



SHARMILA GAIKWAD

PhD in Computer Engineering
M.E. in Computer Engineering
B.E. in Computer Engineering
Diploma in Computer Engineering

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Designation: Assistant Professor in Computer Engineering Department.

Experience: Educational 17 Years

Areas of Interest: Software Engineering, Web Engineering, Object oriented software Engineering

Publications

Patent Application:

1. Nilesh Rathod, Sharmila Gaikwad, Sunil Wankhade, “ A Hybrid Optimisation Driven Extreme Learning Machine for Improving Classification”, filled and published patent to Australian Government under Innovative category Patent 2021107084.
2. Sharmila Gaikwad, “Intelligent System for Satellite Communication from Mobile Device to public Land Mobile networks using IOT and Method Thereof” Filed and Published at office of the Controller General of Patent, Design & Trade Marks Department for Promotion of Industry and internal trade, Ministry of Commerce & Industry.
3. Sharmila Gaikwad, “Jade based solution for healthcare system”, Submitted to Controller General of Patents, Designs & Trade Marks, Boudhik Sampada Bhavan, Antop Hill, S.M. Road, Mumbai-400037, India
4. Sharmila Gaikwad, Bharat Nair, Mandar Maske, Prathmesh sawant, Sameer Nagpure “Smart Shopping Trolley And Billing System Using NODEMCU and RFID”, Submitted to Controller General of Patents, Designs & Trade Marks, Boudhik Sampada Bhavan, Antop Hill, S.M. Road, Mumbai-400037, India

Journals:

1. Sharmila Gaikwad, Mahek Khanna, Shreyans Kothari, Ashutosh Kudale, "Systematic Literature Survey on Accident Alert & Detection System", published in CEUR workshop proceedings, ISSN 1613:0073, Vol 2889, pp 01-09, 2021 (Scopus Indexed)
2. Sharmila Gaikwad, S. Patel and A. Shetty, "Brain Tumor Detection: An Application Based on Machine Learning," 2021 2nd International Conference for Emerging Technology (INCET), 2021, pp. 1-4, doi: 10.1109/INCET51464.2021.9456347. published in Scopus indexed IEEE Xplore
3. Sharmila Gaikwad, Jignesh Patil, "Analysis of data visualization in two pandemic situations", International Journal of Engineering Applied Sciences and Technology, 2020
4. Sharmila Gaikwad, Akanksha Shetty, Akshaya Satam, Mihir Rathod, Pooja Shah, "Recognition of American Sign Language using Image Processing and Machine Learning", International Journal of Computer Science and Mobile Computing, Vol.8 Issue.3, March- 2019, pg. 352-357. (Citation 1)
5. Vishaka Sonmore, Savinay PATil, Aparna Parab, Sharmila Gaikwad, "Procurement of raw material using NFC", International Journal of Advanced Research Trends in Engineering and Technology, ISSN 2394-3777, vol 5 special issue 3, Jan 2018.
6. Rajesh Thasal, Subhada yelkar, Amit Tare, Sharmila Gaikwad, "Information Retrieval and DEduplication for Tourism Recommender System", International Research Journal of Engineering and Technology(IRJET), e-ISSN: 2395-0056, Page 5-9, Apr 2018.
7. Supriya More, Sharmila Gaikwad, " Secure Cloud using Secure Data De-duplication Scheme", International Research Journal of Engineering and Technology(IRJET), e- ISSN: 2395-0056, Page 793-799, May 2018.
8. Supriya More, Sharmila Gaikwad, "Detection of Malicious Behavior of Agent Using Attack Detection strategies under Multiagent System", International Journal of Modern Engineering Research, IJMER vol8, Issue 5, Ver 1 , May 2018. (Citation 1)
9. Supriya More, Sharmila Gaikwad, "Application of Markov Process under Multi-agent System", International Research Journal of Engineering and Technology (IRJET), e- ISSN: 2395-0056, Page 4650-4652, Apr 2018.
10. Hemin Joshi, Vidhi Agrwal, Sharmila Gaikwad, "Proposal of Chat Based Automated System for Online Shopping" , American Journal of Neural Networks and Applications, 2017 (**Citation i10**)
11. Shabnam Noorani, Sharmila Gaikwad, " Crowd Sourced Work Stealing in Mobile Cloud Computing" in an international Journal for research in Engineering Application and Management, volume 02, Issue 07, Oct 2016.
12. Gaurav Dudeja, Amna Awana, Manish Jathan, Anuj Mehta, Sharmila Gaikwad, "Traffic Density Management using Round Robin Scheduling with Varied Time Quantum and Traffic Analysis" in an international Journal of Recent and Innovation Trends in Computing and Communication, volume 4, Issue 10, October 2016, PP 129-133.
13. Maya gharat, Sharmila Gaikwad, "Enhancing Speed of Map Reduce Classification Algorithms using Pre-Processing Technique", in International Journal of Advanced Research in Computer Engineering and Technology, Volume 5, Issue 10, October 2016, PP 2482-2487

14. Shabnam Nurani, Sharmila Gaikwad, "Review of Mobile Crowd Computing", in IJIRCCE, Volume 4, Issue 4, April 2016, Impact factor 5.618 ISSN(online 2320-9801, ISSN(print) 2320-9798. PP-3774-3777.
15. Akshay Vishawanath, Akshay Vishwanath, Lalit Bhosle, Rishab Bhandari, Sharmila Gaikwad, "Internet Controlled Vehicle", International Journal of Recent and Innovation Trends in Computing and Communication, Published in IJRITCC Journal, Volume 4, Issue 4, April 2016, ISSN: 2321-8169 Scientific Journal Impact Factor: 5.837
16. Kiran Hingu, Sharmila Gaikwad, "Survey on Different Cloud Platform", in IJIRCCE, Volume 4, Issue 3, March 2016, Impact factor 5.618 ISSN(online 2320-9801, ISSN(print) 2320-9798. PP-3774-3777.
17. Maya Gharat, Sharmila Gaikwad, Saurabh Suman, "Review on Enhancing the Speed of MapReduce Classification Algorithms using pre-processing Technique", International Journal of Computer Science Trends and Technology (IJCST) – Volume 4 Issue 2 , Mar - Apr 2016
18. Sharmila Gaikwad, Pradyna Gaikwad "Implementation Approach for Traffic Indicator System", IJIRAE, Paper ID FBCS10103, ISSN: 2349-2163 Volume 2 Issue 02, Feb 2015, pp 243- 246.
19. Sharmila Gaikwad, Anushka Anchan, Pradyna Gaikwad, "Traffic Indicator System For Hospitals", GRT, Impact factor 3.4052(UIF), ISSN 2231-5063.
20. Sharmila Gaikwad, Gulabchand Gupta, "Agent Oriented Testing on Jade based Hospital Repository Software", GRT, Impact factor 3.4052(UIF), ISSN 2231-5063.
21. Sharmila Gaikwad, "A Jade Based Healthcare system", IJCS Journals, Volume 3, Issue 1, No 1, 2015 Reference ID: IJCS-071, PP 407-412.
22. Shabnam Nurani, Sharmila Gaikwad, "Intrusion Detection System: Security Monitoring System", Published in IJERA Journal, Vol 5, Issue 10(part 3), October 2015.ISSN :2248- 9622, PP 1-5.
23. Kunal chawada, Sharmila Gaikwad, "Testing of Mobile Agent based Application", GRT, Impact factor 3.4052(UIF), ISSN 2231-5063.
24. Ajikya Nalawade, Dharmik Kamdar, Pratik Angolkar, Sharmila Gaikwad, "Integrated Instant Messaging System", IJLTET, Vol 3 Issue 3, January 2014. (Citation H-index)
25. Salman Khan, Sharmila Gaikwad, "Analysis of Behavior of parallel web browsing: a case study", IJLTET, Vol 3 Issue 3, January 2014.
26. Dwij Mistry, Shradha Naik, Yogesh Bhanushali, Sharmila Gaikwad, "Object Oriented Analysis of Centralized C# Compiler Using Cloud Computing with UML" IJLTET ,Vol 3 Issue 3 Paper no 44, January 2014.
27. Sharmila Gaikwad, Gulabchand Gupta, "Design of Jade based Traffic Indicator System for Hospitals", IFRSA Board IFRSA International Journal of Data Warehousing & Mining on, 15 June 2014, PP 134-137.
28. Sharmila Gaikwad, "Mobile Agents in Heterogeneous Database Environment for Emergency Healthcare System", at ITNG 2008 5th International Conference on Information Technology New Generations April 7-9, 2008, Las Vegas, Nevada, USA. Published in Scopus Indexed IEEE Computer society digital library, ISBN:978-0-7695-3099-4, PP.1220- 1221 (**Citation1**)

Conferences:

1. Sharmila Gaikwad, "Mobile Agents in Heterogeneous Database Environment for Emergency Healthcare System", at ITNG 2008 5th International Conference on Information Technology-New Generations April 7-9, 2008, Las Vegas, Nevada, USA. Published in IEEE Computer society, ISBN:978-0-7695-3099-4, PP.1220-1221
2. Sharmila Gaikwad, Pradnya Dhafalapurkar, "Role of JADE in an Emergency Healthcare system", International Conference and Colloquium SPIT-IEEE Colloquium 2007, February 4-5, 2008.
3. Sharmila Gaikwad, Ram Reddy, "Supply chain management using Object Oriented Analysis and Design", 3rd International Conference on Advanced Computing & Communication Technologies November 08-09, 2008.
4. Sharmila Gaikwad, Nilesh Rathod, "Mobile Agent in a Heterogeneous Environment" 3rd International Conference on Advanced Computing & Communication Technologies, November 08-09, 2008.
5. Sharmila Gaikwad, Nilesh Rathod, "Cloud Computing For Rural Banking", at iFEEL, International Doctoral Thesis Conference, 5-6 February, 2011.
6. Sharmila Gaikwad, "Object oriented Analysis of a JADE based catastrophe healthcare system" at JJTU, Rajasthan, 26-27 Dec 2013.
7. Salman Khan, Ayush Khemka, Sharmila Gaikwad "Parallel web browser" at International Conference On Advanced Computing & Communication Technologies, November 25-26, 2013, Karad, Maharashtra.
8. Dwij Mistry, Shradha Naik, Yogesh Bhanushali, Sharmila Gaikwad "Centralized Compiler using cloud computing" at International Conference panipat, haryana on october16-18, 2013.
9. Sharmila Gaikwad, Gulabchand Gupta "An Object Oriented Analysis of a mobile agent based Catastrophe Healthcare System using UML", M.H. Saboo Siddik College of Engg. 2014
10. Sharmila Gaikwad, Gulabchand Gupta, "Mobile agent in a heterogeneous hospital environment", JJT University, 11-12, May 2014.
11. Sharmila Gaikwad, "A JADE based Emergency Heterogeneous healthcare system", Information Technologies (InfoTech-2014) 18-19 September 2014, Bulgaria.
12. Piyush Choudhary, Karan Gaikwad, Vinay Jadhav, Sharmila Gaikwad, "Cloud Based Mobile Application for Tracking User Activities", at International Conference on Emerging Trends in Engineering, Science and Technology IFERP, 12-13, March 2016, Mumbai. ISBN:9788192958045, PP 37-40
13. Supriya More, Sharmila Gaikwad, "A Study of Consensus Problem in Multiagent System", in ICEMTE-2017 at Shree L.R.Tiwari college of Engg, ISSN 2321-819099-104 Volume 5 Issue 3
14. Maya Gharat, Sharmila Gaikwad, "Result Analysis of A* and Max Algorithms", in ICEMTE-2017 at Shree L.R.Tiwari college of Engg, ISSN 2321-819099-104 Volume 5 Issue 3
15. Christ D'soza, Sharmila Gaikwad, "A study of gait analysis for human identification", in ICEMTE-2017 at Shree L.R.Tiwari college of Engg, ISSN 2321-819099-104 Volume 5 Issue 3

National Conferences:

1. **Sharmila Gaikwad**, Pradnya Dhafalapurkar, “Heterogeneous Database System Using Mobile Agent” National Conference on Recent Trends in Information Technology for Rural Development at Shri Sant Gajanan Maharaj College of Engineering, Shegaon, Dist: Buldhana (M.S.) India on December 9th, 10th 2007.
2. **Sharmila Gaikwad**, Pradnya Dhafalapurkar, “Heterogenous Database for Healthcare system” National Conference in Information technology at Datta Meghe College of Engg. On 28th December 2007.

Books Authored

Published a Book On “Software Engineering” for final year Computer Engineering with Nandu Publication.

Invited Talks

1. Delivered a session on ”Blending of Technology Overview of ML and IoT Applications”, at STTP on Machine Learning with IoT, Department of Information Technology Shri Bhagubai Mafatlal Polytechnic, 14 March 2022
2. Delivered a webinar as a resource person on “Project Management Tools”, at B.K. Birla College, Kalyan 22 Sep 2021
3. Delivered seminar as a Resource Person on “Object Oriented Analysis and Design”(One Session) in the one week short term training program on “Project Management” approved by AICTE-ISTE during 8th May to 12th May 2006. At Mct’s RGIT, Mumbai.
4. Delivered an Expert Talk on “Project management and software Engineering ” at S.N.D.T. college, Charchgate.
5. Delivered seminar as a Resource Person on “JADE-Middleware” (One Session) in the one week short term training program on “Middle ware Technology” approved by AICTE-ISTE at Mct’s RGIT, Mumbai, Jan 2010.
6. Delivered a Special Talk on ”E-Commerce” at St. John College of Engineering, Palghar, May 2013
7. Delivered a Video Lecture on “Software Engineering” for Atharv College of Engineering, Mumbai, Jan 2015.
8. Delivered an Expert Talk on “Object Oriented Analysis and Design Using UML Rational Rose”, at Theems College of Engineering, Bhoisar, Sep 2015.
9. Invited as a Session Chair at National Conference NCTAA National Conference 28 and 29 January 2016 at Atharv College of Engineering, Malad.
10. Delivered an Expert Talk on “Project Management” at Shree L. R. Tiwari College of Engg, Miraroad, 16 July 2016.

Participated as Session Chair:

1. Invited as a Judge For “Project Competition Innovex 2019” at Don Bosco College , of Engineering, Kurla, 04 & 05 April 2019, Mondini Hall & Common Pathway, Don Bosco Institute of Technology, Kurla west, Mumbai
2. Invited as a session chair at International Multidisciplinary Conference on “Use of Digital Technology in Business, financial services and Education System” at SevaSadan

3. College of Art, Science and Commerce, Ulhasnagar. 08 Feb 2022
4. Invited as a Session Chair at 2021 2nd International Conference for Emerging Technology (INCET), 2021, pp. 1-4, doi: 10.1109/INCET51464.2021.9456347. published in Scopus indexed IEEE Xplore
5. Invited as a Session Chair at National Conference NCTAA National Conference 28 and 29 January 2016 at Atharv College of Engineering, Malad.
3. Invited as a Session Chair at One day ” at International Multidisciplinary Conference on “Use of Digital Technology in Business, financial services and Education System” at SevaSadan College of Art, Science and Commerce, Ulhasnagar. 10 Feb 2018.
6. Invited as a Guest of Honor and Session Chair at One day at International Multidisciplinary Conference on “Use of Digital Technology in Business, financial services and Education System” at Seva Sadan College of Art, Science and Commerce, Ulhasnagar. 09 Feb 2019.
4. Invited as a Judge For “Project Competition Innovex 2019” at Don Bosco College , of Engineering, Kurla, 04 & 05 April 2019, Mondini Hall & Common Pathway, Don Bosco Institute of Technology, Kurla west, Mumbai
5. Invited as a Session Chair at One day at “ International Multidisciplinary Conference on “Use of Digital Technology in Business, financial services and Education System” at SevaSadan College of Art, Science and Commerce, Ulhasnagar. 08 Feb 2020

Project Supervisor

PG level:

1. Strategic Attacks and Blocking Behaviour of Malicious Agent under Multiagent System.
2. Crowd Sourced Work Stealing in Mobile Cloud Computing Enhancing Speed of Map Reduce Classification Algorithms using Pre-Processing Technique.

UG level:

1. Centralized Compiler using cloud computing
2. Parallel web browser
3. Integrated Instant Messaging System.

Professional Bodies Association:

1. Life Member ISTE (LM 47692)
2. Life Member IEAE
3. Working as a one of the **Board Member** of International Journal of Engineering Trends and Technology E-ISSN 2231-5281, P-ISSN 2349-0918, Impact factor 1.795.
4. **Editorial Board Member** of International Journal of Science Management And Engineering Research ISSN: 2455-6203 (ONLINE).
5. **Editorial in chief** of International Journal of Science Trends and Technology, ISSN:2347-8578
6. Reviewer for Institute for Exploring Advances in Science & Engineering Journals

Awards

- **University Ranker in M.E. Computer Engineering, Pune University**
- **Best Paper Award at International Conference on Topical Transcendsin Science, Technology**
- **and Management For paper” Smart Assistant for Doctors” , 17-18 August 2018.**

- - **Student Project of the year 2016-17 awarded under IEAE student project programme 2017 (SPP) and it is indexed in IEAE Digital Library of Academic Project (DLAP) under the**
 - **guidance of Dr. Sharmila Gaikwad.**
 - **Received Research Excellence award from IEAE Institute for Exploring Advances in Science & Engineering, Karnataka in the year 2017**
 - **NPTEL Course “Cloud Computing” successfully completed, Feb-Mar 2018.**
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