



Profile Description:

I am assistant professor in the department of CSBS. I have completed my master's in computer Engineering in 2013. I also completed PG course CDAC from Nashik in 2001. I am a committed researcher and experienced assistant professor with effective communication skills. I have an expertise and experience in a variety of areas, such as data science, deep learning, machine learning, medical diagnosis, and is good in programming subjects as well as in backend. Strong education professional pursuing Doctor of Philosophy - PhD focused on Computer Engineering. Developed an algorithm to predict early myocardial Infarction using score tree algorithm. This algorithm is also filed for patent. Proven record of accomplishment of achieving results as demonstrated by research awards, as well as total of 21 publications at international journals, conferences, and chapters such as Open Access, Unpaid Scopus Indexed, IEEE and Tailor & Francis CRC press. Outstanding innovator award for four consecutive years in 2019, 2020,2021 and 2022 at Indo Korea Primal Research Ideas in Science and Management PRISM Challenge with research award of INR 1,20,000. I also received grants from IEEE conferences during my research work.

Education:

Degree	University/Board	Percentage	Class	Year
Ph.D. (Computer Engineering)	University of Mumbai	-	Thesis submitted	August-2022
M.E (Computer Engineering)	University of Mumbai	73	Distinction	2013
CDAC	Nashik	63	First Class	2001
B.E (Electronics)	Nagpur University	63	First Class	1998
H.S.C	Pune	81	Distinction	1994
S.S.C	Maharashtra	82	Distinction	1992

Experience:

Institute	Designation	Period	
		From	To
DMCE, Airoli Navi Mumbai	Asst. Professor	1 st April 2011	- Till date
DMCE, Airoli Navi Mumbai	Lecturer	1 st Jul 2005	- 31 st March 2011
D.Y. Patil College of MCA, Akurdi, Pune.	Lecturer	Sep 2004	- Dec 2004
N.M.V.P. Talegaon, Pune	Lecturer	July 2003	- Nov 2003
SSI, Talegaon, Pune.	Faculty	Feb 2002	- Dec 2002
Kamptee Polytechnic, Kamptee, Nagpur.	Lecturer	Aug 1998	- May 1999
Total Experience		20 Years	

Industrial: 6 months

Sr.No.	Company / Industry	Designation	Duration
01	WV Electronics-Akurdi	UPS TESTING	Jan 2003- June 2003

Research:

Developed an algorithm to predict early myocardial Infarction using score tree algorithm. This algorithm is also filed for patent.

Achievements/ Awards:

Patent

202221046009	TEMP/E-1/52552/2022-MUM	1600	20788	FORM 1	Smart system for automatic diagnosis of Myocardial Infarction using Machine learning mechanism.
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Nusrat Parveen, Dr. S R Devane, Dr. Utkarsha S Pacharaney, Dr. Ashar Khan, Dr. Tamim Fazil and Dr. Shamim Akhtar, “Smart System for Automatic Diagnosis of Myocardial Infarction using Machine Learning Mechanism”, Patent Application No. 202221046009, filed on 12 th August 2022.

Conferences:

- ✓ **Total No. of Research and Technical Publications: 20**
- 7 Papers have been published in the reputed Refereed Journals [Indexed

SCOPUS/Google Scholar/Unpaid]

- 9 Papers have been documented in the Proceedings of the International Conferences.
- 4 Papers have been published in the Proceedings of National Conference.

✓ **International Journal :07**

1. Nusrat Parveen, Dr.S. R. Devane,” Detection of myocardial infarction on recent (Indian) dataset using machine learning”, International Journal of Informatics and Communication Technology, VolumeNo:11 IssueNo:1 ISSN.ISBN No:2252-8776 Month & YearApril'22.
2. Nusrat Parveen, Dr.S. R. Devane, Dr. Shamim Akhtar, “Synthetic Datasets for Myocardial Infarction Based on Actual Datasets”, International Journal of Application or Innovation in Engineering & Management, Volume No:10 Issue No: 5 ISSN.ISBNNo:2319-4847 Month & Year: June'21.
3. Mr. Rohit Ghumare,Mr. Abhishek Budar,Mr. Rohan Bordekar,Nusrat Parveen, “ PREDICTION OF DISEASE & PESTICIDES USING IMAGE PROCESSING OF UNHEALTHY CROPS”, Turkish Online Journal of Qualitative Inquiry (TOJQI), Volume No:12, Issue No:9 ISSN.ISBN No:4740-4756Month & Year:June'21.
4. Asmit Pawar, Ayeshwarya Manjhe, Samidha Mahind, Nusrat Parveen, “Image Encryption Using Dynamic DNA Cryptography”, International Journal of Scientific Research in Engineering and Management, Volume No:5 Issue No: 6ISSN.ISBN No:2582-3930 Month & Year: june'2021
5. Jyothi Burla, Suyash Jadhav, Vinay Jadhav, Nusrat Parveen, “Detecting COVID-19 from Chest X-Rays using Deep Learning”, International Journal of Trend in Research and Development, Volume No: 8 IssueNo:3 ISSN. ISBNNo:2394-333Month & Year:June 2021.
6. Rashmita Pandey, Chandan Thakur, Nusrat Parveen, “Multimedia Content Security with Random Key Generation Approach in Cloud Computing”, International Research Journal of Engineering and Technology (IRJET), Volume No:3 Issue No: 6 ISSN.ISBNNo:2395-0056Month & Year: Mar'2019.
7. Mrs. Madhura Phadke, S.L.Vaikole, N.Parveen, “Learned templates for speech recognition”, International Journal Of Computer Science And Applications Vol. 1, No. 2, August 2008 ISSN 0974-1003.

✓ **International Conferences :09**

1. Nusrat Parveen, Dr.S. R. Devane, Dr. Shamim Akhtar. "Early Detection of Myocardial Infarction Using Actual and Synthetic Datasets", IEEE-Xplore-IBSSC-Gwalior-Nov2021.
2. Nusrat Parveen, Dr.S. R. Devane, Dr. Shamim Akhtar. "Detection of Myocardial Infarction Using Ensemble Algorithm and Transfer Learning", IEEE-Xplore-TENSYMP-IIT-Mumbai-July-2022.
3. Adarsh Jain, AMIT BUDAR, RAJ BHANUSHALI, Nusrat Parveen, "Taxi Chat bot", IEEE-Chapter-Datta Meghe College, April-2019.
4. Nusrat Parveen, "Voice Based E-mail System for Blind people", IEEE-Chapter-Datta Meghe College, April-2017
5. Nusrat Parveen, "Attendance Marking & Object Identification Application", IEEE-Chapter-Datta Meghe College, April-2017
6. Nusrat Parveen, "Online Examination System for visually challenged", IEEE-Chapter-Datta Meghe College, April-2017
7. S.L.Vaikole,M.M.Phadke,N.Parveen, " Image compression by using kohenon self-organizing network", ICAC-2008.
8. S.L.Vaikole,M.M.Phadke,N.Parveen, " Image compression by using kohenon self organising network", ICAC-2008, Anuradha Engg. College,Chikhli
9. Nusrat Parveen, S. D. Sawarkar, M Rafique "'Flex over Ajax", FOBE 2011

✓ **National Conferences: 04**

1. Nusrat Parveen, Varsha Wahane, "AJAX", National Conference 28,29 Dec. 2007 DMCE, Airoli.
2. Shubhangi Vaikule, Madura Phadke, Nusrat Parveen, "Comparison of CAC for Wireless Mobile Network", National Conference 28,29 Dec. 2007 DMCE, Airoli.
3. 3Varsha Wahane, Nusrat Parveen, "Android Phone Monitoring App", National Conference 28,29 Dec. 2007 DMCE, Airoli.
4. Nusrat Parveen, Dr. S. D. Sawarkar, "Web based ERP for an educational Institute", TACIT-2012, Wardha, Nagpur.

Projects/Achievements:

- ✓ A cash prize of 15000 is received as an outstanding innovator for a research idea presented in Indo-Korea Contest-2019-CHRIST-university Bangalore.
- ✓ Mentored final year students for Indo-Korea contest-2020 which received a cash prize of 45000.
- ✓ Stood as a third runner-up with a cash prize of 20000 for presenting a novel idea of research in Indo-Korea Contest-2021-CHRIST-university Bangalore.
- ✓ Bagged first prize with a cash of 30,000 for presenting a novel idea of research in Indo-Korea Contest-2022-CHRIST-university Bangalore.
- ✓ Received the Registration grant for IEEE-Xplore in IBSSC-2021-Gwalior.
- ✓ Received the Registration grant for IEEE-Xplore in TENSYMP-2022-IIT-MUMBAI.

Publication

A chapter is published in “Disruptive Trends in Computer Aided Design” Taylor & Francis Group, ISBN 9780367493370, Published September 29, 2021 by Chapman and Hall/CRC, 218 Pages 58 B/W Illustrations, titled “Efficient, Accurate and Early Detection of Myocardial Infarction Using Machine Learning” by Nusrat Parveen and Dr. Satish R. Devane.

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