

Manisha Mahindrakar



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Objective:

Academic Qualification:

- ❖ Doctor of Philosophy (Ph. D.)
(Yr-2022, *from* SRTMU, Nanded.)
- ❖ Master of Technology (M.Tech.)
(A-Grade, Yr-2011, *from* IIT Mumbai)
- ❖ Bachelor of Engineering (B.E.)
(Distinction, Yr- 2001, *from* SGGSIE&T, Nanded)
- ❖ Higher Secondary C (HSC)
(1st Division, Yr-1997, *from* Dayanand Mahavidyalay, Latur)
- ❖ SSC
(1st Division, Yr-1995, *from* Shri Deshikendra Vidyalay, Latur)

Ph. D. Thesis:

“Novel Soft-Computing Methods for Classification and Rule Extraction”, under the guidance of **Dr. U. V. Kulkarni, Professor, CSE Department, SGGS IET, Nanded.**

Masters Thesis:

Security in web application particularly Cross site Scripting (XSS) vulnerabilities and attacks, under the guidance of **Prof Bernard Menezes in IIT, Mumbai.**

Publications:

- I. Mahindrakar, M.S., Kulkarni, U.V. “Optimized Fuzzy Hypersphere Neural Network with Online Adaptation Capability”. In: Iyer, B., Crick, T., Peng, SL. (eds) Applied Computational Technologies. ICCET 2022. Smart Innovation, Systems and Technologies, vol 303. Springer, Singapore. https://doi.org/10.1007/978-981-19-2719-5_7.
- II. Mahindrakar, M.S., Kulkarni, U.V. “Unbounded Fuzzy Hypersphere Neural Network Classifier”, J. Inst. Eng. India Ser. B 103, 1335–1343 (2022). <https://doi.org/10.1007/s40031-022-00719-5>
- III. M. S. Mahindrakar, U. V. Kulkarni, “Unbounded Fuzzy Hypersphere Neural Network with Ant Colony Optimization based Rule Extraction for Decision Making” in Pensee International Journal, vol 55, issue 05, 2021.
- IV. Kirti V. Khedkar, M. S. Mahindrakar, “Analysis of Classification Algorithms Using Neuro-Fuzzy Approach”, in Journal of Emerging Technologies and Innovative Research, vol 6, issue 6, July 2019.

- V. Rushika R. Debadwar, M. S. Mahindrakar, "Vehicle plate detection technique: A Survey", in the Second International Conference on Electronics, Communication and Aerospace Technology (ICECA-2018), March-2018.
- VI. Hemant J. Chaudhari, M. S. Mahindrakar, "Feature Extraction of Malware Infected Files and Malicious Datasets" in International Journal of Innovative Research in Computer and Communication Engineering (IJRCCE), vol 5, issue 6, June 2017
- VII. M S Mahindrakar, "A Survey on Cross-Site Request Forgery" in IJRIT International Journal of Research in Information Technology, Volume 3, Issue 5, Pg.358-363, May 2015.
- VIII. M S Mahindrakar, "Prevention to Cross-site Scripting Attacks: A Survey" in International Journal of Science and Research (IJSR) , Vol 3 issue 7, July 2014.
<http://www.ijrsr.net/v3i7.php#sthash.f1lj0tNW.dpbs>
- IX. Suryawanshi L B, M S Mahindrakar, "Multicast Data Origin Authentication: A Survey" in International Journal of Mobile and Adhoc Network (IJMAN), Vol 3, issue 2, May 2013
http://www.ifrsa.org/index.php?option=com_content&view=article&id=80&Itemid=79

Courses Organized and Participated:

- I. Participated in online ATAL FDP on "Deep Learning: Models and Use cases using Python" for one week from **12 to 21 December 2022** at Indian Institute of Information Technology, Una.
- II. Participated in online ATAL FDP on "Data Science" for one week from **27 to 31 December 2021** at Indian Institute of Information Technology, Una.
- III. Participated in online ATAL FDP on "Recent Trends and Advancements in ANN and Deep learning for Real Time Applications" for one week from **20 to 24 December 2021** at Rungta College of Engineering and Technology, Bhilai.
- IV. Participated in online ATAL FDP on "Artificial Intelligence and Machine Learning for Healthcare" for one week from **13 to 17 December 2021** at College of Engineering Pune.
- V. Participated in online ATAL FDP on "Blended Learning and Flipped Classroom" for one week from **10 to 14 August 2020** at Sardar Vallabhbhai National Institute of Technology Surat.
- VI. Participated in STTP "**Machine Learning and Applications**" for one week from **21 to 25 January 2019** at SGGSI&T, Nanded.
- VII. Participated in workshop on "**Academic Leadership Development Programme**" for three days from **3-5 January 2019** at IIT Mumbai
- VIII. Participated in STTP "**Cyber Security**" for one week from **6 to 10 March 2018** at SGGSI&T, Nanded.
- IX. Participated in STTP "**Soft Computing Techniques and Applications**" for one week from **23 to 28 December 2017** at Bansthalli, Rajasthan.
- X. Participated in STTP "**Essentials of Neural Network and Fuzzy Logics**" for one week from **18 to 22 December 2017** at SGGSI&T, Nanded.
- XI. Participated in STTP "**Machine Learning using python**" for one week from **11 to 16 December 2017** at SGGSI&T, Nanded.
- XII. Participated in STTP "**Design and Development of small satellite**" for one week from **24 to 29 March 2017** at SGGSI&T, Nanded.
- XIII. Participated in STTP "**Computer Vision and Pattern Recognition**" for two week from **13 to 23 July 2016** at SGGSI&T, Nanded.
- XIV. Participated in STTP "**Big Data Analysis**" for one week from **20 to 25 June 2016** at SGGSI&T, Nanded.

- XV. Participated in STTP **“MATLAB in Research and Data Analysis”** for one week from **2 to 7 May 2016** at SGGSI&T, Nanded
- XVI. Participated in STTP **“Fundamentals and Advances in Artificial neural Networks”** for one week from **9 to 13 June 2014** at SGGSI&T, Nanded.
- XVII. Participated in interdisciplinary STTP **“Emerging Trends in Nanoscience and Nanotechnology”** for one week from **6 to 10 August 2013** at SGGSI&T, Nanded.
- XVIII. **Organized** and participated in short term training program on **“Security Challenges in Computer Science”** for one week from **24 to 28 May 2013** at SGGSI&T, Nanded.
- XIX. Participated in STTP **“Wireless Sensors and Their Applications”** for one week from **18 to 22 March 2013** at SGGSI&T, Nanded.
- XX. Participated in interdisciplinary STTP **“Research Methodology: Tools & Techniques”** for one week from **11 to 15 March 2013** at SGGSI&T, Nanded.
- XXI. Participated in STTP **“Linear Algebra and it’s Applications”** for two weeks from **21 May to 2 June 2012** at SGGSI&T, Nanded.
- XXII. Participated in STTP **“Recent Advances in Speech, Image & Video Processing”** for two weeks from **12 to 23 December 2011** at SGGSI&T, Nanded.
- XXIII. Participated in STTP **“Advanced programming in C++”** for two weeks from **15 to 28 June 2010** at IIT, Bombay, Mumbai.
- XXIV. Participated in STTP **“C Programming and its applications”** for two weeks from **22 to 26 June 2009** at SGGSI&T, Nanded.
- XXV. **Organized** and participated in short term training program on **“Computer Network Concepts to Recent Trends”** for one week from **25 to 29 May 2009** at SGGSI&T, Nanded.
- XXVI. Participated in STTP **“Current Trends in Information and Database Technology.”** for one week from **3 to 7 Jan 2009** at IIT, Bombay, Mumbai.
- XXVII. Participated in STTP **“New Concepts, Methods and Advanced Techniques in Speech and Image Processing, Pattern Recognition”** for two weeks from **15 to 26 May 2005** at SGGSI&T, Nanded.
- XXVIII. Participated in STTP **“Programming Paradigms: Verification prospective”** for two weeks from **8 to 20 December 2004** at SGGSI&T, Nanded.

Membership Details:

| Sr No | Details |
|-------|----------------------------------|
| 1 | IEEE Member |
| 2 | Lifetime member of ISTE-LM111198 |

Administrative Experience / Responsibilities Shouldered (at SGGSI&T Nanded)

| Sr No | Responsibility | From | To |
|-------|---|---------|---------|
| 1 | Departmental Time Table In charge | 2011 | 2013 |
| 2 | NBA Coordinator (Worked as a NBA Core Committee Member) | | |
| 3 | Worked as Examination co-ordinator during academic year | 2012-13 | 2014-15 |

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|---|---|------|------|
| | 2012-13, 2014-15 | | |
| 4 | Worked as committee member in Pragyyaa/Utsav | 2013 | 2019 |
| 5 | Worked as Faculty coordinator for Humanities and social sciences Cell | 2016 | 2018 |
| 6 | Worked as a NAAC Committee member | | |
| 7 | Institute Member of Disciplinary committee | 2022 | |

Subject Taught:

UG

Computer Algorithms
 Computer Organization
 Operating Systems
 Digital Electronics

PG

Computer Architecture and Parallel Processing
 Security Threats and Vulnerabilities

Worked as supervisor for 70 plus UG students and 10 plus PG students

Personal Information:

I was born on 1st February 1980.

My Hobbies includes listening Marathi and Hindi songs, spending time with friends and family members.