

Name of Teaching Staff	:	Dr. Chetashri Shekhar Bhadane	
Designation	:	Associate Professor, Computer Engineering	
Department	:		
Date of Joining the Institution	:	06.07.2012	
Email ID	:	<a href="mailto:chetashri.bhadane@djsce.ac.in">chetashri.bhadane@djsce.ac.in</a>	
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Google Scholar Link	:	<a href="https://scholar.google.com/citations?user=Aw9kjmoAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=Aw9kjmoAAAAJ&amp;hl=en</a>	
Researchgate Link:		<a href="https://www.researchgate.net/profile/Chetashri-Bhadane">https://www.researchgate.net/profile/Chetashri-Bhadane</a>	
ORCID		<a href="https://orcid.org/0000-0002-7147-6378">https://orcid.org/0000-0002-7147-6378</a>	
Publons Researcher ID	:	<a href="https://publons.com/researcher/4662399/chetashri-bhadane/AAX-8747-2021">https://publons.com/researcher/4662399/chetashri-bhadane/AAX-8747-2021</a>	
Vidwan account Link		<a href="https://vidwan.inflibnet.ac.in/myprofile">https://vidwan.inflibnet.ac.in/myprofile</a>	
Qualifications with Class / Grade	:	<ol style="list-style-type: none"> <li>1. Ph.D., Engineering, NMIMS University, 2021</li> <li>2. M.E. (Computer Engineering), First Class with Distinction, NMIMS University, 2012</li> <li>3. B.E. (Computer Engineering.), First Class, NMU, 2003</li> </ol>	
Total Experience in Years	:	<ol style="list-style-type: none"> <li>1. Associate Professor in D.J. Sanghvi College of Engineering, Mumbai from September 2023 to till date</li> <li>2. Assistant Professor in D.J. Sanghvi College of Engineering, Mumbai from July 2012 to August 2023</li> <li>3. Lecturer in Fr. Conceicao Rodrigues College of Engineering, Bandra from July 2011 till May 2012</li> <li>4. Assistant Professor in Information Technology Dept. of NMIMS's Mukesh Patel School of Technology Management &amp; Engineering, Mumbai from February 2010 till November 2010</li> <li>5. Lecturer in Computer Science Department of K.K. Wagh Institute of Engineering Education and Research, Nashik, from July 2004 till February 2009.</li> </ol>	
Papers Published in Journal:	:	<p><b>Papers presented in International Journal (SCI/Scopus/UGC Care):</b></p> <ol style="list-style-type: none"> <li>1. LEDGE: Leveraging dependency graphs for enhanced context aware documentation generation, Automated Software Engineering, Springer Journal, 3<sup>rd</sup> February 2026 ((<b>Scopus, Q2</b>) DOI: <a href="https://doi.org/10.1007/s10515-026-00596-y">https://doi.org/10.1007/s10515-026-00596-y</a></li> <li>2. Federated Transfer Learning for Lung Disease Detection, Imaging Systems and technology, Wiley Publication Journal, 17<sup>th</sup> April 2025 (<b>Scopus, Q2</b>) DOI: <a href="https://doi.org/10.1002/ima.70080">https://doi.org/10.1002/ima.70080</a></li> </ol>	

3. LayNet - A Novel Multi-layer architecture to Handle Medical Data Imbalance, Computers in Biology and Medicine, Elsevier Journal, 15<sup>th</sup> June 2023  
**(Scopus Q1)**  
DOI: <https://doi.org/10.1016/j.combiomed.2023.107179>
4. Domain adaptation and weight initialization of neural networks for diagnosing interstitial lung diseases, International Journal of Imaging Systems and Technology, Wiley Publication Journal, 8<sup>th</sup> Feb 2022 **(Scopus Q2)**  
DOI: <https://doi.org/10.1002/ima.22716>
5. Modified Caesar Cipher and Card Deck Shuffle Rearrangement Algorithm for Image Encryption, Journal of Information and Telecommunication, Taylor& Francis **(Scopus Q2)**  
DOI: <https://doi.org/10.1080/24751839.2023.2285549>
6. Smart Waste Segregation System: Proximity-Triggered Waste Classification Using Convolutional Neural Networks, Journal of Electrical Systems 20-10 s (2024): 5191-5200 **(Scopus)**
7. Context Aware Next Location Prediction Using Data Mining and Metaheuristics, Evolutionary Intelligence, Springer journal, 4th Sep 2020, **(Scopus)**  
DOI: <https://doi.org/10.1007/s12065-020-00469-7>
8. Identification of Kidney Disorders in Decentralized Healthcare Systems through Federated Transfer Learning, Procedia Computer Science, Elsevier **(Scopus)**  
DOI: <https://doi.org/10.1016/j.procs.2024.03.289>
9. Prediction of Disease-Gene Associations by an Ensemble of Knowledge Graph Completion, Indian Journal of Science and Technology **(WoS)**  
DOI: [10.17485/IJST/v17i11.83](https://doi.org/10.17485/IJST/v17i11.83)
10. Sentiment Analysis: Measuring Opinions, Elsevier-ScienceDirect Procedia Computer Science, Volume 45, 2015, Pages 808–814 **(Scopus)**  
DOI: <https://doi.org/10.1016/j.procs.2015.03.159>
11. Insights into NoSQL databases using financial data: A comparative analysis, Elsevier-ScienceDirect Procedia Computer Science, Volume 215, 2022, Pages 8-23, 31st Dec 2022, **(Scopus)**  
DOI: <https://doi.org/10.1016/j.procs.2022.12.002>
12. Credit Card Fraud Detection Using Hidden Markov Model, International Journal of Scientific & Engineering Research, ISSN 2229-5518, Volume 5, Issue 1, January-2014
13. A Survey: Web based Cyber Crimes and Prevention Techniques, International Journal of Computer Applications, published by Foundation of Computer Science, New York, USA., ISSN 0975 – 8887 Volume 105 – No. 17, November 2014
14. Distinction of Discrete Transformations Applied to Hadoop’s MapReduce, International Journal of Computer Applications, published by Foundation of Computer Science, New York, USA., ISSN 0975 – 8887 Volume 104 – No 10, October 2014

15. An Efficient Parallel Approach for Frequent Itemset Mining of Incremental Data, International Journal of Scientific & Engineering Research IJSER, Volume 3, Issue 2, February-2012, ISSN 2229-5518
16. Personalized Image Search using Photo Sharing Websites, International Journal of Innovations & Advancement in Computer Science IJIACS, ISSN 2347 – 8616 Volume 4, Issue 10 October 2015
17. Ascertainig Apropos Mining Algorithms for Business Applications, International Journal of Innovations & Advancement in Computer Science (IJIACS), ISSN 2347 – 8616 Volume 3, Issue 7 September 2014
18. Frameworks for Graph-Based Problems, International Journal of Innovations & Advancement in Computer Science IJIACS, ISSN 2347 – 8616 Volume 4, Issue 9 September 2015
19. A Survey on Use of Data Mining for Detecting Cyber Attacks, International Journal of Innovations & Advancement in Computer Science(IJIACS), Vol 4 Issue 9, ISSN 2347 – 8616, September 2015
20. Real-time data processing frameworks, International Journal of Data Mining & Knowledge Management Process (IJDKP), Vol.5, No.5, September 2015
21. Automatic Text Summarization of Documents, International Journal of Innovations and Advancement in Computer Science ISSN 2347-8616, Vol.4, Issue 12, December 2015
22. Strengthening User Authentication using keystroke dynamics, International Journal of Engineering Research and Technology ISSN 2278-0181, Vol.4, Issue 11, 24th Nov 2015
23. Technique to Detect Vandalism in Wikipedia, International Journal of Innovations & Advancement in Computer Science IJIACS ISSN 2347 – 8616 Volume 5, Issue 1 January 2016
24. A framework for detection of video spam on you tube, International Journal of Computer Science and Information Technology, ISSN 0975 – 9646 Volume 6, Issue 6 December 2015
25. Importance of Context in Prediction Systems of Mobile Applications, International Journal of Recent Technology and Engineering, ISSN: 2277-3878, Volume-8 Issue-6, March 2020, Retrieval Number: F9449038620/2020©BEIESP DOI:10.35940/ijrte.F9449.038620
26. Location Prediction Models using Data Mining and Machine Learning, International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, Volume-9 Issue-3, February, 2020, Retrieval Number: C6044029320 /2020©BEIESP DOI: 10.35940/ijeat.C6044.029320
27. Systematic Review of Technologies Used for Automatic Caricature Generation, International Journal of Computer Engineering and Technology (IJCET), Volume 12, Issue 1, January-April 2021, DOI: 10.34218/IJCET.12.1.2021.001

Papers Presented in Conferences

**Papers/book chapters presented in International Conference ((SCI/Scopus/UGC Care):**

- 1. VR Phantom Haven: Phantom Limb Pain Management Using Virtual Reality**  
Advances in Data and Information Sciences (ICDIS 2024), Springer Nature Link, 27<sup>th</sup> April 2025, (Scopus)
- 2. Neural Machine Translation from English to Marathi Using Various Techniques**  
Proceedings of International Conference on Recent Innovations in Computing. ICRIC 2022. Lecture Notes in Electrical Engineering, vol 1011. Springer, Singapore. (Scopus)  
DOI: [https://doi.org/10.1007/978-981-99-0601-7\\_3](https://doi.org/10.1007/978-981-99-0601-7_3)
- 3. Graph Database System for COVID-19 Vaccine Supply**  
Advances in Data and Information Sciences. Lecture Notes in Networks and Systems, vol 522. Springer, Singapore (Scopus)  
DOI: [https://doi.org/10.1007/978-981-19-5292-0\\_20](https://doi.org/10.1007/978-981-19-5292-0_20)
- 4. Clustering Algorithms for Spatial Data Mining**  
3rd International Conference on Geoinformatics and Data Analysis, ACM Digital Library, Marseille, France, April 15 to 17,2020, 978-1-4503-7741-6/20/04, <https://doi.org/10.1145/3397056.3397068> (Scopus)
- 5. A Novel Matrix for Location Categorization in Human Mobility Mining**  
IEEE International Conference: PuneCon'18 on Data Science and Analytics Pune, 30-11-2018 to 02-12-2018 (Scopus)
- 6. Analysis of User Similarity Measures Using GPS Trajectories**  
IEEE International Conference: ICCUBEA'17, Pune, 17<sup>th</sup> – 18<sup>th</sup> August 2017 (Scopus)
- 7. Time Series Analysis and Forecasting of Air Quality in India**  
5<sup>th</sup> IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT 2023), Velalar College of Engineering & Technology, Erode, Tamil Nadu, India, 22 -24, February 2023
- 8. Audio Tagging for Emotion Recognition: A Review**  
2nd International Conference on Advanced Computing Technologies and Applications (ICACTA 2020), 28th-29th Feb 2020, ISSN: 2277-3878, Springer, DOI: [https://doi.org/10.1007/978-981-15-3242-9\\_55](https://doi.org/10.1007/978-981-15-3242-9_55)
- 9. Human Activity Recognition**  
2nd International Conference on Advanced Computing Technologies and Applications (ICACTA 2020), 28th-29th Feb 2020, ISSN: 2277-3878, Springer, DOI: [https://doi.org/10.1007/978-981-15-3242-9\\_45](https://doi.org/10.1007/978-981-15-3242-9_45)
- 10. Trigger System for Sales Prediction Using Data Mining Techniques**  
International Conference: ICECSITME- Pune, Paper ID: TA ECSITMEMUM-31016-800 ISBN : 978-93-85973-217, 31st Jan 2016

		<p><b>11. Framework for Students Information System</b> International Conference: Confe2008 at VIT University, Vellore.</p>
Area of Specialization		Artificial Intelligence, Machine Learning, Natural Language Processing, Data Mining, DBMS, Operating Systems
Books Published / IPRs / Patents/ Copyright	:	<p>1. <b>Patent</b> Status: <b>Granted</b> Invention Title: <b>A Medical Emergency System for a Vehicle</b> Application no: 202321041386 / 538278 Patent Type: Indian National</p> <p>2. <b>Patent</b> Status: Published Invention Title: <b>METHOD FOR GEO-TAGGING</b> Application no: 202121029556 Patent Type: Indian National</p> <p>3. <b>Patent</b> Status: Published Invention Title: <b>A Sports Training Assistance Device</b> Application no: 202521052374 Patent Type: Indian National</p> <p>4. <b>Copyright</b> Invention Title: <b>Cloud Bind</b> Diary no: 13208/2023-CO/SW</p>
Professional Memberships	:	<p>1. CSI (Computer Society of India ) member for 3 yrs. (2005 - 2007) (Yearly Membership)</p> <p>2. Life member of ISTE (Indian Society of Technical Education). (LM 81047)</p>
Grants	:	<p>1. AICTE ATAL grant of Rs. 3.5 lakhs for organizing Faculty Development Program</p>

Interaction with Professional Institutions

**Guest lecture conducted:**

- 1. Topic: Machine Learning Algorithm using 'R' programming and demonstration** (Session in 1 week STTP)  
College: Department of Information Technology, Shri Bhaghubai Mafatlal Polytechnic, Mumbai  
Target audience: Polytechnic Faculty members  
Date: 15/03/2022
- 2. Topic: Enhancing Research Paper Writing Skills**  
College: R.H. Sampat COE Management Studies and Research, Pune University  
Target audience: 2<sup>nd</sup> and final year students and faculty members  
Date: 18/9/2021

**Awards Received:**

1. Received “**TCS Best Project Award**” in recognition of excellent guidance given to the students of 2015 batch for their final year project.

**Reviewer:**

1. Worked as a reviewer for numerous International journals like Springer, Elsevier etc. and conferences.
2. Session chair for “International Conference on Science Technology Engineering & Maths for Sustainable Development (ICSTEMSD-2023)” on 16<sup>th</sup> February 2023 at Atharva College of Engineering, Mumbai.
3. Judge for Poster Competition for “International Conference on Science Technology Engineering & Maths for Sustainable Development (ICSTEMSD-2023)” on 16<sup>th</sup> February 2023 at Atharva College of Engineering, Mumbai.
4. Session Chair for “International Conference MULTICON’24” at Thakur College of Engineering, Mumbai.

**Syllabus setting:**  
DBMS, ADBMS, Artificial Intelligence, Machine Learning, Deep Learning, NLP

**Workshop, lecture series & Conferences Organized:**

- AICTE ATAL Faculty Development Program on “Ethical Hacking and VAPT Mastery: keystones of Cyber Security for Unnat Bharat”, January 06 to 11, 2025
- International Conference on Advanced Computing Technologies and Applications (ICACTA- 2015) - Logistics Committee member
- International Conference on Advanced Computing Technologies and Applications (ICACTA- 2020) - Technical Committee member
- State Level Project Competition, DJASCI – Technical Committee Member
- Linux Installation and System calls
- Blockchain Technology
- Project Deep Blue
- Industry Practices for developing DBMS projects
- Machine Learning: Optimization Techniques

**Course Certification (Coursera/NPTEL):**

1. Cluster Analysis in Data Mining
2. DBMS Essentials
3. Learning to Teach Online, UNSW Sydney (2 weeks), 13/7/2020
4. Assessment in Higher Education: Professional Development for Teachers, Erasmus University Rotterdam (4 weeks), 5/8/2020
5. Data Mining (NPTEL)
6. AI For Everyone, 26/20/2021
7. NoSQL Systems
8. CRUD Operations using MongoDB NoSQL
9. Create Your First NoSQL Database with MongoDB and Compass

**STFDP, STTP, Workshops attended:**

- STTP on “**Software Testing and Quality Assurance**”, Sinhgad Society’s Smt. Kashibai Navale COE, Pune. 13<sup>th</sup> – 18<sup>th</sup> June 2005
- Workshop to Discuss the **Implementation of New Syllabus** of T.E. Computer Engineering, Bharati Vidyapeeth’s COE for Women, Pune, 20<sup>th</sup> January 2006
- Staff Development Programme “**Developing Core Teaching Competencies in Engineering College Teachers**”, K.K. Wagh IEER, Nashik. Conducted by National Institute of Technical Teachers’ Training and Research, Bhopal. 18<sup>th</sup> – 30<sup>th</sup> June 2007
- Seminar on “**MeL 2007, A State Level Seminar on Multimedia and eLearning: Anytime Anywhere Learning**”, K.K. Wagh IEER, Nashik. 9<sup>th</sup>-10<sup>th</sup> Feb 2007
- ISTE-STTP on “**Advanced Web Technology**”, Vivekanand Education Society’s Institute of Technology, 9<sup>th</sup> -13<sup>th</sup> Jan 2012
- Graded ISTE-STTP on “**Structured Programming Approach with Lab Exercises**”, SPIT, Mumbai, 31<sup>st</sup> Dec – 5<sup>th</sup> Jan 2013.
- FDP on “**Big Data Analysis**”, DJSCE, Mumbai, Conducted by TCS, 15<sup>th</sup> – 17<sup>th</sup> Dec 2014
- FDP on “**Big Data**”, J.P. Morgan, Mumbai, 13<sup>th</sup> Feb 2015
- FDP on “**Research Areas in IoT**”, DJSCE, Mumbai, 14<sup>th</sup> – 15<sup>th</sup> July 2017
- AICTE-QIP Sponsored one-week workshop on “**Spatial Data, Data Mining and Analytics**”, VJTI, 26<sup>th</sup>– 31<sup>st</sup> March, 2018
- FDP on “**R and Python Programming**”, DJSCE, 12<sup>th</sup> - 13<sup>th</sup> Jan 2018
- FDP on “**Research Areas in IoT**”, DJSCE, 14<sup>th</sup> - 15<sup>th</sup> July 2017
- AICTE-ISTE STTP on “**Insights of Machine Learning and Deep Learning**”, DJSCE, 2<sup>nd</sup> to 6<sup>th</sup> July 2018
- FDP on “**How to do Good Industrial Research**”, DJSCE, 12<sup>th</sup> - 13<sup>th</sup> Jan 2018
- FDP on “**Improving Teaching Learning Experience using Best Practices**”, DJSCE, 12<sup>th</sup> - 13<sup>th</sup> Jan 2018
- FDP on “**Data Science**”, FRCRCE, 26<sup>th</sup> - 30<sup>th</sup> May 2020
- FDP on “**Active Teaching and Learning Strategies using Innovative Technology**”, DJSCE, 15<sup>th</sup> - 19<sup>th</sup> June 2020

	<ul style="list-style-type: none"> <li>● ISTE STTP on “<b>Smart Computing</b>”, DJSCE, 12<sup>th</sup> July to 16<sup>th</sup> July 2021</li> <li>● ATAL FDP on “<b>Data Sciences</b>”, Ramakrishna Mission Vivekananda Educational and Research Institute, 20-10-2020 to 24-10-2020</li> <li>● ATAL FDP on “<b>Stress-management</b>”, Indian Institute of Technology - Madras, 2020-8-26 to 2020-8-30</li> <li>● ATAL FDP on “<b>Application of IOT in Agriculture</b>”, Gandhi Institute for Technology (GIFT) Bhubaneswar, 06-07-2021 to 10-07-2021</li> <li>● ATAL FDP on “<b>Emotional Intelligence and freedom from stress for vitality living</b>”, BML Munjal University (Hero Group), 12-07-2021 to 16-07-2021</li> <li>● AICTE-FDP on “<b>Universal Human Values</b>”, 26-10-2020 to 03-10-2020</li> <li>● One day National symposium, “<b>Technology Vision 2035: An Educational Perspective</b>”, TCET, Mumbai, 26<sup>th</sup> June 2021</li> <li>● ATAL FDP on “<b>Emerging Trends Pedagogy and Teaching Skills in Management Education post COVID-19</b>”, IILM Graduate School of Management, 06-09-2021 to 10-09-2021</li> <li>● ATAL FDP on “<b>Redesigning Pedagogy: Educating for Innovation &amp; Fostering for Society</b>”, A. R. College of Pharmacy and G. H. Patel Institute of Pharmacy, 17-01-2022 to 22-01-2022</li> <li>● ATAL FDP on “<b>Ethical and Responsible AI: Harnessing XAI for India’s Economics Future</b>”, SVKM’s D.J. Sanghvi COE, 14<sup>th</sup> – 19<sup>th</sup> July 2025</li> <li>● ATAL FDP on “<b>Quantum Computing: India’s Journey Towards Quantum Excellence</b>”, SVKM’s D.J. Sanghvi COE, 13<sup>th</sup> to 18<sup>th</sup> January 2025</li> </ul>
Subjects Taught	<p><b><u>UG Level:</u></b></p> <ul style="list-style-type: none"> <li>● Structured Programming approach (C)</li> <li>● Object Oriented Programming Language (JAVA)</li> <li>● Data Structures</li> <li>● Operating Systems</li> <li>● Design &amp; Analysis of Algorithms</li> <li>● Database Management System</li> <li>● Distributed Databases</li> <li>● Advanced Databases</li> <li>● Web Engineering &amp; Technologies</li> <li>● Relational Database &amp; Visual Basic Programming Lab</li> <li>● Soft Computing</li> <li>● Machine Learning</li> <li>● Artificial Intelligence</li> <li>● Natural Language Processing (Theory &amp; Lab)</li> </ul> <p><b><u>PG Level:</u></b></p> <ul style="list-style-type: none"> <li>● Natural Language Processing (Theory &amp; Lab)</li> <li>● Artificial Intelligence and Machine Learning (Theory &amp; Lab)</li> <li>● Computational Linguistic (Lab)</li> </ul>

Projects Guided	:	<b>UG Level:</b> <ul style="list-style-type: none"> <li>● Final year Major Project: <b>60</b></li> <li>● T.Y. Mini Project: <b>40</b></li> <li>● P.G. Seminar: 02</li> </ul>				
Recommended Students for Higher Education		<table border="1"> <thead> <tr> <th><u>Name of the Student</u></th> <th><u>University/Industry</u></th> </tr> </thead> <tbody> <tr> <td>60+ students</td> <td>Various renowned universities like university of Massachusetts, Harvard University, Carnegie Mellon University, University of Pennsylvania, Columbia University, UCLA, USC etc</td> </tr> </tbody> </table>	<u>Name of the Student</u>	<u>University/Industry</u>	60+ students	Various renowned universities like university of Massachusetts, Harvard University, Carnegie Mellon University, University of Pennsylvania, Columbia University, UCLA, USC etc
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60+ students	Various renowned universities like university of Massachusetts, Harvard University, Carnegie Mellon University, University of Pennsylvania, Columbia University, UCLA, USC etc					
Institute/Department Responsibility handled:		<ul style="list-style-type: none"> <li>● Exam Committee Member (College level)</li> <li>● Project Coordinator</li> <li>● Syllabus Setter</li> <li>● Seminar Incharge</li> <li>● NBA Program coordinator</li> <li>● NACC Dept. coordinator</li> <li>● Course Coordinator</li> <li>● Students Mentor</li> <li>● Class Advisor</li> <li>● Lab Incharge</li> </ul>				
Pedagogy Development		<ul style="list-style-type: none"> <li>● Study material for the courses DBMS, ML, AI etc</li> <li>● E-Learning video for the courses of DBMS, ML, AI etc</li> </ul>				

**PERSONAL SKILLS:**

Comprehensive problem solving abilities, good communication skills, willingness to learn, Team facilitator.

**PERSONAL DETAILS:**

Name : Chetashri Shekhar Bhadane.  
DOB : 2<sup>nd</sup> December 1981.  
Sex : Female.  
Marital status : Married.  
Address : 74, UTI Officers Quarters,  
E-Block, Bandra-Kurla Complex, Bandra (E), Mumbai, Maharashtra.  
Ph. No. : 809767776.  
Languages Known : English, Hindi and Marathi.

I hereby declare that the above written particulars are best of my knowledge and belief.

**Dr. Chetashri Shekhar Bhadane**