Dr. Jagruti Ketan Save   jsave@frcrce.ac.in
Professor and HOD
Artificial Intelligence and data science Department
Fr. Conceicao Rodrigues College of Engineering, Mumbai (FrCRCE)

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Experience

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July 2022-Till date
Professor and HOD(AI&DS)
Fr. Conceicao Rodrigues College of Engineering, Mumbai (FrCRCE)

June 2019 – July 2022
Professor and HOD(IT)
Fr. Conceicao Rodrigues College of Engineering, Mumbai (FrCRCE)

July 2016 – June2019
Associate Professor and in-charge HOD(IT)
Fr. Conceicao Rodrigues College of Engineering, Mumbai (FrCRCE)

April 2014 – July 2016
Associate Professor (IT)
Fr. Conceiao Rodrigues College of Engineering, Mumbai (FrCRCE)

April 2011 – April 2014
Associate Professor (Computer) & Program coordinator for NBA
Fr. Conceicao Rodrigues College of Engineering, Mumbai (FrCRCE)

Oct 2005 – April 2011
Assistant Professor(Computer)
Fr. Conceicao Rodrigues College of Engineering, Mumbai (FrCRCE)

Jan 2004 – Oct 2005
Senior Lecturer and HOD(Computer Engineering Department)
Vidyavardhini's College of Engg. And Technology (VCET)

July 1997 – Jan 2004
Lecturer(Computer Engineering Department)
Vidyavardhini's College of Engg. And Technology (VCET)

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Education

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PhD(Engineering)

Specialization : Classification of Image database

NMIMS University
2018

ME(Computer Engineering)
Secured First class
Thadomal Shahani Engg. College
Mumbai University
2004

BE(Computer Engineering)
Secured First class with honour
Thadomal Shahani Engg. College
Mumbai University
1996

Diploma(Computer Engineering)
Secured distinction
B. V. Polytechnic, Vasai
Mumbai University
1993

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Awards Received

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Edutech Leadership award received at 11th World Education Congress Awards function on 7/7/22
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Projects Guided

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At Graduate Level : more than 50
At Post Graduate Level : 15

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Area of Specialization

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Statistics, Data analytics, DBMS, Image Processing, Soft Computing, Data mining
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Important Responsibilities handled

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- HOD and NBA program Coordinator
- Member of women development cell
- Member of Executive committee
- Member of Governing body
- Member of college development committee
- Chief Conductor for Semester Exam
- Conference Program chair for ICAC3'2021(International Conference on Advances on Computing, Communication and Control)

- Conference co chair and session chair for ICAC3'2017
- Technical committee member for ICAC3'2015
- Review Committee member for ICAC3'2013
- Conference Scheduling for ICAC3'2011
- Making Proceedings of conference for ICAC3'2009

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Interaction with outside world
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- Member of moderation committee to scrutinize results of engineering exam at Mumbai University 2022-23
- Reviewer for book chapter (Feb 2022)
- Resource person (Data analysis with statistics) for ISTE STTP on "Data science using Python" organized by Shah &Anchor Kutchhi engg. College (Dec 2021)
- Resource person (Image classification) for STTP organized by School of Computer Science and engineering, REVA University, Feb 2021
- External academic auditor for TSEC(Computer) for year 2018-19, 2019-20, 2020-21
- Reviewer for International conference on "Communication, Information and Computing Technology" 2021
- Reviewer for 4th International Conference on "Advances in Science & Technology (ICAST 2021)" organized by K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai, May 2021.
- Reviewer for AICTE Sponsored International E- Conference on "Advances in Information Technology and Research" organized by VIT, May 2021
- Paper setting for Mumbai University, NMIMS University and other autonomous colleges
- Examiner for Mumbai University
- Exam Auditor at SPIT
- Member of Syllabus setting committee for soft computing at K J Somaiya Institute
- Member of syllabus setting committee for subjects like data mining, image processing, soft computing at Mumbai University
- LIC committee member 2017
- DAB member at NMIMS

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Professional Membership
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The Indian Society for Technical Education (Membership no.: LM 29728)

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Paper Publications
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1. Shalva Thakurdesai a , Shubham Vira b , Gouri Kanitkar c , Dr. Jagruti Save, "Smart Gallery using Google Vision", International Conference on Smart Data Intelligence (ICSMDI 2021) organized by Kongunadu college of engg. and tehnolgy, Trichy, Tamil Nadu,India, on 29-31 April 2021 , E copy available at: https://ssrn.com/abstract=385276

2. Sujit N., Dylan D., Akshaye N., and Dr. Jagruti S., " Intelligent Security and Surveillance System Using Deep Learning Techniques", International Journal for Research in Engineering Application & Management (IJREAM) ISSN : 2454-9150 Vol-07, Issue-01, APR 2021, IJREAMV07I0173100 DOI : 10.35291/2454-9150.2021.0168, pg. 226-230

3. MayankTanna, Rohin Vaidya, JoysonGaurea , PriyaTanwar, SimrenBatra and Jagruti Save "FORESIGHTBOT: A chatbot for personal safety", PENSEE international journal, volume 51, issue 01, 2021

4. Akanksha Patro, Mahima Patel, Richa Shukla, Dr. Jagruti Save, "Real time news classification using machine learning International Journal of Advanced Science and Technology, Elsevier, Vol. 29, No.9s, pp. 620-630, May-20

5. Dr.Tanuja Sarode and Jagruti Save, "Walsh Transform based Feature Vector Generation for Image Database Classification," International Journal of Electrical and Computer Engineering, **SCOPUS indexed** journal, (IJECE), Vol. 6, No. 3, pp. 1176-1182, June 2016

6. Dr.Tanuja Sarode and Jagruti Save, "Classification of Image Database using DCT, DCT Wavelets and Vector Quantization," International Journal of Advanced Information Science and Technology (IJAIST) Vol. 44, No. 44, pp. 115-124, December 2015

7. Jean Rodrigues, Jagruti Save, "Segmentation of Abnormality in Ultrasound Images using Active Contour Segmentation" International Journal of Advanced Research in Computer and Communication Engineering, Vol.4, No. 10, Oct 2015

8. Garima Tripathi, Jagruti Save, "An Image Processing and Neural network based approach for Detection and Classification of plant diseases", IJECET, Vol 6, issue 4, April 15

9. H.B.Kekre, T.K.Sarode and J.K.Save, "Gender Classification of Human Faces using Class Based PCA," International Journal of Scientific and Research Publications (IJSRP), Vol. 4, Issue 2, pp. 1-9, February 2014

10. H.B.Kekre, T.K.Sarode and J.K.Save, "Column Transform based Feature Generation for Classification of Image Database," International Journal of Application or Innovation in Engineering and Management (IJAIEM), Vol. 3, Issue 7, pp. 172-181, July 2014

11. H.B.Kekre, T.K.Sarode and J.K.Save, "Generation of an Effective Training Feature Vector using VQ for Classification of Image Database," International Journal of Computer Applications (IJCA), Vol. 108, No. 18, pp. 15-23, December 2014

12. H.B.Kekre, T.K.Sarode and J.K.Save, "Classification of Image Database Using Independent Principal Component Analysis," International Journal of Advanced Computer Science and Applications (IJACSA), Vol. 4, No. 7, pp. 109-116, July 2013

13. H.B.Kekre, T.K.Sarode and J.K.Save, "An efficient method for similarity measure in Independent PCA based Classification," International Journal of Computers and Technology (IJCT), Vol. 9, No. 2, pp. 1099-1109, July 2013

14. H.B.Kekre, T.K.Sarode and J.K.Save, "New Clustering Algorithm for Vector Quantization using Walsh Sequence," International Journal of Computer Applications (IJCA), Vol. 39, No. 1, pp. 4-9, February 2012

15. H.B.Kekre, T.K.Sarode and J.K.Save, "Image Classification in Transform Domain," International Journal of Computer Science and Information Security (IJCSIS), Vol. 10, No. 3, pp. 91-97, March 2012

16. H.B.Kekre, T.K.Sarode and J.K.Save, "Error Vector Rotation Using Kekre Transform For Efficient Clustering In Vector Quantization," International Journal of Advances in Engineering & Technology(IJAET), Vol. 4, Issue 1, pp. 256-264, July 2012

17. H.B.Kekre, T.K.Sarode and J.K.Save, "Effect Of Distance Measures On Transform Based Image Classification," International Journal of Engineering Science and Technology (IJEST), Vol. 4, No. 08, pp. 3729-3742, August 2012

18. H.B.Kekre, T.K.Sarode and J.K.Save, "Performance Comparison of Wavelet Transforms, Generated from Orthogonal Transforms, in Classification of Image Database," International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE), Vol. 2, Issue 12, pp. 10-18, December 2012

19. Jagruti Save ,"PERSONAL ATHUNETICATION BY IRIS RECOGNITION" National conference on "Information Technology trends in Engineering Applications" Organized by Center for Post Graduate studies in Engineering,& IEEE - DSCE Student Branch, Dayananda Sagar College of Engineering, Shavige Bangalore- 560078, Karnataka, March 2009

20. Jagruti Save, "THE 2D WAVELET AND 2D CURVLET TRANSFORM FOR IMAGE PROCESSING" National conference on "Information Technology trends in Engineering Applications" Organized by Center for Post Graduate studies in Engineering,& IEEE - DSCE Student Branch, Dayananda Sagar College of Engineering, Shavige Bangalore- 560078, Karnataka, March 2009

21. Jagruti Save, H.B.Kekre, "Impulse Noise Removal And Perceptual Color Image Compression" Presented in ISTE approved National Conference on Image Processing organized by Thadomal Shahani Engg. College, Mumbai, Feb.