

Mrs. Prachi Harshal Dalvi

(Nee – Prachi S. Bhokare)

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OBJECTIVE

To leverage my technical and professional expertise, helping students to gain firm understanding of latest technological concepts.

TOTAL TEACHING EXPERIENCE: 15 Years 6 Months

Assistant Professor

Fr. Conceicao Rodrigues College of Engineering

Sept 2022 – Till date (Regular)

- Taught subjects Object Oriented Programming, C Programming, Data Structure, Python Programming, Analysis of Algorithm, User Experience Design and Virtual Reality.

Sardar Patel Institute of Technology, Mumbai.

July 2018 – June 2022

- Taught subjects viz. Python, Big Data Analysis, Object Oriented programming, E-commerce and E-business, Web Programming, Adaptive business intelligence.
- Successfully coordinated and handled responsibilities to support preparation for NAAC, NBA etc.

Thakur college of Engineering and Technology, Mumbai.

July 2017 – May 2018

- Taught subjects viz. Object Oriented Programming (JPL), Structured Programming Approach, Big Data Analytics in the dept. of Computer Engineering
- Successfully handled administrative responsibilities to support academics and non-academic activities.

Lecturer

Babasaheb Gawde Institute of Technology - Mumbai, India.

December 2008 – June 2017 (Regular)

- Taught more than 10 subjects in the Information Technology dept.
 - Successfully handled various administrative responsibilities viz. Exam controller, CAP co-coordinator, and in-charge/ second in-charge of various committees.
 - Successfully coordinated and managed events like international Conferences – ThinkQuest National level project competitions, Annual Day, Festival and Events coordination etc.
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EDUCATION:

Ph.D in Technology (Computer Engineering) (Pursuing)

Sardar Patel Institute of Technology (Affiliated to Mumbai University).

Masters of Engineering (M.E. in Computer Engineering) (8.34 CGPI)

Thakur College of Engineering and Technology, Mumbai (Affiliated to Mumbai University), 2014.

Bachelor of Engineering (B.E. in Computer Engineering) (71 %)

Datta Meghe College of Engineering, Navi Mumbai (Affiliated to Mumbai University), 2008.

Diploma in Computer Engineering (78 %)

Government Polytechnic Mumbai - MSBTE - Mumbai, India, 2005.

PROFICIENCY:

- C and C++
 - JAVA
 - Python
 - Data Science
 - Artificial Intelligence
 - Machine Learning
 - Big Data Analytics
 - Mongo DB
 - Database Management System
 - HTML5
 - CSS3
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CERTIFICATIONS COURSES:

1. Certification: "Oracle Cloud Infrastructure 2023 Certified Foundation Associate", Issued by Oracle Corporation, September29, 2023
2. Certification: "Oracle Cloud Data Management 2023 Certified Foundation Associate", Issued by Oracle Corporation, September25, 2023
3. Awarded a certificate in Elite class on successful completion of the 12 week NPTEL course "Data Analytics with Python", January – April 2022.
4. Awarded a certificate in Elite class on successful completion of the 12 week NPTEL course "Psychology of stress, Health and well- being", January – April 2022.
5. Successfully completed certification course "M001: MongoDB Basics" at MongoDB University.
6. Successfully completed certification course "M0121: The MongoDB Aggregation Framework" at MongoDB University.
7. "Databases and SQL for Data Science with Python" an online non-credit course authorized by IBM and offered through Coursera has been successfully completed on May 22, 2021.
8. "Machine Learning" an online non-credit course authorized by Stanford University and offered through Coursera has been successfully completed on Apr 28, 2021.

9. "What is Data Science?" an online non-credit course authorized by IBM and offered through Coursera has been successfully completed on Nov 24, 2020.
10. "Introduction to Data Science in Python" an online non-credit course authorized by University of Michigan and offered through Coursera has been successfully completed on May 25, 2020.
11. "Introduction to CSS3" an online non-credit course authorized by University of Michigan on Coursera and offered through Coursera has been successfully completed on October 21, 2018.
12. "Introduction to HTML5" an online non-credit course authorized by University of Michigan and offered through Coursera has been successfully completed on August 13, 2018.
13. Successfully completed Python-Django Core and Advance certification.
14. "Big Data Integration and Processing" an online non-credit course authorized by University of California, San Diego and offered through Coursera has been successfully completed on March 19, 2018.
15. "Big Data Modeling and Management Systems" an online non-credit course authorized by University of California, San Diego and offered through Coursera has been successfully completed on January 5, 2018.
16. "Python Data Structures" an online non-credit course authorized by University of Michigan and offered through Coursera has been successfully completed on November 14, 2017.
17. "Programming for Everybody (Getting Started with Python)" an online non-credit course authorized by University of Michigan and offered through Coursera has been successfully completed on September 18, 2017.
18. "Introduction to Big Data" an online non-credit course authorized by University of California, San Diego and offered through Coursera has been successfully completed on May 3, 2017.

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING (NITTT) COURSES:

1. "Module 1: Orientation Towards Technical Education and Curriculum Aspects" by the National Institute of Technical Teachers Training (NITTT), has been successfully completed on September 2023, Registration Number: 20221121710.
2. "Module 2: Professional Ethics & Sustainability" by the National Institute of Technical Teachers Training (NITTT), has been successfully completed on September 2023.
3. "Module 3: Communication Skills, Modes & Knowledge Dissemination" by the National Institute of Technical Teachers Training (NITTT), has been successfully completed on February 2024.
4. "Module 4: Instructional Planning and Delivery" by the National Institute of Technical Teachers Training (NITTT), February 2024, has been successfully completed on February 2024.
5. "Module 5: Technology Enabled Learning & Life Long Self Learning" by the National Institute of Technical Teachers Training (NITTT), has been successfully completed on February 2024.
6. "Module 7: Creative Problem Solving, Innovation and Meaningful R & D" by the National Institute of Technical Teachers Training (NITTT), has been successfully completed on February 2024.
7. "Module 8: Institutional Management & Administrative Procedures" by the National Institute of Technical Teachers Training (NITTT), has been successfully completed on September 2023.

RESEARCH PUBLICATIONS:

2024:

1. Prachi Dalvi, Dr. D.R. Kalbande, Amey Agarwal, "Enhancing Plant Species Recognition: A Multi-Attribute Deep Learning Approach" at International Conference on Intelligent Computing and Big Data

Analytics 2024 (ICICBDA-2024) proceedings, Springer's Communications in Computer and Information Science series (CCIS), indexed in SCOPUS.

2. Kalbande, S., Karmore, R., Dalvi Prachi., & Dhananjay, K. (2024), "Synergies and Impacts: National Educational Policy and Startup Policies on India's Innovation Ecosystem", *International Journal of All Research Education and Scientific Methods (IJARESM)*, 12(6), 631. Available online at: www.ijaresm.com.
3. Harshal Dalvi, Meera Narvekar, and Prachi Dalvi, "Interpreting Accuracy: A Comparative Analysis of Machine Learning Models for Liver Disease Diagnosis," in *Proceedings of the 2024 IEEE Parul International Conference on Engineering and Technology (PICET)*, 2024.
4. Joshua D'sylva, Riona Gonsalves, Prachi Dalvi, Swaranjali Bodhi, "An Assessment of Artificial Intelligence and Machine Learning Applications in Remote Sensing for Crop Classification", Sixth International Conference on Recent Trends in Engineering, Management, Pharmacy and Science–SAGECON2K24, 2024.

2023:

5. D,Nunes, W. Bar, M. Satra, Jagruti Save, Prachi Dalvi, "AI-Driven Traffic Lights", 2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT), Delhi, India, 2023, pp.1-6, doi:10.1109/ICCCNT56998.2023.10306685
6. Dalvi Prachi., & Kalbande, D. R. (2023), "A Comprehensive Review of Plant Recognition Approaches: Techniques, Challenges, and Future Direction", *SSGM Journal of Science and Engineering*, 1(1), 1–5. Retrieved from <https://ssgmjournal.in/index.php/ssgm/article/view/18>

2022:

7. M. Nikam, A. Ranade, R. Patel, Prachi Dalvi and A. Karande, "Explainable Approach for Species Identification using LIME", 2022 IEEE Bombay Section Signature Conference (IBSSC), Mumbai, India, 2022, pp. 1-6, doi: 10.1109/IBSSC56953.2022.10037417.
8. Dalvi Prachi, Karande Aarti, "Medicinal plant Species Identification with Explainability Using Lime", has been accepted for oral presentation at IBSSC–2022 conference organized by IEEE Bombay section and to be published in IEEE Xplore indexed database.
9. Dalvi Prachi and Karande Aarti, "The Need of Explainability to Enhance the Trustworthiness of Decision-Making System", In: HTL JOURNAL Volume 28, Issue 7, July 2022. ISSN NO: 1006-6748, Impact Factor: 2.7.

2021:

10. Dalvi, Prachi and Karande Aarti and Santosh Ojha, Suyash and Ravindra Wadekar, Omkar, "IoT-based water distribution monitoring system" (July 8, 2021). Proceedings of the International Conference on IoT Based Control Networks & Intelligent Systems - ICICNIS 2021, Available at SSRN: <https://ssrn.com/abstract=3882439> or <http://dx.doi.org/10.2139/ssrn.3882439>.

2020:

11. Karnade A.M., Dalvi Prachi., Kalbande D.R. (2020). Emotion Identification Using CNN-Based Transfer Learning. In: Vasudevan, H., Michalas, A., Shekokar, N., Narvekar, M. (eds) *Advanced Computing*

Technologies and Applications. Algorithms for Intelligent Systems. Springer, Singapore.
https://doi.org/10.1007/978-981-15-3242-9_32

2018:

12. Prachi Dalvi and Priti Badhe, “Application of Big Data in Disease Diagnostics- Prospects and Challenges” at MulticonW-2018, Mumbai in 2018.
13. Prachi Dalvi, “Latest pedagogies in teaching learning process.” at Multicon W-18, Mumbai in 2018

2015:

14. Kshamata Shenoy, Prachi Bhokare, Unnathi Pai, “FOG Computing Future of Cloud Computing” at International Journal of Science and Research (IJSR), Volume 4 Issue 6, 55-56, ISSN (Online): 2319-7064 June 2015.
15. Prachi Bhokare and Priti Badhe, “Fundamentals of software bug” at IFERP International Conference, Mumbai in 2015.

2014:

16. Prachi Bhokare, Harshal Dalvi and Dr. Rekha Sharma, “An efficient approach of frequent data mining” at National conference on research trends in Electronics, Computer science and Information Technology, NCDRM 2014.
17. Prachi S. Bhokare and Dr. Rekha Sharma, “A Novel Algorithm PDA (Parallel and Distributed Apriori) for Frequent Pattern Mining”, International Journal of Engineering Research & Technology (IJERT) Volume 03, Issue 08 (August 2014)
18. Prachi S. Bhokare, Dr. Rekha Sharma, and Harshal Dalvi, 2014, “An Efficient Approach for Frequent Pattern Mining Using Parallel Computing”, International Journal of Engineering Research & Technology (IJERT) Volume 03, Issue 07 (July 2014).

PATENT DETAILS:

- The invention with title “Deep learning based Language Translator” is filed for patent at Indian Patent Office (Govt. of India) and it is currently published on 05/11/2021. Publication No.44/2021.Application No.:2021411049460.

MEMBERSHIP (PROFESSIONAL BODIES):

- Indian Society for Technical Education (ISTE): Lifetime Membership

FDP / STTP PROGRAM ATTENDED:

1. Participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on AI in Supply Chain Management of Agriculture Produce’ at Thadomal Shahani Engineering College from 08/01/2024 to 13/01/2024.

2. Participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on Generative AI: Concerns and Solutions at Bharatiya Vidya Bhavans Sardar Patel Institute of Technology from 01/01/2024 to 06/01/2024.
 3. Participated in a three-day Continuing Education Program on "Artificial Intelligence for Healthcare Technology and Management" organized by IIT Patna from 2nd December to 4th December, 2022.
 4. National Level online (two credits) course on "Research and Publication Ethics" Organized by Sardar Patel Institute of Technology for duration of two weeks from 15th November to 30th November 2021.
 5. One-week online Faculty Development Program on "DATA SCIENCE" Organized by Department of Information Technology, Fr. Conceicao Rodrigues College of Engineering, Mumbai from 26th May to 30th May, 2020.
 6. "Online faculty development program with spoken tutorial IIT Bombay from 3rd May 2020 to 7th May 2020.
 7. Attended 3 days training, organized by Tesseract Solution on "Mongo DB" in Feb-2018.
 8. Attended FDP201x, organized by IIT Bombay on 'Pedagogy for Online and Blended Teaching Learning Process' in Nov-2017.
 9. Attending FDP101x, organized by IIT Bombay on 'Foundation Program in ICT for Education' in Sept-2017.
 10. Attended one week ISTE approved STTP at Vidyalankar Polytechnic on 'Teaching Skills and ELearning Development' in October, 2016.
 11. Participated in MSBTE Sponsored training on 'Personality Development Program' at Vivekanand Educational Society in October, 2016.
 12. Participated in AICTE Sponsored National Seminar on 'Academic Excellence through Quality Technical Education- Opportunities and Challenges' at Thakur College of engineering and technology in January, 2014.
 13. Attended two week ISTE approved STTP at Thadomal Shahani College of Engineering on 'Advanced Web Programming and Cloud Computing.' In December 2013.
 14. Attended one week ISTE approved STTP at Vidyalankar Polytechnic on 'Advanced Tools and Techniques using Java.' in February, 2011.
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