

Name:

Dr Ravindra Sadashivrao Apare

**Designation:**

Associate Professor

Contact Details:

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Educational Qualifications:

- Ph.D. (Computer Science & Engineering), JJT University, Rajasthan, Dec 2020
- M.E. (Computer Science & Engineering), SRTM University, Nanded, Dec 2008
- B.E. (Computer Science & Engineering), Dr. BAM University, Chh. Sambhajinagar, August 2002
- M.B.A. (Human Resource), IGNO University, Delhi, February 2008

Experience:

- Teaching: 23 Years

Research Interests:

- Image Processing
- Information Security
- Cloud computing

Research Projects:

- Implementing Adaptive Dragonfly Optimization for Privacy Preservation

Patents: (Details)

- System and method implementing adaptive dragonfly optimization for privacy preservation in Internet of Things (IoT)

Number of Publications:

International Journal: 38

International Conference: 19

National Conference: 3

Number of Books / Book chapters Published: 02

Number of PhD students Guided: 04

Number of PhD students Evaluated: 06

Number of PG Students Guided: 04

Recognition/ Awards:

- Recognized as a Post Graduate Teacher in the Subject of Information Technology and Computer Engineering at Savitribai Phule Pune University, Pune.
- Recognized as a Ph.D. Guide in the Subject of Computer Engineering in Savitribai Phule Pune University, Pune.

Professional Society Memberships:

- Life Member of ISTE (The Indian Society for Technical Education) – LM46882

Number of FDPs / STTPs organized: 01

Number of Workshops organized: 01

Number of Conferences / Seminars organized: 02

Number of FDPs / STTPs attended: 11

Number of Workshops attended: 18

Number of Conferences / Seminars attended: 10

Number of Online Certification Courses done: 05

Number of Webinar attended: 02

Number of times served as a Resource Person: 02

Number of times served as a Reviewer / Judge: 11

Details of Research papers published:

- International Journal of Recent Trends in Engineering, ISSN 1797-9617, November 2009, Volume 2, Issue-4 on “Mobile Agent based Distributed System Computing in Network”

- International Journal of Recent Trends in Engineering, ISSN 1797-9617, November 2009, Volume 2, Issue-4 on “Techniques for Efficiently Serving Data and Dynamic Data at Web servers using Internet and Intranet Technology”
- International Journal of Computer Science and Applications (IJCSA 2010 Volume-1 Issue-1) ISSN No. 0974-0767, May 2010 on “Removing Skeleton Redundancies in Regulated Morphological Skeleton Transform”
- International Journal of Advanced Computational Engineering and Networking, ISSN: 2320-2106, Volume-2, Issue-1, Jan-2014, “Spam Zombie Detection and Blocking Mechanism”
- Cyber Times International Journal of Technology & Management Volume 7, Issue 1, October 2013- March 2014 “Spam Zombie Detection and Blocking with Efficient Content Filtering Mechanism”.
- International Journal of Advanced Research in Computer Science and Software Engineering, IJARCSSE, Volume 4, Issue 7, July – 2014, “Spam Zombie Detection and Blocking with Efficient Content Filtering and User Feedback Mechanism”
- International Journal of Innovations & Advancement in Computer Science (IJIACS), Volume 3, Issue 9, November 2014, ISSN 2347-8616 “Survey on a PTP Approach to Provide Trust in Network Security for Misbehavior Detection”
- International Engineering Research Journal (IERJ) Volume 1, Issue 11 Pages 1606- 1609, 2016, ISSN 2395-1621 “Survey on Securing Privacy and Protecting Content of Location Based Queries”
- International Journal of Science and Research (IJSR), ISSN (Online): 2319-7064, Index Copernicus Value (2015): 78.96, Impact Factor (2015): 6.391, Volume-5, Issue-12, December 2016, Paper ID: ART20163514, “A Survey on Traffic Detection from Twitter Tweets Analysis”
- International Journal of Engineering Trends and Technology (IJETT) – Volume 47 Issue 8 May 2017, ISSN: 2231-5381, <http://www.ijettjournal.org>, Page 458, “Real Time Traffic Detection using Twitter Tweets Analysis”
- International Journal of Applied Evolutionary Computation Volume 10, Issue 3, July- September 2019 ISSN: 1942-3594 “Analysis of Privacy Preservation Techniques in IoT”

- Journal of High-Speed Networks Volume 25 Issue- 4 (2019) 331–348 DOI 10.3233/JHS-190619 IOS Press ISSN: 0926-6801 “Implementing adaptive dragonfly optimization for privacy preservation in IoT”
- International Journal of Engineering and Advanced Technology (IJEAT)', ISSN: 2249-8958 (Online), Volume-9 Issue-4, April 2020, Page No. 915-922 “Algorithmic Analysis on Adaptive Dragonfly based Optimal Key Generation for Privacy Preservation in IoT”
- Design Engineering, Scopus Index- Q4, Ei Compendex, ISSN: 0011-9342 | Year 2021 Issue: 7 | Pages: 7567-7575, “Block chain Based Privacy Preservation in Modern IoT Devices”
- Design Engineering, Scopus Index- Q4, Ei Compendex, ISSN: 0011-9342 | Year 2021 Issue: 7 | Pages: 7567-7575, “Fog Computing Based Security of IoT Application”
- Turkish Journal of Physiotherapy and Rehabilitation; 32(3) ISSN 2651-4451 | e-ISSN 2651- 446X, Pages-12503-12507, “IoT Based Cloud Computing Application and Their Security”
- Turkish Journal of Physiotherapy and Rehabilitation; 32(3) ISSN 2651-4451 | e-ISSN 2651- 446X, Pages-12498-12502, “Security and Privacy Issues in Cloud Computing”
- International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) Volume 2, Issue 1, November 2022, ISSN (Online) 2581-9429, DOI: 10.48175/IJARSCT-7514 “Detection of Distributed Denial of Service Attack in SDN using a Machine Learning Technique”
- Industrial Engineering Journal ISSN: 0970-2555 Volume: 53, Issue 2, No. 2, February: 2024 UGC CARE Group-1, Page No. 101, “An In-Depth Exploration of Contemporary Approaches for Detecting Botnet Attacks”
- Journal of Autonomous Intelligence (2024) Volume 7 Issue 5 doi: 10.32629/jai.v7i5.1329, “Intelligent approaches for early prediction of learning disabilities in children using learning patterns: A survey and discussion”
- International Journal of Intelligent Systems and Applications in Engineering ISSN:2147-6799 www.ijisae.org, IJISAE, 2024, 12(21s), 487–493, “Genetic Algorithms and Machine Learning for Optimal Power Flow Solutions”

- International Journal of Intelligent Systems and Applications in Engineering ISSN:2147-6799 www.ijisae.org, IJISAE, 2024, 12(21s), 592–599, “Identifying Fake News on ISOT Data using Stemming Method with a Subdomain of AI Algorithms”
- International Journal of Intelligent Systems and Applications in Engineering ISSN:2147-6799 www.ijisae.org, IJISAE, 2024, 12(21s), 501–511, “An Illustrative Review Cryptographic Algorithms for Scada Application in Networking Ntru for Security”
- International Journal of Intelligent Systems and Applications in Engineering ISSN:2147-6799 www.ijisae.org, IJISAE, 2024, 12(21s), 479–486, “Image Super-Resolution with Deep Learning: Enhancing Visual Quality using SRCNN”
- International Journal of Intelligent Systems and Applications in Engineering ISSN:2147-6799 www.ijisae.org, IJISAE, 2024, 12(21s), 471–478, “Pematic Segmentation in Medical Imaging using U-Net Convolutional Neural Networks”
- International Journal of Creative Research Thoughts (IJCRT), www.ijcrt.org, 2024 IJCRT, Volume 12, Issue 3 March 2024, ISSN: 2320-2882, “Smart Voting System Using Face Detection, OTP Verification, And Blockchain”.
- Indian Journal of Technical Education (IJTE), Volume 47, Special Issue No. 2 May 2024, Page No. 165-170, ISSN 0971-3034, Indexed in the UGC-Care Journal list, published by Indian Society For Technical Education (ISTE), Near Katwaria Sarai, Shaheed Jeet Singh Marg, New Delhi-110 016, “A Technique for Re-identifying Person in Video Surveillance through the Amalgamation of Deep Neural Networks”
- Industrial Engineering Journal ISSN: 0970-2555 Volume: 53, Issue 5, No.1, May: 2024 UGC CARE Group-1, Page No. 116-122, “Smart Voting System using Face Detection, OTP Verification and Blockchain”
- Journal of Information Systems Engineering and Management 2025, 10(1) e-ISSN: 2468-4376, DOI: <https://doi.org/10.52783/jisem.v10i1.5>, <https://www.jisem-journal.com/>, “The Impact of Predictive Analytics on Employee Performance Evaluation and Succession Planning in Modern Organizations”
- Journal of Neonatal Surgery | Year: 2024 | Volume: 13 | Page ID: 36, DOI: <https://doi.org/10.52783/jns.v13.1430>, “Advancements in Surgical Robotics and AI-Driven Technologies for Precision Medicine”

- Engineered Science Publisher Journal Volume 32, 2024, DOI: 10.30919/es1345, "Automated Dyslexia Screening Using Children's Handwriting in English Language with Convolutional Neural Network and Bidirectional Long Short-Term Memory Model"
- Journal of Information Security and Applications, Volume 89, March 2025, 103961, <https://doi.org/10.1016/j.jisa.2024.103961>, "Intelligent detection framework for IoT-botnet detection: DBN-RNN with improved feature set"
- International Journal of Modeling, Simulation, and Scientific Computing, ISSN (print): 1793-9623, ISSN(online): 1793-9615, March 2025, <https://doi.org/10.1142/S1793962325500230> "Hybrid optimal load balancing with modified fuzzy clustering-based virtual machine categorization"
- Journal of Information Systems Engineering and Management, 2025, 10(15s), e-ISSN: 2468-4376, <https://www.jisem-journal.com>, <https://doi.org/10.52783/jisem.v10i15s.2464>, "Early Prediction of Depression by using Text and Deep Learning"
- Journal of Information Systems Engineering and Management, 2025,10(31s), e-ISSN:2468-4376, <https://www.jisemjournal.com>, DOI: <https://doi.org/10.52783/jisem.v10i31s.5132> "Echoes of the Mind: A CNN Approach for Early Mental Health Prediction"
- Journal of Ambient Intelligence and Humanized Computing <https://doi.org/10.1007/s12652-025-04974-4>, "HyDeepIDF-Net: Hybrid Deep ID FaceNet for Person Re-Identification"
- MethodsX 14 (2025) 103370, www.elsevier.com/locate/methodsx, "HEDL: Deep learning multiple approaches for early detection of depression using sarcastic text"
- Intelligent Decision Technologies 1–24, 2025, <https://doi.org/10.1177/18724981251336922>, "WSN-IoT enabled Fractional Eel and Grouper Optimizer based Siamese Convolutional Neural Network for aqua quality prediction in distributed environment"

Details of books / book chapters published:

- Ravindra S. Apare et. al., "Human-Computer Interaction" book for TE(IT), SPPU by Technical Publication in July 2017 and Revised Edition in June 2018, ISBN 978-93-332-1605-0

- Dr. Ravindra S. Apare et. al., "Human-Computer Interaction" book for TE (IT) 2019 Course, SPPU by Technical Publication in July 2021, ISBN 978-93-91567- 23-1
- Research Anthology on Privatizing and Securing Data, ISBN13: 9781799889540 | ISBN10: 1799889548 | EISBN13: 9781799889557 DOI: 10.4018/978-1-7998-8954-0 Chapter-063, Pages-1343-1351 "Analysis of Privacy Preservation Techniques in IoT"
- Learning and Analytics in Intelligent Systems, 43, pp. 265-276, May 2025, DOI: 10.1007/978-981-97-9855-1_18, In book: Data Science and Big Data Analytics, "Handwritten Text-Based Learning Disability Prediction in Children Using Deep Neural Networks"

Details of FDPs / STTPs attended in last 5 years:

- Online International Level Faculty Development Program on "Data Science using Machine Learning" organized by Pravara Rural Engineering College, Loni in Collaboration with ExcellR Solutions from 2nd January 2023 to 6th January 2023.
- Train The Trainer Program with a Gold Grade on Artificial intelligence under Future Skills Prime Programme by CDAC, Pune from 12th June 2023 to 24th June 2023.
- Train The Trainer Program with a Bronze Grade on Augmented and Virtual Reality under Future Skills Prime Programme by CDAC, Pune from 04th July 2023 to 17th July 2023.
- One Week National Level FDP on Cloud Infrastructure (AWS) organized by Computer Department, TCOER, Pune in collaboration with Brainovision Solutions India and AICTE from 21st to 25th August 2023.
- One-week Hybrid Mode FDP on "NextGen Computing: Blockchain and AI" organized by the Department of Information Technology, Marathwada Mitra Mandal's College of Engineering, Karve Nagar, Pune in association with The Institution of Engineers (India), Pune Local Centre & SoftTech Data Securities held from 04th September 2023 to 08th September 2023.
- Bridge Course Training Program on Certificate Course in AR VR Game Development using Unity Future Skills Prime Programme by CDAC, Pune from 10th September 2023 to 10th October 2023.
- ISTE approved a week Short Term Training Program on "Developing Research Culture in Education Institutes as per Recent Trends in Industry" organized by the

Department of Electronics and Telecommunication Engineering Pune in association with the Industry Advisory Board from 18/12/2023 to 22/12/2023.

- National Level AICTE-ISTE Approved Two Weeks Faculty Development Program (Online mode) On “Innovative Teaching and Research Methodologies” organized by Department of Information Technology, Smt. Kashibai Navale College of Engineering, Pune, Maharashtra, India, conducted from 20th February to 4th March 2024.
- One Week Faculty Development Program on “Cognitive Computing for Smart Applications” organized by the Department of Artificial Intelligence and Data Science, Vishwakarma Institute of Information Technology, Pune from 18th March 2024 to 22nd March 2024.
- Faculty Development program on “NEP 2020 Higher Education Envision & Perspectives” Organized by the Department of Computer Engineering, Trinity College of Engineering & Research Pune, from 21 March to 28 March 2024.
- National Level One Week Faculty Development Program on “AWS Cloud Fundamental and Services” Organized by the Department of Information Technology in association with Infosit and Business Club March 27 TO 31, 2024.
- International Faculty Development Program or “AI for Sustainable Development” from 5th August 2024 to 9th August 2024, organized by VIIT, Pune, IEEE Region 10 Humanitarian Technology activities, IEEE Pune Section, IEEE Pune Section SIGHT group, IEEE Pune section SIG on “Energy and Environmental Engineering” and IEEE VIIT Student Branch
- One week FDP on “Blockchain: The Next Frontier in Cybersecurity and Privacy” organized by Department of Information Technology, Marathwada MitraMandal's College of Engineering, Karve Nagar, Pune during 20th August 2024 to 24th August 2024, Sponsored by AYANWORKS Technologies , In Association with IEEE Pune Blockchain Group, IETE Pune centre , SoftTech Data Securities.

Major Portfolios Handled: (college level and department level)

- ERP Campus Head (3 Engineering, 1 Polytechnic, 2 Pharmacy Colleges)
- NBA Department Coordinator of Facilities and Technical Support Committee.
- NBA Institute Coordinator of Teaching and Learning Committee

- CDAC's Institute Coordinator.
- Departmental NAAC Coordinator
- NAAC Institute Coordinator of Criterion 4 - Infrastructure and Learning Resources
- NAAC Coordinator of Workshop, FDP Conducted, Interaction with Universities.
- NAAC Institute Coordinator of Criterion 1- Curricular Aspects (Curricular Planning and Implementation, Academic Flexibility, Curriculum Enrichment, Feedback System)
- ERP Coordinator
- Training and Placement Coordinator
- Microsoft Teams Coordinator
- GEMS Coordinator (ERP)
- K-Point Coordinator (Audio Recorded Lectures)
- Dean Research & Development

Role in University Bodies....

- External and Internal Senior Supervisor for University Examination
- Assistant CAP director for SECAP & TECAP in Savitribai Phule Pune University.
- Syllabus Setting Chairman for OOP and OOPL (SE IT and SE AIML 2024 Course).
- Paper Setting Chairman SE, TE, BE & ME IT Subjects

Any other information which is not covered in above points:

- Copyright Titles: 06
- Research Grant: 01