



BHUSHAN M. PATIL

Ph.D. Pursuing

M.E. in Computer Engineering

B.E. in Computer Engineering

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Designation: Assistant Professor in Computer Engineering Department.

Experience: 27 Years

Areas of Interest: Parallel and Distributed System, Computer Networking, Software engineering, Cloud Computing, Wireless Ad Hoc sensor networks, Cyber Security etc.

Courses taught at PG Level

- Distributed System
- TCP/IP Technology
- Advance Network Programming
- Grid and Cloud Computing

Coursera /Nptel/NITTTR Course Certifications:

- Google Cloud Platform Fundamentals: Core Infrastructure (May-2020)
- AWS Fundamentals: Migrating to the Cloud (May-2020)
- Cloud Computing Basics (May-2020)
- AWS Fundamentals: Going Cloud-Native (May-2020)
- Fundamentals of Network Communication (May-2020)
- 12-weeks NPTEL course on Computer Networks and Internet Protocol (July-Oct 2018)
- 8-weeks NPTEL course on Wireless Ad Hoc and Sensor Networks (Feb-March 2018)
- 8-weeks NPTEL course on Cloud Computing (Feb-April 2019)

Seminars/ Conferences/ Symposiums/ Workshops Attended

- Participated in the Online AICTE Recognized one-week Faculty Development Programme on Cloud Computing: A Hands on Approach with AWS Cloud Conducted by Computer Science and Engineering Department NITTTR, Chandigarh (April 12-16, 2021).
- Attended 3 days' workshop on "Cloud Computing Essentials" with Google Cloud Platform conducted by Turnip Innovations. (August 2020).
- Attended 6 days STTP on "Block Chain and its applications" at RAIT, Navi Mumbai. (Dec 9-14, 2019).
- Attended workshop on "R" held at Saraswati College of Engineering, Navi Mumbai (Nov 2019)
- Attended AICTE sponsored two weeks STTP on "School of Design Thinking" at RGIT Andheri (25th Nov- 6th Dec, 2019)
- Attended one week STTP on "Research Methodology" at RGIT Andheri (July 2019)
- Participated in faculty development program on "Intellectual Property Rights" at DJSCOE (January 4-5, 2019)
- Participated in faculty development program on "Data Science" at RGIT (July 12-14, 2018)
- Participated in Deep Dive Faculty Enablement Program held at Infosys Technologies Ltd. Pune.
- Three days IBM DB2 9.0 (Associated DBA Level) training plus certification program at MGM College of Engineering, Navi Mumbai.
- Completed one week **CCNA** course from IP Solutions, Mumbai.
- ISTE approved STTP on "Software Component Technology" at FRCC Vashi.
- ISTE approved STTP on "Distributed Computing" at BVCOE, CBD Belapur
- ISTE approved STTP on "Borland ALM" at SPCE, Andheri.
- Workshop on "Rational Rose" at TEC, Nerul.
- Attended seminar on "Rational Rose" at IIT Powai.
- Attended seminar on "Network Security" & Image Processing at SIES GST Nerul.

Administrative work carried out in the department/Institute

- Handling responsibility of infrastructure incharge at RGIT.
- Institute level Criteria IV coordinator for NAAC.
- Department level Criteria VI coordinator for NBA.
- Handled responsibility of exam cell incharge at RGIT.

- Handled various responsibilities like Project Guide for UG & PG students, project coordinator, Time Table incharge, class advisor etc., at departmental level.

Association with University of Mumbai

- Member of vigilance squad appointed by University of Mumbai
- Worked as member of Cloud Computing syllabus revision committee for UG (2021).
- Worked as member of Internet Programming syllabus revision committee for UG (2021).
- Worked as a Member of Syllabus Revision Committee for UG
- Appointed as paper setter for M.E. (Computer Network & Information Security engg.) (Choice Based Credit & Grading (CBCGS): Ad-hoc & Sensor Networks.
- Appointed as a paper setter for M.E. (Computer Network & Information Security engg.) (Choice Based Credit & Grading (CBCGS): Advanced Computer Forensic Analysis.
- Appointed as a paper setter for M.E. (computer network and info. Security engg) (CBCGS), TCP-IP Technology.
- Appointed as a paper setter for M.E. (Computer Network & Information Security engg) (Choice Based Credit & Grading (CBCGS), Web Application Security

LIST OF PUBLICATIONS

International Conferences/Journals

- Published paper titled “Development of Intelligent Technique for road incident detection”, Journal of Artificial Intelligence Research and Advances, 2024.
- Published paper titled “Telecom Churn Forecasting: A Machine Learning Approach for Proactive Customer Retention”, Journal of Artificial Intelligence Research and Advances, 2024
- Published paper titled “Machine Learning based secure and efficient task allocation in multi-cloud” in Concurrency and Computation: Practice and Experience, 2023.
- Published paper titled “Lifting fugitive bot-master in multi cloud situation using robustive network traffic analyser based on excellent anticipate ensemble-learning mechanism”, Gradiva Review Journal 2024.
- Published paper titled “Plagiarism detection for project report using machine learning” in third International Conference on Advancements in Research & Development(ICARD) 2023.
- Published paper titled “A Novel Approach for Tracking Effectiveness and Potential of E-teaching/Learning using Python Programming” in International Journal for Research in Applied

Science & Engineering Technology, Volume 9, issue IV, April 2021.

- Published paper titled “Vehicle Detection using Haar and HOG feature extraction algorithms and SVM with speed estimation”, volume 9, issue V, May 2021.
- Published paper titled “Automated personality classification for E-recruitment on the basis of CV using machine learning”, volume 9, issue V, May 2021.
- Published paper titled “Efficient E-mail system for blind people using automatic speech recognition” in International Research Journal of Engineering and Technology, Volume-07, issue-04, April 2020.
- Published paper titled “Reliable and Efficient Revocation and Data sharing using Identity based Encryption over cloud”, volume 7, issue 4, April 2020.
- Published paper titled “Video Recommendation system based on Human Interest”, in 1st International Conference on Innovations in Information and Communication Technology (ICIICT), publisher IEEE, 2019
- Presented paper on “Web Based Application to detect Heart Attack using machine learning” in 3rd International Conference on Advanced Trends in Engineering held on 4th & 5th April 2019 at DMCE, Navi Mumbai.
- “Content Based Real Time video copy detection using Hadoop”: 2nd International conference on and advanced trends in Engineering in collaboration with IEEE Bombay section., 6th April 2018
- “SE based secure Web Login Authentication using Android Application”, IJARSE, vol. no. 6, issue no. 9, September 2017
- Published paper title “SE based secure Web Login Authentication using Android application” in International Journal of Advance Research in Science and Engineering Volume No. 06, Issue No. 09, September 2017.
- Presented paper on “SE based secure Web Login Authentication using Android application” in 5th International Conference on “Innovative Trends in Science, Engineering and Management” held on 17th September 2017 at C-DAC Juhu, Mumbai.
- Device finger printing for secure user enrollment using TEE: IJSR-2319-7064, vol. 6, issue 3, March 2017.
- Performance of hybrid medium access control scheme for large machine to machine networks: A review, 3rd International Conference on Computing for Sustainable Global Development (INDIACom), 2016.

- Paper titled “Hybrid medium access control scheme for large machine to machine networks: A Review”, published in International Journal of Computer Applications (0975-8887), 2015.
- Image Segmentation & Noise Reduction with probabilistic approach using GMM Algorithm, in proceedings at second International Conference on IT & Business Intelligence (ITB-10), IMT Nagpur, November 2010.

Project Supervisor:

PG level:

1. Performance of Hybrid Medium Access Control Scheme for Large Machine to Machine Networks
2. SE based Secure Web Login Authentication using Android application.

UG level:

1. Probability based rendering using flash back in virtual environment
2. Unique approach to manage patient medical records using cloud computing
3. Cloud based e-learning system
4. Cloud storage and auditing
5. FTIR based Multi touch display
6. Wi-Fi Tracker
7. Content based real time video copy detection using Hadoop
8. Students’ performance analysis using data mining

Professional Bodies Association:

- Life Member of ISTE

Responsibilities Handled:

- Coordinator for criteria VI of NBA and criteria IV of NAAC
- Coordinator for Infosys Springboard program
- Presently handling responsibility of infrastructure Incharge at RGIT.
- Coordinator, Infosys- College Campus Connect Program
- Institute Examination Cell Incharge
- Associated with syllabus design committee of Mumbai University
- Observer NEET exam (2024)
- Deputy Presiding Officer, Graduate Aptitude Test in Engineering: GATE-2012.
- Deputy Presiding Officer, (Indian Institute of Space Science and Technology) ICRB, 2012.
- Deputy Presiding Officer, DRDO (Defense Research and Development Organization) 2012.

Invited Talks/Resource Person

- Resource person for International Seminar on “Intelligent Computing for future Internet (ICFI-2018) sponsored by AICTE at Government College of Engineering, Karad.
- Delivered an expert talk on “Network Simulators and Modeling” at Shree Bhagubai Mafatlal Polytechnic, Vile Parle, Mumbai, 2017
- Delivered an expert talk on “Distributed Systems” at Shree Bhagubai Mafatlal Polytechnic, Vile Parle, Mumbai, October 2017