

Name	Geetanjali Nilesh Sawant M. Tech. (Computer Engg.)
Designation	Assistant Professor
Department	Computer Science and Engineering (AI & ML)
Date of Joining the Institute	26/12/2023
Education	M. Tech. (Computer Engg.) B. E. (Information Technology)
Branch / Specialization	Computer Engineering
Areas of Interest / Research Interest	Data Warehousing and Mining, Machine Learning, Deep Learning
Email	geetanjali.sawant@famt.ac.in
Personal Homepage link	



Academic Appointments

Name of the University / Institute/ Industry	Duration	Designation
Rajendra Mane College of Engineering and Technology, Devrukh.	From 28/07/2006 to 03/08/2021	Assistant Professor
Finolex Academy of Management and Technology, Ratnagiri	From 03/08/2021 to 31/05/2022	Assistant Professor
Finolex Academy of Management and Technology, Ratnagiri	From 26/12/2023 to till date	Assistant Professor
Total Experience – 16.5 Years		

Patents Granted / Published / Filed - 02

Patent Granted - 05

1. **"A System for the Efficient Processing of Satellite Images with GPU"**, Patent No- 20 2022 100 428, Patent Granted by Federal Republic of Germany (Status: Granted on 31/01/2022)
2. **"A System for Integrating Blockchain with Local Public Service and Method thereof"**, Patent No. is 2022/09603, Patent Granted by South African Republic (Status: Granted on 30/11/2022)
3. **"A Blockchain based Medicine Logistics System"**, Patent Grant No- 20 2023 102 823, Patent Granted by Federal Republic of Germany (Status: Granted on 23/05/2023)
4. **"A System for securely updating biometric feature vector using Age Adaptation Feature Vector on Blockchain"**, Patent Grant No- 20 2023 102 427 (Status: Granted on 22/07/2023)
5. **"A Method and System for Generating and Classifying a Hybrid Feature Vector for Biometric Recognition"**, 2023/06938, Patent Granted by South African Republic (Status: Granted on 27/07/2023)

Papers Published

Papers Published in National / International Journals - 17

International Journals – 16

1. Paper titled **"Age-Adaptive Multimodal Biometric Authentication System with Blockchain-based Re-enrolment"**, published in **Scopus Indexed "International Journal on Recent and Innovation Trends in Computing and Communication"**. Vol. 11 No. 9S ,2023 (ISSN: 2321-8169).
2. Paper titled **"Performance Analysis of Deep Neural Networks for Unimodal and Multimodal Biometric Authentication"**, published in **Scopus Indexed International Journal of Intelligent Systems and Applications in Engineering (IJISAE)** Vol. 11 No. 9S (2023), 12th July 2023. (ISSN: 2147-6799)
3. Paper titled **"Hybrid Approach for Biometric Recognition: Integrating Custom Vector Quantization and CNN-Based Feature Extraction"**, published in **Scopus Indexed International Journal of Intelligent Systems and Applications in Engineering (IJISAE)** Vol. 11 No. 9S (2023), July 2023. (ISSN: 2147-6799)
4. Paper titled **"Transfer Learning on Convolutional Neural Networks for Face Recognition"** selected in **AIP Scopus Indexed Conference- International Conference on Communications, Computing and Data Security-2022** held on 25th -26th February 2022 and published in AIP proceeding.

5. Paper titled **"A Review paper on E-Commerce"** published in the IEEE International Conference on International Journal for Research in Engineering Applications and Management, Volume-4, Issue- Special Issue CTRD2k18, **December 2018 (2454-9150)**
6. Paper titled **"Heart Disease Prediction System"** published in the International Journal for Science and Advance Research in Technology (IJSART)/Changing Technology and Rural Development, Volume-5, Issue-4, **April 2019 (ISSN: 2395-1052)**
7. Paper titled **"Heart Disease Severity Prediction"** published in the IEEE International Conference on International Journal for Science and Advance Research In Technology (IJSART)/Changing Technology and Rural Development, Volume-5, Issue-4, **April 2019 (ISSN: 2395-1052)**
8. Paper titled **"Chat Bot for College"** published in the International Journal for Science and Advance Research in Technology (IJSART)/Changing Technology and Rural Development, Volume-4, Issue-4, **April 2018**
9. Paper titled **"Survey on Online Auction System"** published in the International Organization of Scientific Research, **1 October 2017 (ISSN: 2278-8727)**
10. Paper titled **"Single Sign On"** published in the International Journal of Engineering Science and Computing, Volume-7, Issue-4, **April 2017 (ISSN:2321 3361)**
11. Paper titled **"A Survey on Optimization of User Search Goals by using Feedback Session"** published in the IJSRD - International Journal for Scientific Research & Development, Volume-3, Issue-9, **December 2015 (ISSN: 2321-0613)**
12. Paper titled **"Domain Specific Content based Video Retrieval"** published in the International Journal for Scientific Research & Development, Volume-3, Issue-8, **December 2015 (ISSN: 2321-0613)**
13. Paper titled **"Credit card fraud detection using Hidden Markov Model"** published in the Indian Streams Research Journal, Volume-4, Issue-4, **May 2014 (ISSN: 2230 - 7850)**
14. Paper titled **"Video Retrieval Using Embedded Audio Content"** published in the International Journal on Recent and Innovation Trends in Computing and Communication , Volume-2, Issue-4, **April 2014 (ISSN: 2321-8169)**
15. Paper titled **"Domain Specific Video Data Mining Using Multi-Core Fp-Growth Tree"** published in the International Journal Of Engineering Research & Applications, Volume-2, Issue-2, **4 January 2012 (ISSN: 2248-9622)**
16. Paper titled **"Video Data Mining Event Detection From The Association Perspective Using FP-Growth Tree"** published in International Journal Of Engineering Research & Applications, Volume 1 Issue 4, **11 January 2011 (ISSN : 2248-9622)**

National Conferences – 01

1. Paper presented on **"Permissioned Blockchain based Smart Contract Utilizing Biometric Authentication as a Service: A Future Trend"** dated 18th-19th February 2020 organized by Atharva College of Engineering, Mumbai and published in the IEEE International Conference on Convergence to Digital World Quo Vadis ICCDW, Volume-2, Issue-4, **January 2021 (ISBN:978-1-7281-4636-2)**

Number of Workshops, Seminars, STTPs, FDPs Attended – 27

STTP / FDPs

1. Completed One Week online **Collaborative Capacity Building Programme organized on "Generative Adversarial Neural Network and Adversarial Auto Encoders for Effective IP"** Conducted from 24th June 2024 to 29th June 2024 organized by Thakur College of Engineering & Technology and Thadomal Shahani Engineering College.
2. Completed One Week online **Faculty Development Program (FDP) on "Recent Trends and Future Applications in Natural Language Processing"** Conducted from 29th May 2024, to 8th June 2024 organized by E and ICT academy, NIT Warangal, in association with Vasavi College of Engineering, Hyderabad.
3. Completed One Week online **Faculty Development Program (FDP) on "Exploring the Dimensions of Innovation, Incubation and Emerging Technologies to Embrace Post COVID Changes"** Conducted during 8th June 2020 to 12th June 2020 organized by Finolex Academy of Management and Technology.
4. Completed One week online **Faculty Development Program (FDP) on "Disruptive Technologies of Industry 4.0"** organized by Department of Computer Engineering, Fr. Conceicao Rodrigues College of Engineering, Bandra(W), Mumbai.
5. Completed One Week **online training program on "NBA Accreditation Process"** organized by National Institute of Teachers Training and Research, Chennai during 6th Dec 2021 to 10th Dec.2020.
6. Completed One and half week **NPTEL Faculty Development Program(FDP) on "Deep Learning – Part 1"** Conducted during **July to October 2019.**
7. Completed **as Topper** One week **NPTEL Faculty Development Program** on **"Introduction to Research"** Conducted during **August to October 2019.**
8. Completed One week **Faculty Development Program** on **"Machine Learning using Python"** organized by Rajendra Mane College of Engineering and Technology during 15th April 2019 to 19th April 2019.
9. Completed One week **NPTEL Faculty Development Program on "Database Management system"** conducted during **August to September 2018.**
10. Completed One week **Short Term Training Program(FDP) on "Internet of Things-A Practical Approach"** organized by A.C. Patil College of Engineering 27th November 2017 to 2nd December 2017.
11. Completed AICTE approved One week **Short Term Training Program** on **"Applications of MATLAB in Engineering"** organized by Rajendra Mane College of Engineering and Technology during 29th August 2013 to 2nd September 2013.
12. Completed four days of **Faculty Development Program** on **".NET Technology"** organized by Rajendra Mane College of Engineering and Technology during 8th May 2013 to 11th May 2013.

13. Completed AICTE approved Two Weeks mix mode (online plus offline) **Short Term Training Program** on **"Technical Communication"** organized by Finolex Academy of Management and Technology during 8th November 2011 to 5th December 2011.
14. Completed ISTE Two Weeks **Short Term Training Program** on **"Induction Training Programme"** organized by National Institute of Technical Teachers' Training and Research(NITTTR),Bhopal, Extension centre, Pune during 26th November 2007 to 8th December 2007.

Conferences and Seminars

15. Attended a **webinar** on **"Blockchain in Covid19"** organized by "Thakur College of Engineering and Technology" on 17th June 2020.
16. Attended AICTE Margdarshan Scheme sponsored **webinar** on **"CO-PO Mapping"** by Dr. S. Jaykumar from Shri Manakula Vinayagar Engineering College on 29th May 2020.
17. Attended a **webinar** on **"A New Era of Data Science"** organized by Department of Computer Science and Engineering, RajaRajeswari College of Engineering, Bangalore on 26th May 2020.
18. Attended a **webinar** on **"NAAC: Systematic Data Organization and Presentation"**, organized by IQAC, Vidyalkar Institute of Technology, Mumbai.Bangalore on 16th May 2020.
19. Workshop Attended a webinar on **"51th Yuva Festival Cultural"** organized by Gogate Jogalekar College, Ratnagiri on 11th July 2018.
20. Attended **seminar** on **"Quality and Research in Engineering Education"** organized by Rajendra Mane College of Engineering and Technology on 7th April 2008.

Workshops

21. Attended RUSA sponsored **two days workshop** on **"NEP 2020Sensitization-Train the Trainers"** organized by Finolex Academy of Management and Technology during 6th to 7th March 2024.
22. Attended **workshop** on **"51th Yuva Mahotsav Cultural Program"** organized by Gogate Jogalekar College on 11th July 2018.
23. Completed Two Weeks **ISTE workshop** on **"Database Management System"** offered by IITBombayX and organized by remote center Finolex Academy of Management and Technology during 21st May 2013 to 31st May 2013.
24. Attended two days **workshop** on **"Web Security"** organized by Rajendra Mane College of Engineering and Technology during 07th October 2013 to 8th October 2013.

25. Attended three days **workshop** on **“Web Design with Open Source Technologies”** organized by Rajendra Mane College of Engineering and Technology during 14th November 2011 to 16th November 2011.
26. Attended **workshop** on **“CISCO technologies and ES Council”** organized by Nirmal Datacommunication Pvt. Ltd. , Mumbai on 10th February 2011.
27. Attended two days **workshop** on **“Open Source Software Laboratory”** organized by Rajendra Mane College of Engineering and Technology” on 1st February 2010 and 15th February 2010.

Certification Course / Refresher Courses completed - 02

1. Completed **Udemy** course on **“AWS-DynamoDB-The Complete Guide”**, on 30th March 2023.
2. Completed **Udemy** course on **“AWS-Certified Cloud Practitioner Exam Training”**, on 31st March 2023.

Extension / Outreach Programs/ Social Programs As a Resource Person

1. Worked as a Resource Person and delivered seminar on “Solar Energy” and conducted workshop on **“Solar Lamp Assembly”** to
 - i. Br. Nath Pai Vidyalay and Jr. College Harche , Tal. Lanja, Dist. Ratnagiri on 20th November 2019.
 - ii. Loknete Shamraoji Peje Arts, Commerce, Science Junior College, Shivar Ambere, Dist. Ratnagiri on 20th November 2019.
 - iii. Patavardhan High School on 24th November 2019.
 - iv. Jakadevi HighSchool 21st November 2019.

Professional Membership

1. Indian Society of Technical Education (I.S.T.E) LM50870

Subject Taught

Sr. No.	Name of the Subject	Year/Branch/Semester	Experience
1.	Computer Simulation and Modeling	BE/IT/VII	3
2.	C programming	FE/I	2
3.	C++ programming	FE/II	2

4.	Data Structures	SE/COMP/III	2
5.	Data structures and Files	SE/COMP/III	2
6.	Computer Networks	TE/COMP/V	1
7.	Software Project Management	TE/COMP/V	1
8.	Software Architecture	BE/COMP/VII	1
9.	Multimedia System	TE/COMP/VI	2
10.	Database Management System	SE/CSE/VI	1
11.	Digital Logic Design and Analysis	SE/COMP/III	2
12.	Database Management and Information Retrieval	SE/MECH/IV	1
13.	Digital Logic and Computer Architecture	SE/COMP/III	2
14.	Microprocessor	TE/COMP/V	5
15.	Data Warehousing and Mining	BE/IT/VIII TE/COMP/VI	6
16.	Computer Graphics	SE/CSE/III	1
17.	Operating System	SE/CSE/IV	1
18.	Software Engineering and Project Management	TE/CSE/VI	1
19.	Analysis of Algorithms	SE/CSE/III	1
20.	Computer Programming 2(Java)	FE/II	1