



Dr. Gayatri V. Bachhav

Dean Academic, Associate Professor at Vasantdada Patil Pratishthan's College of Engineering & Visual Arts



- Department:
COMPUTER ENGINEERING
- Institute:
Vasantdada Patil Pratishthan's College of Engineering & Visual Arts
- Location:
Sion - Mumbai
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Personal Profile

Introduction

She works as an Associate Professor in the Department of Information Technology. Her qualification is Ph.D in computer science & Engineering. She has 17.5 Plus years of teaching experience. She has taught Undergraduate and Postgraduate students. She has done research on A novel approach of Incremental Information Extraction using PTQL. Currently she is passionate



about fostering academic development and success for every student. Willing to work as a key player in a challenging and creative environment.

In recognition of outstanding contributions, several awards and honors have been received. The "Women in Education Inspiration Award" (Alpha Award) was granted in November 2023 at Nariman Point, Mumbai. In January 2024, the Savitribai Phule Mahila Krantidin: Jivan Jyoti Mata Puraskar was awarded by Devrushhi Seva Mandal in Maharashtra. Additionally, the Best Teacher Award was received at SVIT College of Engineering in 2009-10, organized by the MBA Department. Furthermore, there was the honor of chairing the thirteenth International Conference on Advances in Computing, Control, and Telecommunication Technologies (ACT-2022) in June.27-28 27-28 2022, Hyderabad.

The subjects taught include a broad range of topics in computer science and engineering. These encompass Database Management Systems, Data Structures, Object-Oriented Modeling and Designing, and Distributed Databases. Additional subjects include Computer Graphics, Structured and Object-Oriented Analysis and Design, Advanced System Security, Digital Forensics, Object-Oriented Software Engineering, and Human-Machine Interaction. Other areas covered are System Security, Advanced Operating Systems, Analysis of Algorithms, Microprocessors, Operating Systems, Software Engineering, Cyber Security, Structured Programming, Parallel Computing, C Programming, Application and Web Security, Multimedia System Design, Information Retrieval Systems, and Ethical Hacking and Forensics.

Education

- Ph.D. in Computer Science & Engineering, Singhanian University.
- M.E. in Computer Engineering, Mumbai University.
- B.E. in Computer Engineering, Pune University.
- Diploma in Computer Engineering, Maharashtra State Board of Technical Education.



Professional Experience

- Associate Professor VPP College of Engineering and Visual Arts, Aug 2022 - Present.
- Assistant Professor SIES, Graduate School of Technology.
- Assistant Professor S.S.J College of Engineering & Technology.
- Assistant Professor Y.T. Institute of Engineering and Technology

Courses/ Subject Teaching

- Block-Chain Technology

Research Specialization

- Data Mining and Security.
- Machine Learning

GUEST LECTURES CONDUCTED

- Webinar Cyber Security Trends Shatabdi Institute of Technology, Nasik 01-06-2022.
- NDLI Club Event Data Science Shree L.R.Tiwari College of Engineering,Thane. 30-07-2022.
- Guest Lecture Research Paper Writing Pune Vidyarthi Griha's College of Engineering,Mhasrul,Nashik 07-12-2022.
- Webinar Respect an important Universal Human Values Shatabdi Institute of Technology, Nasik 04/08/2023.
- Seminar Blockchain Technology Universal College of Engineering 18-08-2023.
- Guest Lecture IT Infrastructure Datta Meghe College of Engineering 13-10-2023.
- Seminar Poster Presentation Vasantdada Patil Pratishthan's College of Engineering & Visual Art 19-10-2023.
- Resource person forMetaverse –The future of digital connection STTP VPPCOE&VA 01-01-2024.

STTP/ FDP



- Attended more than 46 STTPs / FDP programs, workshops, etc.

Research Publications

- **Paper Presented – International Level Conference**
Published more than 15 papers in various International Conferences.
- **Paper Presented – International Level Journal**
Published more than 29 papers in International Journal.
- **Paper Presented – National Level**
Published more than 05 papers in National level Journal.

Publication of Book ,Patent Book :

- **Book:**
Deep Learning Date : 3rd Jan 2023 ISBN : 978-93-5515-518-4
Machine learning Automation Date: 16th Aug 2023 ISBN : 13:978-9355452375
- **Patent:**
The secure channel establishment algorithm for the isolation of misdirection attack in the IoT. Date: 29th Nov 2022.
Automated bug detection and repair in software using block chain technology. Date: 24th Nov 2023.

Reviewer

- Chairing the thirteenth International Conference on Advances in Computing, Control, and Telecommunication Technologies ACT-2022.June 27-28 2022, Hyderabad.



- Chairing the research paper of the International Conference on Science Technology Engineering & Mathematics for Sustainable Development (ICSTEMSD 2024 - 2nd EDITION) organized by the Atharva College of Engineering, held on 15th & 16th February 2024 at Mumbai, India

Judge/Evaluator

- Judging "PROJECTATHON- National Level Project Competition 2023" on 3rd April, 2023 at Atharva College of Engineering, Malad, Mumbai.
- Evaluator for project poster competition on an Engineer's Day 15 Sept 23 organized by Dept of Computer Engineering, VPPCOE & VA, Sion, Mumbai.
- Judging "PROJECTATHON-2.0 National Level Project Competition 2024 on 19th April 2024 Dept of Atharva College of Engineering, Malad, Mumbai.

Blogs:

1. C an Evergreen Platform for Language Development. [June 02, 2022.](https://evergreenplatformofdevelopment.blogspot.com/2022/06/c-evergreen-platform-for-language.html)
<https://evergreenplatformofdevelopment.blogspot.com/2022/06/c-evergreen-platform-for-language.html>
2. Digital Information Landscape navigating the Digital Era: The Importance of Information Literacy
September 04, 2023
<https://evergreenplatformofdevelopment.blogspot.com/2023/09/Digital%20Information%20Landscape.html>
3. Information Retrieval System Mindful Insights - September 05, 2023
<https://informationretrievalmindfulinsights.blogspot.com/2023/09/information-retrieval-system-mindful.html>
4. "Enhancing Cyber Defenses: The Role of Ethical Hacking and Cyber security Tools" May 14, 2024
<https://informationretrievalmindfulinsights.blogspot.com/2024/05/enhancing-cyber-defenses-role-of.html>
5. Revolutionizing Education: The Flipped Classroom Approach - August 02, 2024.
<https://evergreenplatformofdevelopment.blogspot.com/2024/08/revolutionizing-education-flipped.html>



VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF ENGINEERING AND VISUAL ARTS

TRUST REGD. NO. F.6736(MUMBAI)

ISO 9001:2015 Certified Institute

DEPARTMENT OF COMPUTER ENGINEERING

NBA ACCREDITED (Dated 1/7/2024 to 30/6/2027)
