

## Curriculum Vitae

**Name** Ms. Vandana Sudhakar Sardar  
**Official Address** Department of Computer Science and Engineering,  
M S Ramaiah Institute of Technology  
Bangalore, Karnataka, INDIA  
**Designation** Assistant Professor  
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**Residential Address** Planet Millenium, A13/S3, Near Rakshak Society,  
Pimple Saudagar, Pune -411 027,  
Maharashtra, INDIA.  
**Date of Birth** 19<sup>th</sup> May 1979.

### Employment Details:

S. No.	Post held	Employer	Period
1.	Assistant Professor	M S Ramaiah Institute of Technology Bangalore, Karnataka, INDIA	1 <sup>st</sup> Jan 11 till date
2.	Lecturer	M S Ramaiah Institute of Technology Bangalore, Karnataka, INDIA	14 <sup>th</sup> Aug 09 to 31 <sup>st</sup> Dec 10
4.	Lecturer	D. Y. Patil College of Engineering, Akurdi, Pune, Maharashtra, INDIA	4 <sup>th</sup> Dec 2001 till 27 <sup>st</sup> July 09

### Teaching Experience: 20 Years

### Qualifications:

S.No.	Certificate / Degree	Board / University	Year	Class Obtained/ Percentage
1.	M. E. Computer Engg.	Pune University	2008	First Class (62.13%)
2.	B.E. Computer Engg.	Govt. College of Engg. Pune.(COEP)	2000	First Class (61.67%)
3.	H. S. C	Maharashtra Board	1996	Distinction (79.33)
4.	S.. S. C.	Maharashtra Board	1994	Distinction (87.29)

### **Subjects Taught:**

Discrete and Logic Structures, Data Structures, Theory of Computation, Information Retrieval, Object Oriented Programming, Operating Systems, Computer Organization, Information and Network Security, Design and analysis of algorithms, Data Mining and Machine Learning.

### **Work shop Organized:**

1. Coordinated and organized 5 days online FDP on Trends in Data Science from 13th to 17th July 2020.
2. Coordinator for workshop on “Distributed and cognitive Technologies, Business and Security” from 24<sup>th</sup> to 29<sup>th</sup> July 2017.
3. Member of organizing committee for the workshop on “IoT & cyber Security using Watson and Bluemix” from 9<sup>th</sup> to 14<sup>th</sup> Jan 2017.
4. Member of organizing committee for the workshop on “Mobile, Cognitive, Cloud and IoT - The new computing frontiers” from 25<sup>th</sup> to 30<sup>th</sup> July 2016.

### **Faculty Interaction with Outside world:**

1. Industry visit to Microfocus, Bangalore: Feb 2018, Mar 2019 and Mar 2020.
2. Collaboration with Microfocus, Bangalore for Technical sessions for “Operating System” Course (Aug – Dec 2017).
3. Collaboration with HPE, Bangalore for student projects. (Jan- May 2017).
4. Industry visit to HP, Bangalore: May 2017.
5. Collaboration with HPE, Bangalore for Technical sessions for “Operating System” Course. (Aug – Dec 2016).

### **Publication Details:**

#### **(A) International Journals**

1. Abdul Rehman S, M et al. “Application Tool for Blood Deferral Donor Model using Machine Learning Approaches.” International Journal of Advance Research and Innovative Ideas in Education 5 (2019): 177-182.

#### **(B) International Conferences**

1. V. S. Sardar, S. Chaudhari, T. Ashwini, L. M. Sahana, D. Sangeetha and S. S. Padti, "Statistical Forecasting of Vegetation Indices using Integrated Neuro-Fuzzy Inference System with Bio-Inspired Techniques," 2021 International Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT), 2021, pp. 376-381, doi: 10.1109/RTEICT52294.2021.9573712.
2. S. Chaudhari, V. Sardar, D. S. Rahul, M. Chandan, M. S. Shivakale and K. R. Harini, "Performance Analysis of CNN, AlexNet and VGGNet Models for Drought Prediction using Satellite Images," 2021 Asian Conference on Innovation in Technology (ASIANCON), 2021, pp. 1-6, doi:

- 10.1109/ASIANCON51346.2021.9545068.
3. N. Sharma, R. Bhutia, V. Sardar, A. P. George and F. Ahmed, "Novel Hiring Process using Machine Learning and Natural Language Processing," 2021 IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT), 2021, pp. 1-6, doi: 10.1109/CONECCT52877.2021.9622692.
  4. H. Shetty, I. Yasaswi and V. S, "Document Retrieval Through Cover Density Ranking," 2021 IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT), 2021, pp. 1-5, doi: 10.1109/CONECCT52877.2021.9622541.
  5. V. S. Sardar, Y. K. M, S. S. Chaudhari and P. Ghosh, "Convolution Neural Network-based Agriculture Drought Prediction using Satellite Images," 2021 IEEE Mysore Sub Section International Conference (MysuruCon), 2021, pp. 601-607, doi: 10.1109/MysuruCon52639.2021.9641531.
  6. V. S. Sardar, S. Ram, S. Shrisha and S. Sridharan, "An Early Warning System for Agricultural Drought," 2020 IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT), Bangalore, India, 2020, pp. 1-7, doi: 10.1109/CONECCT50063.2020.9198687.
  7. V. S. Sardar, S. Ram, S. H. and S. Sridharan, "Resource Selection in Federated Web Search," 2019 9th International Conference on Cloud Computing, Data Science & Engineering (Confluence), Noida, India, 2019, pp. 654-657, doi: 10.1109/CONFLUENCE.2019.8776610.
  8. Princy Sisodiya and Vandana S Sardar, (2016) "Evaluation of Information Retrieval Systems using Various Measures" Proc. Seventh International Conference on Advances in Computing, Control, and Telecommunication Technologies - ACT 2016, pp 252-258.
  9. Srinidhi, Ajeet Jha, Meeradevi, Vandana Sardar, Manaranjithm," A Scalable Protocol Agnostic Backup Server" Fourth IEEE International Conference on Information Communication & Embedded Systems ICCES-2014, at S A Engineering College, Chennai.
  10. Vandana S Sardar, A K Meeradevi, R. Manaranjithm(2013) " Intrusion Detection and Prevention System in n-tier Web Applications" Proc. International conference on Emerging Computation & Information Technologies, SIT, Tumkur, Karnataka, Elsevier Publications 2013 pp. 433-440.
  11. Sardar V. S. and Sawant H. K. (2007), "Segmentation in Offline Handwriting Recognition Using Libtiff Library" Proc. International Conference on Systemics, Cybernetics and Informatics (ICSCI-2008), Pentagram Research Centre Pvt. Ltd. Hyderabad, Andhra Pradesh, INDIA, pp. 424-427.
  12. Sardar V. S. and Phalke D. A. (2008), "Exploiting Libtiff Library for Offline Handwriting Recognition" Proc. International Conference on Emerging Trends In Technology at Pravaranagar, Maharashtra, INDIA, pp.66.

#### (C) National Conferences

1. Sardar V. S. and Phalke D. A. (2006), "Preprocessing for Image Compression

- and Offline Handwriting Recognition” Proc. National Conference – TsyGeca(2006), Govt. College of Engineering, Aurangabad, Maharashtra, INDIA, pp. 143-146.
2. Sardar V. S. and Phalke D. A. and (2007), “Offline Handwriting Recognition” Proc. National Conference – Technobuzz 2007, Sou. Venutai Chavan Polytechnic, Pune, Maharashtra, INDIA. (CD)
  3. Sardar V. S. and Sawant H. K. (2008), “Offline Handwriting Recognition Using Libtiff Library” Proc. National Conference on Engineering Applications of Mathematics, Maharashtra Academy of Engineering, Alandi, Pune, Maharashtra, INDIA, pp.23-24 .

**Conference/Seminar/ Workshop/FDP attended:**

1. Recent Trends and opportunities for Research in Electronics and Computer Science Engineering from 24/5/2021 to 28/5/2021, Goa College of Engineering, ATAL.
2. Artificial Intelligence, from 22/2/2021 to 26/2/2021, Model Engineering College, ATAL
3. Virtual IEEE Conclave organized by IEEE Bangalore Section on 25th April 2020.
4. National Level ONE-WEEK FDP on "PHP and MySQL" in Association with IIT-BOMBAY from 18th to 23rd May 2020
5. FDP on Edge Computing and Intelligence from 20<sup>th</sup> to 24<sup>th</sup> May 2020
6. Five days online FDP on Trends in Data Science from 13th to 17th July 2020
7. Attended IEEE CONECCT 2020 conference from 2<sup>nd</sup> – 4<sup>th</sup> July 2020
8. Workshop on How to publish a technical paper with IEEE On 9 sept 2019 at IISC, Bangalore
9. Two days workshop on Artificial Intelligence and Machine Learning –Pravega 2019 from 20<sup>th</sup> -21<sup>st</sup> Jan 2019.
10. Four day course on “Social and Information Networks Analysis: Problems, Models and
  - a. Machine Learning Methods”, from 11<sup>th</sup> – 14<sup>th</sup> Dec 2017, at IIT Hyderabad.
11. National Conference on “Making of a Digital India-Renewed Challenges, Opportunities and Effective Deliverables” from 16<sup>th</sup> and 17<sup>th</sup> Nov 2017 ay RIT, Bangalore.
12. Six Day workshop on “Distributed and cognitive Technologies, Business and Security “from 24<sup>th</sup> to 29<sup>th</sup> July 2017, at RIT, Bangalore.
13. One Week workshop on “ IoT & cyber Security using Watson and Bluemix” from 9<sup>th</sup> to 14<sup>th</sup> Jan 2017 at RIT, Bangalore.
14. One week FDP on Internet of Robotic Things at EIE & EEE Dept. 16<sup>th</sup> – 21<sup>st</sup> Jan 2017.
15. One week workshop on “Mobile, Cognitive, Cloud and IoT - The new computing frontiers” from 25<sup>th</sup> to 30<sup>th</sup> July 2016.
16. Hands on workshop on “Technical writing and Publishing” Feb 2016 at BMS College of Engineering, Bangalore.

17. Three days International Conference on Circuits, Controls, Communication and Computing (I4C-2016) from 4<sup>th</sup> to 6<sup>th</sup> Oct 2016 at MSRIT, Bangalore.
18. Five days workshop on “Machine learning and its applications” from 13<sup>th</sup> to 17<sup>th</sup> July 2015 at MSRIT, Bangalore.
19. Two days workshop on “Emerging Technologies in Data Science(Machine learning) under TEQIP from 26<sup>th</sup> to 27<sup>th</sup> Mar 2015 at MSRIT, Bangalore.
20. One week workshop on HPC, CUDA and Parallel Programming using Mathematica 7-12 July 2014.
21. Faculty development programme on “Network Security Vulnerability Assessment and Penetration Testing from 11th to 13th June 2014 at MSRIT, Bangalore.
22. International Conference “ICECIT 2013 “on 22nd & 23rd NOV 2013 at SIT, Tumkur.
23. One week workshop on "Computer Forensics and Cybercrime" from 5th to 10th August 2013 at MSRIT Bangalore.
24. Two days workshop on agile project management 12-13th June 2013 at SAP, Bangalore.
25. Five days SAP training from 22<sup>nd</sup> to 26<sup>th</sup> April 2013 at SIBM, Pune, Maharashtra.
26. One day workshop on SMART Ph. D on 8th Feb 2013 at MSRIT Bangalore.
27. Four days workshop on Virtualization and Cloud Computing from 21-24 Jan, 2013 at MSRIT, Bangalore.
28. One day Academic Summit on 10<sup>th</sup> Feb 2012 at MSRIT, Bangalore organized by EMC, Bangalore, Karnataka. Three days Faculty Development Program on Alan Turing from 18th to 20th Dec 2012 at PESIT, Bangalore.
29. International Conference on Advances in Computing-2012 “ICAdC-2012” from 4th – 6th July 2012 at MSRIT, Bangalore
30. Two days faculty development programme on 29th -30th March 2012 at Cognizant Bangalore.
31. Five days workshop on Storage Area Networks from 16th -20th Jan 2012 at MSRIT, Bangalore organized by EMC, Bangalore, Karnataka
32. Three days workshop on Software Testing from 14<sup>th</sup>-16<sup>th</sup> Feb 2011 at MSRIT, Bangalore.
33. Five days Deep Dive Faculty Enablement Programme from 31st Jan- 4<sup>th</sup> Feb 2011 at Infosys, Mysore.
- 34.** A short term training programme on Grid and Cloud computing from 17<sup>th</sup> - 28<sup>th</sup> Aug 2009 at MSRIT, Bangalore
35. International Conference on Systemics, Cybernetics and Informatics (ICSCI-2008) at Pentagon Research Centre Pvt. Ltd. Hyderabad, Andhra Pradesh, INDIA.
36. National Conference “Techno buzz 2007 at Sou. Venutai Chavan Polytechnic, Pune, Maharashtra, INDIA.
37. National Conference on Engineering Applications of Mathematics -2007 at MAE, Alandi, Pune, Maharashtra, INDIA.

**Administration activities:**

1. Documentation for NBA Criteria 2: 2021-2022
2. Student's achievements coordinator: 2015-2022
3. Member of Department of Advisory Board & Industry Advisory Board: 2018
4. Member of Board of Examinations(BOE): 2015,2016,2017,2018
5. Member of Dept. Scheduling Committee(Time Table): Aug Dec 2015
6. Member of Registration Committee: International Conference 2015
7. Member of Registration Committee Dept. Alumni Meet 2014, 2015
8. Assistance in PG co-ordination from Jan 2012 to Dec 2012.
9. Member of Registration & Finance Committee: International Conference 2012.
10. Member of Discipline Committee, VTU TECHFEST 2012.
11. CIE Test Coordinator from Aug 2009 to May 2011.

**Projects Guided (PhDs/PG/UG): UG: 12, PG: 6****Memberships of professional Societies:**

1. Member, Institute of Electrical and Electronic Engineers (IEEE) Inc., U.S.A. (2008, 2009), 2020, 2021, 2022
2. Life Member, Indian Society for Technical Education (ISTE).
3. Member, Computer Society of India (CSI), (2004-2006)

**Extracurricular activities:**

1. Participation in Quiz for staff 2017, and 2018.
2. Participation in March-past (2016), Participation in March-past( 2017) Third Prize.
3. Participation in Dept. Teachers Antakshari 2015.
4. Participation in March Past 2013, 2<sup>nd</sup> Prize in 2014.
5. Participation in Teachers Antakshari, Udbhav 2015, 3<sup>rd</sup> Prize, 2019.
6. Participation in Dept. Teachers Antakshari, 2<sup>nd</sup> Prize 2014.

**Any Other Information:**

1. Certified by NPTEL for course on "Introduction to Machine Learning", Sept 2017.
2. Certified by NPTEL for course on "Outcome based pedagogic Principles for Effective Teaching" (Elite Certification: Jan - Feb 2017).
3. Lecture recording for "Data Structures "course Aug- Dec 2017 and "Computer Organization" course Jan -May 2017.
4. Certified as mentor for "Intranetwork Security "course Jan - Apr 2017 and "Operating System Course" Aug- Dec 2016.
5. Certified for Online Course "ET601Tx: Education Technology for Engineering Teachers" by IIT-BOMBAY-X (2016).

### **Outreach activities:**

1. Participation in Save Soil Movement 2022.
2. Participation in Cauvery Calling 2020, 2019
3. Participation in TCS- Bangalore Run: May 2018
4. Participation in outreach program- Rally of Rivers : Sept 2017
5. Visits to orphanages

### **Contributions Made to the Parent Institutions:**

#### **(A) Institutional Administrative Duties:**

- Committee member of Centralized Database of the college.
- Report preparation of AICTE Compliance, NBA etc.
- IEEE coordinator since June 2008 and CSI coordinator 2004-06.
- Dead Stock Verification in 2002, 2006 and 2008.
- Organized Alumni meet in Mar 06.
- Organized road Show for Infosys in Mar 2006 and 2008.
- Core team member for Campus Connect Programme by Infosys.
- Coordinator for organizing meeting for Governing Body of College

#### **(B) Departmental Administrative Duties:**

- Internal Test-coordinator from Aug 09- June 11
- Handling of Petty Cash of the department from Jan 2002- July 2009
- Class teacher for various classes since joining.
- Timetable in-charge 2006-07, 2007-08.
- Training & Placement representative for 2005-06.
- Unit test coordinator for the department 05-06.
- Coordination in organizing guest lectures 05-06.
- Exam coordinator for University PR examination from MAY 02 to MAY 04.

#### **(C) Extra Curricular Activities:**

- Active Participation in a technical event TeXplosion 2K3 to 2K7 and staff coordinator for TeXplosion 2K8.
- Sports coordinator for Intercollegiate Competition 2008.
- Sports In-charge for Carom Competition 2004 and for Chess Competition 2005.
- In-charge for Debate Competition in Youth Festival "Chronos 2004".
- In-charge of 'Finance Committee' & member of 'Discipline Committee' in Farewell 2003.

Place: Bangalore