at Maharashtra Institute of Technology, Aurangabad from 13<sup>rd</sup> March 2015 to 14<sup>th</sup> March 2015
- ◆ Attended a One day Workshop on “Sexual Harassment of Woman at Workplace (Prevention, Prohibition and Redressal)” at Dr. B. A. M. University, Aurangabad on 25<sup>th</sup> Feb 2015
- ◆ Attended a One day Workshop on “Outcome Based Education (OBE)” at Maharashtra Institute of Technology, Aurangabad on 27<sup>th</sup> September 2014
- ◆ Attended a One day Workshop on “Sexual Harassment of Woman at Workplace (Prevention, Prohibition and Redressal)” at Dr. B. A. M. University, Aurangabad on 05<sup>th</sup> March 2014
- ◆ Attended a One day Workshop on “Cloud Computing” under CSI at CMIA, Aurangabad on 26<sup>th</sup> Feb 2014
- ◆ Attended a Two Days Workshop on “Mobile Application Development using Android” at Marathwada Institute of Technology, Aurangabad from 5<sup>th</sup> and 6<sup>th</sup> Dec 2013
- ◆ Attended a Three Days Workshop on “Faculty & Content Development” at Marathwada Institute of Technology, Aurangabad from 8<sup>th</sup> July 2013 to 10<sup>th</sup> July 2013
- ◆ Attended a Two Days Workshop on “Model Based Design & Development” at CSI, Hotel VITS, Aurangabad from 1<sup>st</sup> and 2<sup>nd</sup> Feb 2013

- ◆ Attended a Five days STTP on “Research Methodologies and Advances in Computer Sciences” at Marathwada Institute of Technology, Aurangabad from 30<sup>th</sup> April 2012 to 05<sup>th</sup> April 2012
- ◆ Attended a Four days Workshop on Mainframe at Marathwada Institute of Technology, Aurangabad from 27<sup>th</sup> June 2011 to 30<sup>th</sup> June 2011
- ◆ Attended a Two days Workshop on Octave at Marathwada Institute of Technology, Aurangabad from 19<sup>th</sup> and 20<sup>th</sup> January 2009
- ◆ Attended a Four days Workshop on Mobile Computing (VB.net) at Marathwada Institute of Technology, Aurangabad from 26<sup>th</sup> April 2008 to 29<sup>th</sup> April 2008
- ◆ Attended a Eight days ORACLE Workforce Development Program at Marathwada Institute of Technology, Aurangabad from 11<sup>th</sup> March 2008
- ◆ Attended a One day Workshop on OSST at Marathwada Institute of Technology, Aurangabad on 8<sup>th</sup> January 2008

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

- ◆ Worked as a Faculty Co-ordinator for National Level Technical Mega Event (Online Mode) “Techno - Minds - 2K21”, at Maharashtra Institute of Technology, Aurangabad from 17<sup>th</sup> June 2021 to 18<sup>th</sup> June 2021.
- ◆ Worked as a Organizing Committee Member for One-week online workshop on Recent Trends in Computer Science & Information Technology at Maharashtra Institute of Technology, Aurangabad from 28<sup>th</sup> December 2020 to 1<sup>st</sup> January 2021
- ◆ Worked as a Faculty Co-ordinator for National Level Online Project Competition “TECH-PRO”, at Maharashtra Institute of Technology, Aurangabad on 27<sup>th</sup> June 2020.
- ◆ Worked as a Co-ordinator for “From an Idea to App” with Google Developer Group at Maharashtra Institute of Technology, Aurangabad from 28<sup>th</sup> March 2014 to 29<sup>th</sup> March 2014
- ◆ Worked as a Organizing Committee Member for A Three days National Workshop on Nanomaterials & Nanotechnology at Maharashtra Institute of Technology, Aurangabad from 15<sup>th</sup> September 2013 to 17<sup>th</sup> September 2013
- ◆ Worked as a Co-ordinator for One day workshop on ‘Androids’ by Mr. Shrinivasan (SSI) at Maharashtra Institute of Technology, Aurangabad on 27<sup>th</sup> August 2013
- ◆ Worked as a Co-ordinator for National Level Technical Event-“Cynosure” at Maharashtra Institute of Technology, Aurangabad on 3<sup>rd</sup> & 4<sup>th</sup> March 2011
- ◆ Organized a Talk on ‘Engineering Success and Teamwork’ by Mr. Narsing Gawali at Maharashtra Institute of Technology, Aurangabad on 5<sup>th</sup> October 2013

- ◆ Organized a Expert talk on “Career Guidance” by Mr. Sagar Shrivastav, Manager Redhat Pvt. Ltd. Mumbai at Maharashtra Institute of Technology, Aurangabad on 16<sup>th</sup> October 2013
- ◆ Organized a Seminar on “Guidance for GATE” by Mrs. Shweta Apte, Mr. Suyog Pendkar, Dr.Yashpal Kadam Vidyalankar Group of Educational Institute at Maharashtra Institute of Technology, Aurangabad on 23<sup>rd</sup> January 2014
- ◆ Organized a Expert Talk on “Motivation to Students” by Mr. Abhjit Dharmadhikari at Maharashtra Institute of Technology, Aurangabad on 8<sup>th</sup> Feb 2014
- ◆ Organized a Blind Programming Competition at Maharashtra Institute of Technology, Aurangabad on 12<sup>th</sup> Feb 2013
- ◆ Organized a C Programming Competition at Maharashtra Institute of Technology, Aurangabad on 2<sup>nd</sup> April 2013
- ◆ Organized a Seminar on Soft skill at Maharashtra Institute of Technology, Aurangabad on 12<sup>th</sup> Feb 2010

### **Projects, Research Grants and Consultancy**

- ◆ Industry project “Digital Tool Development for Auto Calculation of Transformer design parameter”, under GIZ – MASSIA with Set on Site Electricals.

### **Intellectual Property Rights**

- ◆ B. P. Chaudhari, B. B. Gurav, “Copyright of Literary Work of Example of Dijkstra’s Algorithm”, L-102781/2021 on 03<sup>rd</sup> May 2021.
- ◆ B. P. Chaudhari, B. B. Gurav, “Copyright of Literary Work of Example of Histogram Equalization”, L-89394/2020 on 12<sup>th</sup> Feb 2020.
- ◆ B. B. Gurav, B. P. Chaudhari, “Copyright of Literary Work of Example of Regular Expression to Finite Automata”, L-102538/2021 on 27/04/2021.
- ◆ B. B. Gurav, B. P. Chaudhari, “Copyright of Literary Work of Example of Design of Finite Automata”, L-89395/2020 on 12<sup>th</sup> Feb 2020.

## List of Research Publications

### Papers in National/ International Journal

- ◆ Mayuresh Sunil Khemnar, Ishwar Ramesh Jaitmal, Ms. B. P. Chaudhari, “Sudoku Solver”, International Journal for Research and Development in Technology, Vol. 12, Issue 6, pp. 13-17.
- ◆ Vijaya Patil, B. P. Chaudhari, “Reversible Data Hiding By Reserving Room before Encryption” International Journal for Innovative Research in Multidisciplinary Field, Vol - 3, Issue 1, pp. 139-143.
- ◆ Vijaya Patil, B. P. Chaudhari, “RDH by Using Reserving Room before Encryption in Encrypted Images” International Journal of Emerging Technology and Advanced Engineering, Vol. 6, Issue 2, pp. 206-209.
- ◆ Suvarna Chavan, B. P. Chaudhari, “Review on Image Processing using smooth Ordering of its Patches” , International Journal of Science and Research, Volume 3, Issue 12, pp. 1823-1829.
- ◆ Nikita Mutha, B. P. Chaudhari, “Review on Improving and Enhancing Security using Hi-Pass”, International Journal of Emerging Technology and Advanced Engineering, Volume 4, Issue 10, pp. 284-288.

### Papers in National /International Conference Proceedings

- ◆ B. P. Chaudhari, A. K. Gulve, “Digital Image Watermarking using ICA” , International Conference GIT-2010 , Sinhgad Technical Education Society’s Sinhgad Institute of Management In Association with University of Pune & CSI, 20<sup>th</sup> Feb 2010 to 22<sup>th</sup> Feb 2010.
- ◆ B. P. Chaudhari, A. K. Gulve, “Approaches of Digital Image Watermarking using ICA”, International Symposium on Computer Engineering and Technology, ISCET-2010, Dept. of CSE, RMIT Institute of Engg. & Technology, Mandi Gobindgarh, Punjab, 19<sup>th</sup> and 20<sup>th</sup> March 2010.
- ◆ B. P. Chaudhari, Anjali Naphade, “National Conference On ‘Recent Trends in Information Technology-2009’ Dept. of IT, Padmashri Dr. Vithalrao Vikhe Patil, college of Engineering, Vilad Ghat, Post-MIDC,Ahmednagar, 20<sup>th</sup> Feb and 21<sup>st</sup> Feb 2009.

### NPTEL Certification

Start Date	End Date	Duration (in Weeks)	Course Name	Marks (Out of 100)	Performance
25 Feb, 2019	22 March, 2019	4 Weeks	Teaching and Learning in Engineering (TALE) - I	77	Elite Silver
29 July, 2019	20 Sept, 2019	8 Weeks	Course Design and Instruction of Engineering Course (TALE) - II	77	Elite Silver
Jan, 2019	April, 2019	12 Weeks	Machine Learning for Engineering and Science Applications	63	Elite

Date: 26-07-2021

Place: Aurangabad