

## CURRICULUM VITAE

**Dr. SMITA LALIT KASAR**

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### **PERSONAL INFORMATION**

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Marital status: Married

DOB: 12<sup>th</sup> February 1979

Address : 06, Shripad, Silver Oak, Near Atharva Royal, Beed by pass road, Aurangabad, Maharashtra.

### **EDUCATIONAL QUALIFICATION**

<b>Qualification</b>	<b>Institution</b>	<b>University/ Board</b>	<b>Month/ Year of Passing</b>	<b>Grade</b>
<b>PhD</b> (under guidance of Dr. M. S. Joshi)	Government Engineering College, Aurangabad.	Dr. BAMU	Dec 2016	Awarded
<b>ME (CSE)</b>	Government Engineering College, Aurangabad.	Dr. BAMU	May 2010	Distinction
<b>BE (Computer Engg.)</b>	Datta Meghe College of Engg., Airoli.	Mumbai	June 2000	First
<b>Diploma (Computer Technology)</b>	Institute of Technology	Board of Technical Education	April 1997	Distinction
<b>S.S.C</b>	Gurunanak High School, Ulhasnagar, Dist.Thane	Maharashtra	March 1994	Distinction

### **M.E (CSE)**

<b>Title</b>	Optimization of nonlinear programming problems using non-traditional method: Genetic Algorithms
<b>College</b>	Government Engineering College, Aurangabad, MS

## Ph. D (CSE)

<b>Title</b>	Hybrid Model for the Detection of Heart Disease from Electrocardiogram Signal
<b>Guide</b>	Dr. M. S. Joshi
<b>University</b>	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
<b>Completed</b>	December 2016

## PROFESSIONAL EXPERIENCE

Aug 2018- Present	Associate Professor and Head, Dept. of Computer Science and Engineering, G.S.M's MIT, Aurangabad, Maharashtra.
Nov 2017- Aug 2018	Associate Professor, Dept. of Computer Science and Engineering, G.S.M's MIT, Aurangabad, Maharashtra.
Feb 2002 - Nov 2017	Assistant Professor, Dept. of Computer Science and Engineering, MGM's JNEC, Aurangabad, Maharashtra.
July 2001 - Jan 2002	Lecturer, M.Sc. , Dept of Computer Science & Information Technology, Deogiri College, Aurangabad, Maharashtra.

## PROFESSIONAL SKILLS/SPECIALITIES

- Area of interest – Machine Learning, Security
- Programming Languages – C, C++, VB. Net, ASP .Net, Matlab, Python.
- Scripting Languages – PHP, JavaScript, ASP, JSP
- Communication Skills
- Teamwork
- Leadership

## ACHIEVEMENTS/OTHER ACTIVITIES

- Delivered a session on “Blockchain & its Applications” in five days STTP on “Cyber Security and Blockchain”, G. H. Rasoni Institute of Business Management, Jalgaon, 25th October to 29th October 2021
- Presently working on a project based on Blockchain in University of Limerick, Ireland.

- Reviewer for International Conference on Recent Trends in Engineering and Technology-2021 (VISHWACON 2021), VIIT, Pune, 27-28 Nov 2021
- Judge and Mentor for Evathon 2021, Hackathon, organized by University of Limerick, Ireland, 27th to 29th August 2021
- Coordinator for AICTE Training and Learning (ATAL) sponsored FDP on Cyber Security and Cyber Forensics, 5-9 July 2021.
- Coordinator for Pre-PhD Coursework for CS &IT, Dr. Babasaheb Ambedkar Marathwada University
- Delivered a session on “Blockchain & its Applications” in Pre-PhD Coursework for CS &IT, Dr. Babasaheb Ambedkar Marathwada University, 15<sup>th</sup> July 2021
- Reviewer for International Conference on Recent Trends in Engineering and Technology-2020 (VISHWACON 2020), VIIT, Pune, Virtual mode, 28 Nov 2020
- Session Chair and Reviewer for IEEE International Conference on Smart Innovations in Design, Engineering, Management, Planning and computing-2020 (ICSIDEMPC) , Aurangabad, 30-31 Oct 2020
- Represented MIT Red Hat Academy in Global RHA Partner Presentations at North America Instructor Conference, September 8-10, 2020.
- Patent (202021008540) published for ‘Robotic Fish for Underwater Surveillance’ in March 2020, <http://ipindiaservices.gov.in/PatentSearch/PatentSearch//ViewApplicationStatus>
- Copyright for Biomedical Waste Management Audit Tool (software), Registration: SW-12097/2019
- Jury member for Essay Competition organized by The Institution of Engineers (India), Aurangabad Local Centre on 52<sup>nd</sup> Engineers Day, 15<sup>th</sup> Sept 2019.
- Delivered Lecture “Effective Use of Computer facilities and IT resources” for first year Diploma, 6<sup>th</sup> August 2019, MIT Polytechnic, Aurangabad.
- Delivered talk on “Effective Presentation” in one-week refresher course on Use of ICT for Effective Teaching Learning, 8-12 Jan 2019.
- Regional Technical Coordinator, Virtual Labs in association with IITB from 2017 to 2019
- Institute Coordinator, Outreach Programme, Indian Institute of Remote Sensing (ISRO), Dehradun since August 2018.
- Completed project for KEM Hospital Mumbai titled “Hepatitis B vaccination reminder software” in September 2018.
- Session Chair for International Conference on Digital Signal and Image Processing, MIT, Aurangabad, 2017

- Session chair for CPGCON-2015 Fourth Post Graduate Conference of Computer Engineering, MET's Institute of Engineering, Nasik, 2015.
- Approval for UGC Minor Research Project during XII Plan with total allocation amount Rs. 150000/-.
- Syllabus designed for subjects TOC (TE CSE) and CSSL (BE CSE), Dr. BAMU
- Coach for students' team representing College in International Programming Contest ACM ICPC held at IIT Kanpur (2010, 2011, 2013 & 2014)
- Delivered Guest lecture on "Computer Networks" for BE ECT, MIT(E), Aurangabad, 2013
- Delivered guest lecture on "Effective Teaching", Deogiri College, Aurangabad, 2010

### WORKSHOPS ATTENDED

Introduction to Data Science, A course on cognitiveclass.ai, Powered by IBM Developer Skills Network
AI for All, A course by Intel and Digital India Initiative.
Build Your Own Chatbots, A course on cognitiveclass.ai, Powered by IBM Developer Skills Network
AICTE Teaching and Learning (ATAL) sponsored Faculty Development Program (FDP) on "Cyber Security and Cyber Forensics", 5-9 July 2021
STTP on Data Analytics with Deloitte Touche LLP, Mumbai 16 -21 August 2020
Faculty Enablement Program on "Python Programming through INFYTQ Platform", organized by Infosys Limited, 22 <sup>nd</sup> June to 29 <sup>th</sup> June 2020
One-week online workshop on "Next Generation Software Tools & Trends for Industrial Solutions: Current Practices NGST-2020", 13-17 June 2020, organized by Government College of Engineering, Aurangabad in twinning with Ujjain College of Engineering, Ujjain sponsored by TEQIP-III
One-week online Faculty Development Program on "Outcome Based Education: A Step Towards Excellence", 11-15 May 2020, organized under Margdarshan Scheme of AICTE by Government College of Engineering, Karad
NPTEL online certification on "NBA Accreditation and Teaching - Learning in Engineering (NATE)", Jan-April 2020 (12-week course)
Attended python workshop 22 June 2019, organized by Teaching learning centre (ICT), IIT Bombay
NPTEL, TALE-1, 25 Feb to 22 March 2019 NPTEL, TALE-2, 29 July 2019 to 20 Sept 2019
One day workshop on "New Education Policy: Role of DBATU" organized by Dr. BATU, Lonere at Marathwada Institute of Technology, Aurangabad, June 23, 2019.
One-week MHRD sponsored FDP on "Artificial Intelligence and Machine Learning" under the scheme Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, VJTI, Mumbai, 24-29 Dec 2018.

Completed online course “Fundamentals of Deep Learning for multiple data types”, Nvidia Deep Learning Institute, Dec 2018
STTP on “Remote Sensing and Digital Image Analysis”, off campus outreach programme, Indian Institute of Remote Sensing (ISRO), Dehradun, September 4 – 14 , 2018.
STTP on “IOT and Python” organized by CSE Dept, MIT (E), Aurangabad, 25-30 June 2018.
Completed online course on “Cryptography” conducted by Stanford university, 26 November- 26 December 2017.
Workshop on Virtual Lab Development”, PVGCOE, Pune, 16-18 June 2017
STTP on “Big Data Analytics”, organized by CSE Dept, JNEC, Aurangabad, 2017
STTP on “Principles of Research Methods”, organized by CSE Dept, JNEC, Aurangabad 2015
STTP on “Statistical Techniques for Data Analysis in Research”, 2014
STTP on “Network Security”, organized by CSE Dept., GEC, Aurangabad, 2013
STTP on “Soft Computing Tools and its Applications in Engineering”, GEC, Aurangabad, 2011
STTP on “Engineering Optimization”, GEC, Aurangabad, 2010

### **ORGANISING WORKSHOP/CONFERENCES**

Organised AICTE Teaching and Learning (ATAL) sponsored Faculty Development Program (FDP) on “Cyber Security and Cyber Forensics”, 5-9 July 2021
Organised STTP on Data Analytics with Deloitte Touche LLP, Mumbai 16 -21 August 2020
Co-convener, International Web Conference on Impact of COVID19 on Library Resource sharing, 12-13 June 2020
Organised National Level online Project Competition “TECH-PRO” in association with IE(I) Aurangabad, Sponsored by Red Hat and Findability Sciences, Aurangabad
Member, Organising team, International Web Conference on Impact on Education System, 30 May 2020.
Organised one-week STTP on Soft Skills 19-24 August 2019 in association with employability enhancement and youth livelihood program, Mahindra Pride classroom and Naandi foundation.
Organising Secretary for one-week STTP on “Machine Learning and Deep Learning Techniques”, 22-27 July 2019
Convener for six days STTP on Virtual Lab Development & Certification Program, 6-11 Feb 2019 in coordination with IITB.
Organised one-week refresher course on “Use of ICT for Effective Teaching Learning”, 8-12 Jan 2019.
Organised two days’ workshop on “MongoDB”, 8-9 Sept 2018.
Organising committee member, IEEE sponsored International Conference on Intelligent Systems and Information Management (ICISIM), Oct 2017
Organising committee member, International Conference on Manufacturing and Industrial Engineering (ICMIE), Sept 2017

Organising committee member, Workshop on “Principles of Research Methods”, Dec 2015

Editorial committee, International Conference CSIP, 2006

## PAPER/ PUBLICATIONS

1. Mayuresh Khemnar, Ishwar Jaitmal, Smita Kasar, Atul Mundaware, “Land Digitization using blockchain: A secure approach”, International conference VISHWACON 2021 Recent Trends in Engineering and Technology, VIIT, Pune, 27-28 Nov 2021
2. Sushama Deshmukh, Smita Kasar, "Significance of Software Engineering phases in the development of a software application: Case Study", Book Chapter, “Design of User Interfaces with a Data Science Approach”, IGI Global, <https://www.igi-global.com/book/designing-user-interfaces-data-science/275840>
3. Vedant Karmalkar, Kanchan Bhalerao, Gaurav Kaje, Asra Anjum, Smita Kasar, “Twego Trending: Data Analytics Based Search Engine Using Elasticsearch”, Turkish Journal of Computer and Mathematics Education, Vol.12 No.1S (2021), pp:246-251
4. Smita Kasar, Meghana Kshirsagar, “Open Challenges in Smart Cities: Privacy and Security”, Book chapter published in book “Security and Privacy Applications for Smart City Development”, in the Springer series: "Studies in Systems, Decision and Control", (SSDC), <https://www.springerprofessional.de/en/open-challenges-in-smart-cities-privacy-and-security/18439350>, October 2020
5. Smita Kasar, Vivek Kshirsagar, Sagar Bokan, Ninad Rathod, “Smart Physical Intruder Detection System for Highly Sensitive Area”, *Smartcom 2019, Bangkok, Thailand, 24-25* <https://link.springer.com/book/10.1007/978-981-15-0077-0>, Jan 2019
6. Priyanka Patil, Dipa Dharmadhikari, Smita Kasar, “Scheduling of Scientific Workflows using Genetic Algorithm in Cloud Computing”, *presented in International Conference on Smart Computer Applications and Innovations (ICSCAI 2018), 21st - 22nd December, 2018*
7. Ranjana Waman Gore, Smita Kasar and Abhilasha Mishra, “Mineral Mapping and Lithological Discrimination using Remote Sensing in Indian Region: a Review”, *IEEE International conference on Innovations in Engineering, Technology and Sciences (ICIETS 2018), NIEIT, Mysore, Sept 20-21, 2018*
8. Mayuri Likhar, Smita Kasar, “Review on Aspect Based Sentiment Analysis Using Sentence Minimization”, *International Journal of Computer Sciences and Engineering, Volume-5, Issue-10, Page no. 338-341, https://www.ijcseonline.org/full\_paper\_view.php?paper\_id=1525*, Oct-2017.
9. Mayuri Likhar, Smita Kasar, “Sentiment Analysis using Sentence Minimization with Natural Language Generation (NLG)”, *IEEE& CSI Sponsored First International Conference on Intelligent Systems and Information Management (ICISIM 2017), Aurangabad, Oct 5-6, 2017 DOI: 10.1109/ICISIM.2017.8122163, https://ieeexplore.ieee.org/document/8122163*
10. Minal Vanarse, Smita Kasar, “Multilevel Association Rule Mining for Large Datasets: A Review”, *International Journal of Advanced Research in Computer Science, Volume 8, No. 8, September-October 2017, pp:583-586, DOI:http://dx.doi.org/10.26483/ijarcs.v8i8.4793*
11. Minal Vanarse, Smita Kasar, “Comparative Analysis for Mining Multilevel Association Rules in Large Datasets”, Springer & CSI sponsored Second International Conference on

12. Smita Kasar, M.S.Joshi, Abhilasha Mishra, SB Mahajan, P Sanjeevikumar "Performance Enhancement for Detection of Myocardial Infarction from Multi-Lead ECG", *Artificial Intelligence and Evolutionary Computations in Engineering Systems*, Springer, 697-705. DOI:10.1007/978-981-10-7868-2\_66, 2018, <https://www.springerprofessional.de/en/performance-enhancement-for-detection-of-myocardial-infarction-f/15547342>
13. Smita Kasar, M.S.Joshi, "Improved Model for the detection of Myocardial Infarction from Multilead ECG using QRS Point Score as an Additional Feature", *Journal of Theoretical and Applied Information Technology(Scopus, DBLP Indexed)*, ISSN: 1992-8645, Vol.85. No.2, March 2016, pp 183-191
14. Smita Kasar, M.S.Joshi , "Analysis of Multi-Lead ECG Signals using Decision Tree Algorithms", *International Journal of Computer Applicatios* ISSN: 0975 - 8887 , Vol. 134, No 16, January 2016,pp 27-30
15. Archana Salunke, Smita Kasar, "Personalized Recommendation System for Medical Assistance using Hybrid Filtering", *International Journal of Computer Applications* 128(9):6-10, October 2015.
16. Smita Kasar, M.S.Joshi, "Identification of Myocardial Infarction from Multi-lead ECG signal", *International Journal of Engineering Research and Applications* ISSN: 2248-9622, Vol. 5, Issue 10, October 2015, pp.28-32
17. Deshmukh Priyanka, Smita Kasar, "Security Improvisation in Steganography using AES 128/192/256" , *International Journal of Engineering Research & Technology* , Vol. 3 - Issue 11 (November - 2014)
18. Smita Kasar, M.S.Joshi, "Performance of digital filters for noise & signal removal from ECG signals in time domain", *International Journal of Innovative Research in Electrical, Electronics, Instrumentation & Control Engineering (IJIREEICE)*, vol 2 issue 4, April 2014.
19. Smita Kasar, M.S.Joshi, "ECG Signal Processing: A Survey", *IJCA Proceedings on International Conference in Computational Intelligence (ICCI 2012)*, Sandip Institute of Technology and Research, Nasik, Maharashtra.
20. Abhilasha Mishra, GB Janvale, Smita Kasar, S Verma, A Janardan, "Levenberg-Marquardt & Conjugate Gradient Neuro-modeling of Simulated Miniature Rectangular Microstrip Antenna", *Advanced Computational Techniques in Electromagnetics (Journal, Published from Germany)*,ISSN: 2194-0266,
21. Abhilasha Mishra, V Bhagile, Smita Kasar, PM Patil, "Effect of Normalized Scale on Design of Rectangular Microstrip Antenna by using FFBP", *International Journal of Computer Science and Engineering*, Vol. 02, No. 03, 2010, 626-629
22. Smita Kasar, Abbhilasha Mishra, P.S.Revankar, "Quadratic Programming Problems using Genetic Algorithms", *International Journal of Computer Science and Management Systems-ISSN: 0975-5349*, Vol. 2 No. 1 (Jan-June 2010), pp 17-20.
23. P.S.Revankar, Smita Kasar, Abbhilasha Mishra, "Optimization of nonlinear programming problems using non-traditional method: genetic algorithms" , *International Conference*

and Workshop on Emerging Trends in Technology, ICWET'10, Thakur College of Engg.,  
Mumbai ,February 2010 <http://dl.acm.org/citation.cfm?id=1742158>

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