Safia Sadruddin (M.Tech)
Assistant Professor

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Professional Qualification:

- **Ph.D in Computer Engineering, (Pursuing)**
  Terna Engineering College, Mumbai University, Nerul, Navi-Mumbai.
- **M.Tech in Computer Engineering, 2010**
  Aligarh Muslim University, Aligarh
- **B.Tech in Computer Science and Engineering, 2007**
  J.R.N Rajasthan Vidyapeeth University, Rajasthan.

Short Biodata: Safia Sadruddin is an assistant professor in the Department of Information Technology since 2011. She is currently pursuing her PhD in Computer Engineering. Her research interests include software engineering, data structures , artificial intelligence and machine learning She is also a dedicated educator who is passionate about preparing the next generation of IT professionals.

Reviewer:

Reviewed papers of the 5th IEEE - International Conference on Advances in Science & Technology (IEEE-ICAST - 2022) organized by K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai.

Major Subjects:

- Data Structure & Analysis, Automata Theory, Python, Software Testing & Quality Assurance, Advanced Data Structure & Analysis

Citation Analysis:

2 citations (h-index 1 and i10-index 0) in google scholar

https://scholar.google.co.in/citations?user=0XQabLEAAAAJ&hl=en

List of Publication:

Journal Publications:

1. Safia Sadruddin and Rashid Ali, "Use of Wavelet-Fuzzy Features with PCA for Image Registration",Vol. 6 No. 1; ISSN 0973 – 5658Special Issue of BIJIT on Fuzzy Logic BIJIT - BVICAM's International Journal of Information Technology Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA).
2. Safia Sadruddin and Rashid Ali, "Image Registration Using Wavelet Transform",Vol.5 Issue 8, August 2016; ISSN(Online) 2319-7064,DOI:10.21275/23197064International Journal of Science and Research(IJSR).
3. Shivani Singh, Yasha Shetty, Vijayalaxmi Hubli, Mrs. Safia Saddrudin, "Vehicle Sharing Platform like Drivezy", International Research Journal of Engineering and Technology (IRJET-2021) e-ISSN: 2395-0056.
4. Bhupali Rane,Prof. Safia Sadruddin, Siddharth Borge, Jitendra Yadav, "Social and Business Networking Website within College", International Research Journal of Engineering and Technology (IRJET-2021) e-ISSN: 2395-0056.

Conferences and Workshops Publications:

1. Safia Sadruddin and Rashid Ali, "Neural Network Based Image Registration using Wavelet Transform", Proc. Of the International Conference on Intelligent System and Data Processing (ICISD-2011) ,VallabhVidyanagar, Gujarat, India, ISBN:978-1-6123-3002-0, pp. 259-263, January 2011.
2. Safia Sadruddin and Rashid Ali, "Neural Network Based Image Registration Using Wavelet-Fuzzy Features", Proc. Of the National Conference on Information Systems and Computer Networks (ISCON 2012), pp.1-5, Mathura, India.
3. Safia Sadruddin and Rashid Ali, "Neural Network Based Image Registration Using Wavelet Features with PCA", Proc. of the International Conference on Information Management in the Knowledge Economy (IMKE-2012), Chandigarh, India, ISBN: 978-81-920249-6-7, pp.6-11, July 2012.3.
4. Shruti Mule, Safia Sadruddin, VaishnaviPhadnis, KirtiBidgar and Mohit Mali,"Private Message Sharing using Two Level QR Code" , IEEE Explore International Conference on New Trends in Engineering & Technology-(ICNTET-2018).
5. Hemant Khachane, Prasad Bhogaonkar, Neha Dhuttargaon and Safia Sadruddin,"Sudoku Solver using Graph Coloring Technique", International Conference on Advancements in Interdisciplinary Research (AIR-2022).

Workshop/STTP:

1. Attended 10 days ISTE workshop on "Introduction to Research Methodologies" conducted by IIT Bombay.

2. Attended 10 days ISTE workshop on "Database Management System" conducted by IIT Bombay.

3. Attended 2 days hands-on on "Internet of Things", at Terna Engineering College.

4. Attended 2 days FDP on "Practical Approach and Hands on Training on Hadoop-Big Data" organized by Lokmanya Tilak College of engineering, Koparkhiane.

5. Attended one week STTP on "Data Mining with R", at VJTI, Matunga.

6. Attended 2 days workshop on "Accreditation and outcome based education- Center of Engineering Education", at Terna Engineering College.

7. Attended one week STTP on "Industrial Python", at A.C. Patil College of Engineering.

8. Attended 2 days workshop on “Effective Research Methodology”, at Terna Engineering College.

9. Attended one week workshop on “Advancement in Data Analytics”, at Terna

Engineering College.

10. Attended 4 weeks FDP on “Python for Data Science”, Swayam-NPTEL.

11. Attended one week FDP on “Python 3.4.3 Spoken Tutorial Project”, IIT Bombay.

12. Attended one week FDP on “Usage of Technology in Covid-19”, at Terna Engineering College.

13. Attended one week STTP on “Leveraging Artificial Intelligence and Data Analytics for Healthcare” at K. J. Somaiya Institute of Engineering Information Technology, Sion, Mumbai.

Research and Scholarly Contributions:

- **Ph.D. Research**: Design Multimodal Framework for Stress Detection Using Machine Learning
- **M. E. Research**: Soft Computing Techniques for Image Registration

Software Tools:

C, Python, Matlab, Eclipse, Pycharm

Experience:

- 12 years of Teaching Experience

Responsibilities Handled:

- AICTE SPOC for Smart India Hackathon
- Paper Setter
- Class Advisor
- Lab In-charge
- Mentor

Declaration:

I hereby declare that the foregoing information are correct and complete to the best of my knowledge.

Safia Sadruddin

Place: Navi Mumbai