

Dr. Mrs. Anupama D. Sakhare

MRS. ANUPAMA DEVENDRA SAKHARE

Assistant Professor Sr.Gr. (Computer Sc.)

Department of Electronics Computer Science
Rashtrasant Tukadoji Maharaj, Nagpur University,
Nagpur-440 033 (M.S.)



Phone: (O) 07122500441

E-mail: avgaibhiye@yahoo.co.in

Academic Profile:

- M.Sc., Nagpur University, Nagpur (2001)
- National Eligibility Test Computer Science and Applications (2003)
- Ph.D. Awarded (2020)

Positions Held:

- Lecturer UG, PG, SFS College, RTMNU
- Lecturer UG, PG, S.K. Porwal College, RTMNU
- Lecturer PG, Science College, RTMNU
- Lecturer PG, Deptt. of Computer Sc., RTMNU
- Contributory Lecturer Bio- Informatics, Deptt. Of Microbiology, RTMNU
- Director, IICC, RTMNU
- HOD, Department of Electronics and Computer Science, RTMNU

Present status:

- Assistant Professor, Deptt. Of Electronics and Computer Science, RTMNU (From Dt.20/11/2004 till date)

Area of Interest:

Machine Learning

Guidance:

Project Guidance provided to PG students

Papers Published:

1. A.D. Sakhare, "Implementation of Component Object Model for the Design of Spatial Decision Support System", National Conference on Recent Advances and Future Trends in IT", Punjabi University, Patiala, 2005
2. A.D. Sakhare, "Nano Code Generators", Proceedings of the UGC Sponsored National Conference on Recent Trends in Nano Science, Nagpur, 2006
3. A.D. Sakhare, M.S. Korde, P. Bidwai, "Fuzzy Clustering Analysis for Flavonoids in Foods", Proceedings of the UGC Sponsored National Conference on Recent Advances in Physics and Mathematics, Nagpur, 2006

4. A.D. Sakhare, P.G. Khot, "Design Patterns for routing Policies in ISP Networks", ICSTACTRIT-2006-XXVI, ISPS International Conference, Dravidian University, 2006.
5. A.D. Sakhare, PG. Khot, "Neural Network based Optimal Routing Algorithm for Interdomain Routing", ICSTACTRIT-2006-XXVI, ISPS International Conference, Dravidian university, 2006
6. A.D. Sakhare, PG. Khot, "Neural Network based Optima Routing Algorithm for Interdomain Routing using SOM", National Conference on Interdisciplinary Research, Parbhani, 2007
7. A.D. Sakhare, PG. Khot, "The Internet's BGP Table Analysis", Punjabi University, Patiala 2007.
8. A.D. Sakhare, PG. Khot, "Modeling the Routing of Autonomous Systems with C-BGP", Panjabi University, Patiala, 2007.
9. A.D. Sakhare, PG. Khot, "Security of Border Gateway Protocol", National Conference on Network Security, SFS College Nagpur, 2007
10. A.D. Sakhare, PG. Khot, "Counter Measures for secure BGP" National Conference on Nerwork Security, SFS College Nagpur, 2007
11. A.D. Sakhare, PG. Khot, "Security of Border Gareway protocol", National Conference on Network Security, SFS College Nagpur, 2007.
12. A.D. Sakhare, PG. Khot, "Route Mining with an Ant Colony Optimization Algorithm", International Conference on Statistics and its Applications in OR, Management/Life Sciences, Deptt. of Statistics, R.T.M. Nagpur University, Nagpur, 2008.
13. A.D. Sakhare, PG. Knot, "Comparative Analysis of BGPIPV4 and IPV6 Instability", International Conference on Statistics and its Applications in OR, Management/Life Sciences, Deptt. of Statistics, R.T.M. Nagpur University, Nagpur, 2008.
14. A.D. Sakhare , "Fractals and P systems" , International Conference on Recent Advances in Mathematical Sciences and Applications ICRAMSA-2001, Calcutta Mathematical Society, Kolkata.
15. A.D. Sakhare, "Modeling DNA Tiles", National Conference on Information and Integrative Biology, Bose Institute, Kolkata, 2011.
16. A.D. Sakhare, "Path Exploration in Inter-domain using Echolocation", ISSN: 09734414, Vol.5, No.2, July-Dec.2012
17. A.D. Sakhare, "Inter-domain Routing using ACO Model", ISSN: 0975-6728, April 2012 Issue:, 01 Vol. 02, pp. 68-70
18. A.D. Sakhare, Ambika Jaiswal, "Network Optimization with Shortest-Path Inter-domain Routing Algorithm using Self Organizing Map", Review of Research, ISSN- 2249-894X, Vol.1, Issue VIII/ May 2012, pp.1-4.

19. A.D.Sakhare, "Particle Swarm Optimization: Technique and Systems", National Conference, NCRAECS-2014, Science College Nagpur, ISBN 978-81-906457-5-1, Jan-2014.
20. A.D. Sakhare, "Stock Trading System With Particle Swarm Optimization Algorithm", National Symposium On Innovative Trade Practices For Sustainable Growth And Development Of Business, GHRIT, ISSN 2250-0596, Feb 2014.
21. A.D.Sakhare, "Particle Swam Optimization: An Overview", International Conference On Emerging Trends In Engineering And Technology, ISBN: 9788192958033, IFERP Bengaluru, August 2014.
22. A.D.Sakhare, "English-Pali Language Lab Software For Value Education Using Collaborative Learning", National Seminar On Use Of Technological Resources In Language Teaching and Learning, ISBN: 978-93-83132-16-4, Arts, Commerce And Science College, Koradi, Nagpur, Oct.2014.
23. A.D.Sakhare, "Metabolic Modeling With Natural Computing", International Conference On Futuristic Materials And Emerging Trends In Forensic And Life Sciences, ICFM-2015, Department OF Chemistry, Nagpur. 2015.
24. A.D.Sakhare, T.R.Sontakke, "Natural Clustering Analysis", International Journal Of Engineering Sciences And Research Technology, IJESRT, ISSN: 2277-9655, Oct.2015.
25. A. D. Sakhare, "Clustering Microarray Gene Expression Data With Fluroescence", National Conference On Luminescence And Its Application", Department Of Physcis
26. A.D.Sakhare, "A Study Of Linguistic change using N-gram viewer", Journal Of Interdisciplinary cycle research, Vol. XII, Issue XI, November 2020, pp 75-83.
27. A.V.Gajbhiye(Sakhare), J.K.Sirur, "Mesaurement of Employee Productivity using cluster Analysis of behavioral Integrity, IOSR Journal OF Computer Engineering, 2016.
27. A.D.Sakhare, "Data Analysis of Natural clusters with NCSS11", Int. Journal of Electrical Electronics and Data communication, vol. 5, Issue 2, Feb 2017.
28. A.D.Sakhare, Arshad Shareef and Varsha Rangari, "Pali Lexicography using Lexonomy" IOP publishing, J.Phys.: Conf Ser. 1913012097, 2021.
29. A.D.Sakhare, "Text analysis of Karaniya Metta Sutta using Text Analyzer " Journal of Interdisciplinary Cycle Research, Vol. XIII, January 2021, pp 622-631.
30. S.Dhoke, A.D.Sakhare, and S.J.Sharma "Efficient Scraping of Data from Websites Using Selenium", Journal of Emerging Technologies and Innovative Research, 2022, Vol.9. Issue 6, pp 353-357.
31. S. R. Damahe, A. D. Sakhare, S. J. Sharma, "Smart Fans using IoT", Proceedings of the 108th Indian Science Congress, 3-7 Jan. 2023, R.T.M. Nagpur University, Nagpur.

32. A. D. Sakhare, "Prediction of Alzheimer disease using Machine Learning", Proceedings of the 108th Indian Science Congress, 3-7 Jan. 2023, R.T.M. Nagpur University, Nagpur.

33. Biju Angalees, Anupama Sakhare, "A Review of Invasive Ductal Carcinoma Detection using Deep Learning", National Conference on "Research Innovations in ICT and Computing Technologies" (NCRIICT), pp. 115-119, 2023.

34. Namrata D Sohaney, Anupama D. Sakhare, "Security Issues in IoT Environment", National Conference on "Research Innovations in ICT and Computing Technologies" (NCRIICT), 2023.

35. Ms. Madhuri R. Meshram, Dr. A. D. Sakhare, "A Survey of Detection of Schizophrenia using Machine Learning", National Conference on "Research Innovations in ICT and Computing Technologies" (NCRIICT), 2023.

36. Atul R. Thaware & Anupama D. Sakhare, "A Comprehensive Review of Artificial Immune System, issues and its Applications in IoT Security", National Conference on "Research Innovations in ICT and Computing Technologies" (NCRIICT), 2023.

37. A. D. Sakhare, "Analysis of Comprehensive Solutions for the Pali Context of Karaniya Metta Sutta", IOSR- Journal of Computer Engineering, Volume 22, Issue 3, May 2020, pp. 36-37.

38. A. V. Gajbhiye (Sakhare), T. R. Sontakke, "An Overview of Natural Computing Paradigms", IOSR- Journal of Computer Engineering, Vol 19, Issue 2, Ver IV, Mar. 2017, pp. 42-44.

Books Published:

1. A. D. Sakhare, Business Visibility with Enterprise Resource Planning, Partridge Publication.
2. A. D. Sakhare, Computing Organizational Behavior, Partridge Publication.
3. A. D. Sakhare, Computer fundamentals, Swastik Publication.
4. A. D. Sakhare, Java Programming, Swastik Publication.
5. A. D. Sakhare, e-Commerce, Swastik Publication.

Patent:

1. A.D. Sakhare, "Method and System for determining path Exploration Monitoring using Bio-Inspired Techniques "Journal of Indian Patents, Publication Date: 22/01/2010.
2. A.D. Sakhare, "Method and System, for Recognizing Ancient Inscribed Pail Characters using Fuzzy Filters", Journal of Indian Patents, Publication Dt. 27/01/2012.

Total Teaching Experience:

- Under-graduate (Pass): 3 years
- Under-graduate (Hons.): 3 years
- Post-graduate: 15 years

Membership of Professional bodies:

· Life Member of IETE, Internet Society

Positions held in the University:

Worked as member- L.E.C., B.O.S., B.O.E., R.R.C., B.U.T.R., Purchase Committee, Inspection Committee, Selection Committee, Chairperson Admission Committee-MCA-CET05, M.Sc. (Electronics)

Examination related work-

Paper Setting, Moderation, Valuation

Worked as Resource person for the-

(i) Remedial coaching for SC/ST and Backward Centre to teach the students appearing for UGCNET (Computer Sc. And Applications)

- Examination preparatory course.

(ii) Refresher course on SYSTAT package conducted by Academic Staff College in the subject-Library and Info. Sc.

Participation/Nomination in other Academic Bodies:

(i) UGC -- Subject Expert, Project Grants, WRO- Pune

Subject Expert, Review of Deemed to be University

(ii) AICTE -- Inspection for increasing the MCA intake seats

(iii) NCERT -- Co-ordinator, National Level NCERT Teachers Faculty Development programme on the theme "Web Development."

(iv) CBSE -- Observer, AIEEE 2006 Exam. Conducted at Nagpur

Observer, AIEE 2007 Exam. Conducted at Hyderabad

(v) VANAMATI -- Conducted interview of Programmers and Computer Operators.

(vi) Navodaya Vidyalaya Samiti -- Conducted interview for the posts of PGT Computer Teacher and System Administrator.

(vii) Pt. Ravishankar S. University, Raipur -- Paper setting and Valuation.

(viii) Sant Gadge Baba Amravati University -- Paper setting

Awards/ Honors/ Recognition:

i. Felicitated by Dr. Bongkot Sitthipol, Mahamongkolchai World Peaceful Foundation, Kanchanburi Thailand for outstanding contribution in the field of Peace Development.

ii. Felicitated by Science College, Nagpur

(1) First Merit, Post B.Sc. Dip, in Comp. Sc. And Applications examination.

(2) First to pass UGC-NET Computer Science and Applications Exam. from RTMNU

iii. Felicitated by Bodhichetiyang, Bhandara For Meritorious performance in Computer Studies

iv. Contribution to teaching & academic environment Conducted Seminars, Project Competitions, Jointly Organized International Conference, Placement Interviews, Industrial Tours/Visits for Electronics & Computer Sc. Students.

Invited speaker:

(1) IETE, Nagpur.

(2) Dharampeth Sc. College, Nagpur.

(3) Dr. Ambedkar College, Nagpur.

