

**Name of Teaching Staff** : **Dr. Vinaya Mahesh Sawant**  
**Designation** : Head and Assistant Professor  
**Department** : Information Technology



**Date of Joining the Institution** : 6.8.2003

**Qualifications with Class / Grade** : 1. Ph.D. (Engineering) from NMIMS University in January 2020  
2. M. Tech. (Computer Engg.) from MPSTME, NMIMS University with 3.96 (CGPA) in June 2010  
3. B. Tech (Information Technology) from S.N.D.T. University with 7.24 (CGPA) in June 2002

**Total Experience in Years** : **Teaching: 16 years**  
1. Assistant Professor, D.J. Sanghvi College of Engineering from 1.1.2006 till date  
2. Lecturer, D.J. Sanghvi College of Engineering from 6.8.2003 to 31.12.2005  
3. Lecturer, S.S. Jhondhale College of Engineering from 22.10.2002 to 30.06.2003

Industry: --

Research: -- 05 years

**Papers Published in Journal** : National: --03

1. Harsh Mehta, Soham Mody, Dhruvil Joshi, Vinaya Sawant, **“Methodology for Heterogeneous Distributed Database System”**, in National Journal - Technofocus, Vol. 2, No. 1, October 2011 (ISSN 2229-662X).
2. Kunal Shah, Naitik N, Raunak T, Vinaya Sawant, **“Web Based Database Design Tool”**, in National Journal - Technofocus, Vol .2, No. 2, March 2012
3. Akul Agarwal, Meghana Bala, Garry D’Souza, Vinaya Sawant, Jay Borade, **“RSS Based Web Based Repository”**, in National Journal - Technofocus, Vol. 2, No. 2, March 2012

1. The research paper entitled “**Optical Character Recognition Using Android**” authored by Bhakti Karani, Parita Sanghavi, Harshita Bhalakiya & Vinaya Sawant was reviewed by the board and published in **International Journal of Computer Networking, Wireless and Mobile Communications (IJCNWMC)**; ISSN(Print):2250-1568; ISSN(Online): 2278–9448; Volume:3; Issue:3; Impact Factor(JCC): 5.2749, August 2013.
2. The research paper entitled “**A Review of Distributed Data Mining using Agents**” authored by Ms. Vinaya Sawant and Dr. Ketan Shah was published in International Journal of Advanced Technology and Engineering Research ISSN No: 2250-3536(ONLINE), Vol 3, Issue 5 in Sept 2013. (UGC approved Serial No. 4745)
3. Ms. Vinaya Sawant and Ms. Ketan Shah, “**A Survey of Distributed Association Rule Mining Algorithms**”, published in International Journal of Emerging Trends in Computing and Information Sciences, Vol. 5, No. 5, May 2014 ISSN 2079-8407.
4. Saurabh Merai, Neha Mendjoge, Kriti Srivastava, Vinaya Sawant, “**Teradata: Future of Databases**”, **THE INTERNATIONAL JOURNAL OF SCIENCE & TECHNOLEDGE**, ISSN 2321 – 919X, Vol 2 Issue 11, October 2014.
5. The research paper entitled “**A Study on Informatica Tool for Extract, Transform and Load processes of Data Warehouse**” authored by Nirali Shah and Vinaya Sawant was reviewed by experts in this research area and accepted by the board of ‘Blue Eyes Intelligence Engineering and Sciences Publication Pvt. Ltd.’ which has published in ‘International Journal of Emerging Science and Engineering (IJESE)’, ISSN: 2319–6378 (Online), Volume-3 Issue-2, Page No.: 1- 5, December 2014.
6. A research paper titled “**Automated Medical Palmistry System based on Image Processing Techniques**” authored by Disha Desai, Mugdha Parekh, Devanshi Shah, Prof. Vinaya Sawant and Prof. Anuja Nagare published in International Journal of Advanced Research in Computer Science and Software Engineering, Volume 5, Issue 1, January 2015 ISSN: 2277 128X.
7. Prachi Autee, Samyak Mehta, Sampada Desai, Vinaya Sawant and Anuja Nagare presented and published a paper on “**A Review of Various Approaches to Face Hallucination**” in Elsevier, Procedia Computer Science, Volume 45 at the International Conference on Advanced Computing Technologies and Applications (ICACTA), 26<sup>th</sup> -27<sup>th</sup> March, 2015.
8. Siddhant Patil, Sayali Karnik and Ms. Vinaya Sawant, “**A Review on Multi-Agent Data Mining Systems**” published in (IJCSIT) International Journal of Computer Science and Information Technologies, Vol. 6 (6), 2015, 4888-4893, October 2015; Impact Factor-3.32.
9. Pratik Doshi, Prem Halani, Vinit Jasoliya, Madhur Jain, Prof. Vinaya Sawant published a paper titled “**Honking with Reduced Effect on Noise Pollution**” at International Journal of Advanced Research in Computer and Communication Engineering, Vol. 4, Issue 10, October 2015, ISSN (Online) 2278-1021, ISSN (Print) 2319 5940 with impact factor 4.582.
10. Jay Shah, Mohit Gandhi, Vinaya Sawant and Kriti Srivastava, “**iDoctor Medical System**”, in International Journal of Advanced Research in Computer Science and Software Engineering, Volume 6, Issue 1, January 2016.
11. Hetashavi Shah, Dimpal Jayani, Elita Dsouza, Vinaya Sawant, Darshana Desai, “**Study of Smart Home Architecture based on Internet of Things**”, published paper in International Journal of

Advanced Research in Computer and Communication Engineering, ISSN: 2278-1021, Vol. 5, Issue 3, March 2016.

12. Ms. Vinaya Sawant and Dr. Ketan Shah, “**Performance Evaluation of Distributed Association Rule Mining Algorithms**”, published online in a Journal titled Procedia Computer Science on 9-APR-2016, pp. 127-134, DOI information: 10.1016/j.procs.2016.03.017
13. Nisha Kapoor, Nidhi Sonpal, Dhvani Mehta, Vinaya Sawant, “**Distributed Association Rule Mining on Batchwise Data**”, published a paper on International Journal of Advanced Research in Computer and Communication Engineering, Vol. 5, Issue 6, June 2016, IF-5.332
14. Sagar Patel, Meghna Burli, Nidhi Shah, Prof. (Mrs.) Vinaya Sawant, “**Fault Tolerance and Concurrency Control in Heterogeneous Distributed Database Systems**”, published a paper on International Journal of Advanced Research in Computer and Communication Engineering, Vol. 5, Issue 8, August 2016, IF-5.332.
15. Hiral Rayani and Ms. Vinaya Sawant, “**Android Joystick**”, published a paper on International Journal of Advanced Research in Computer and Communication Engineering Vol. 5, Issue 11, November 2016, IF-5.332.
16. Ayushi Chudgor and Ms. Vinaya Sawant, “**Implementation of Handwritten Character Recognition using Template Matching**”, International Journal of Current Engineering and Technology, Nov 2016, Vol.6, No.6 (Dec 2016), IF-5.126
17. Ayushi Vora and Prof. (Mrs.) Vinaya Sawant, “**File Processing in Distributed Environment**”, in International Journal of Advanced Research in Computer and Communication Engineering, Impact Factor 5.332, Vol. 5 Issue 11, DOI:10.17148/IJARCCCE.2016.511104.
18. Rajvi Kapadia, Varun Kasbekar and Vinaya Sawant, “**Pattern Mining of Road Traffic in Developing Countries using Spatio-Temporal Data**”, in International Journal of Advanced Research in Computer and Communication Engineering, Vol. 5, Issue 12, December 2016.
19. Vinaya Sawant and Dr. Ketan Shah, “**An incremental mining with ODAM (IODAM)**”, published in International Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICICT), 10.1109/ICICICT1.2017.8342582, IEEE Explore, 23 April 2018.
20. Viraj Mehta presented a paper titled “**A Machine Learning approach to foretell the probability of a crop contracting a disease**” and authored by Viraj Mehta, Chahat Jain, Karan Kanchan and Prof. Vinaya Sawant at 4th International Conference On Computing, Communication, Control And Automation 16th - 18th Aug 2018, Pune.
21. Varun Agrawal presented a paper titled “**Automated Aspect Extraction and Aspect Oriented Sentiment Analysis on Hotel Review Datasets**” and authored by Varun Agrawal, Pratik Aher and Prof. Vinaya Sawant at 4th International Conference On Computing, Communication, Control And Automation 16th - 18th Aug 2018, Pune.

**Papers Presented in Conferences** : National: 04

1. **Vinaya Sawant, Ketan Shah, “Methodology to generate test cases from UML Models”, at National/Asia-pacific regional conference at MPSTME during March 2010**
2. **Presented the paper on “Study of Model Drivers Architecture Metamodels” in the National Conference on Information & Communication Technology, SVKM’s, 5NMIMS University, D.J. Sanghvi College of Engg., SBMP Polytechnic 2008.**
3. **Presented paper on ‘Performance Model Transformation from UML**

to C++' in the National Conference on Information & Communication Technology NCICT-2009 organized by NMIMS University, MPSTME, DJSOE & SBMP, during 6th – 7th March, 2009.

4. Presented paper on “A Methodology to generate Test cases from UML Design Diagrams” in the National / Asia Pacific Regional Conference in ICT & Technology Management in March, 2010.

International: 05

1. Paper published & presented on “A Methodology to generate Test Cases from UML Design Diagrams” in the National / Asia-Pacific Regional Conference Innovations in ICT and Technology Management organized by SVKM’s NMIMS (Deemed-to-be University), MPSTME, D.J. Sanghvi College of Engineering, SBM’s Polytechnic in March 2010.
2. Paper published & presented on “Construction of Test Cases from UML Models” in the International Conference on Technology & Software Management ICTSM organized by SVKM’s NMIMS (Deemed-to-be University), MPSTME and D.J. Sanghvi College of Engineering in Feb 2011.
3. Ms. Vinaya Sawant had presented a paper titled “Performance Evaluation of Distributed Association Rule Mining Algorithms” authored by Vinaya Sawant and Dr. Ketan Shah in International Conference on Communication, Computing and Virtualization in association with Elsevier B.V. Amsterdam, Netherlands on February 26-27, 2016 at Thakur College of Engineering, Mumbai.
4. Ms. Vinaya Sawant had presented a paper titled “Incremental Mining with ODAM(IODAM)” authored by Vinaya Sawant and Dr. Ketan Shah in International Conference on Intelligent Computing, Instrumentation and Control Technologies on July 6-7, 2017 at Vimal Jyoti Engineering College, Kannur, Kerala.
5. Ms. Vinaya Sawant had presented a paper titled “A System that performs Data Distribution and manages Frequent Itemsets Generation of Incremental data in a Distributed Environment” authored by Vinaya Sawant and Dr. Ketan Shah in International Conference on Advances in Computing and Data Sciences (ICACDS) 2018 at the Uttaranchal University, Dehradun on April 20–21, 2018

PhD Guide? Give field & University

: Field:

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University:

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<b>PhDs / Projects Guided</b>	:	PhDs:	--
		Projects at Masters level:	-- 01
<b>Books Published / IPRs / Patents</b>	:		--
<b>Professional Memberships</b>	:	Life Member of ISTE and CSI	
<b>Consultancy Activities</b>	:		--
<b>Awards</b>	:	<b>CSI Award as Longest Continuous SBC for Academic Year 2018-19 Best Teacher Award in September 2011</b>	
<b>Grants fetched</b>	:	NIL	--
<b>Interaction with Professional Institutions</b>	:	<ol style="list-style-type: none"> <li>1. Visiting Lecturer in the subject of DataBase Management Systems at NMIMS during Sep - Dec, 2010.</li> <li>2. Visiting Lecturer in the subject of Data Mining at MPTSME, Mumbai for M.Tech (IT) during Jan – May 2014.</li> </ol>	
<b>R &amp;D and consultancy projects and the amount</b>	:		