Curriculum Vitae
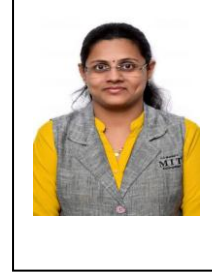
Name: Dr. SMITA LALIT KASAR

Address: 8, 'Shripad', Siddhant Residency, Near Ayappa Mandir,
Beed Bypass, Aurangabad, Maharashtra.

E-mail: smitakasar@gmail.com, smita.kasar@mit.asia

Mobile: 91- 9923432229

Date of Birth: 12th February 1979

AcademicCredentials

Class / Degree	Specialization	Institution	University/ Board	Month/ Year of Passing	Grade
PhD (under guidance of Dr. M. S. Joshi)	Computer Science & Engineering	Government Engineering College, Aurangabad.	Dr. BAMU	Dec 2016	Awarded
ME	Computer Science & Engineering	Government Engineering College, Aurangabad.	Dr. BAMU	May 2010	Distinction
BE	Computer Engineering	Datta Meghe College of Engg., Airoli.	Mumbai	June 2000	First

M.E (CSE)

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

Ph. D (CSE)	
Title	Hybrid Model for the Detection of Heart Disease from Electrocardiogram Signal
Guide	Dr. M. S. Joshi
University	Dr. BAM University, Aurangabad
Completed	December 2016

Key Research Areas: Security, Machine Learning

Experience

Sr. No.	Organization	Post	From To	No. of Years
1	G.S.M's Maharashtra Institute of Technology, Aurangabad, Maharashtra.	Associate Professor and Head, Dept. of Computer Science and Engineering	1 Aug 2018-Present	1yrs 6 months
2	G.S.M's Marathwada Institute of Technology, Aurangabad, Maharashtra.	Associate Professor	6 Nov 2017-31 Jul 2018	9 months
3	MGM's JNEC, Aurangabad, Maharashtra.	Assistant Professor	4 Feb 2002 – Nov 2017	15 yrs
4	Deogiri College, Aurangabad, Maharashtra.	Lecturer,	July 2001 - Jan 2002	6 months

List of Courses Taught/Teaching at UG level :

- C Programming
- Data Structures
- Theory of Computation
- Digital Image Processing
- System Software
- Principles of compiler design
- Network Security
- Professional Ethics and Cyber Security

List of Courses Taught/Teaching at PG level

- Research Methodology

- Performance Analysis and Simulation

Additional Assignments/Duties

- Working as Head, Department of Computer Science and Engineering
- 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.
- 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.
- 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)

Membership of Professional Bodies

- CSI (Life Member # 00095260)
- ISTE (Life Member # LM77054)

Research Projects/Projects Guided

- Security Improvisation in Steganography using AES 128/192/256
- Personalized Recommendation System for Medical Assistance using Hybrid Filtering
- Comparative Analysis for Mining Multilevel Association Rules in Large Datasets
- Sentiment Analysis using Sentence Minimization with Natural Language Generation (NLG)
- E-Grampanchayat
- Online Transcript Generator
- Robotic Fish

Computer/Software Proficiency

C, C++, VB. Net, ASP .Net, Matlab

Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference Attended

WORKSHOPS ATTENDED

Attended python workshop 22 June 2019, organized by Teaching learning centre (ICT), IIT Bombay
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

Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference organized

ORGANISING WORKSHOP/CONFERENCES

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, MGM's JNEC, 2006

Invited talks delivered

- Delivered Lecture "Effective Use of Computer facilities and IT resources" for first year Diploma, 6th August 2019, 1.45pm, MIT (T) Aurangabad.

- Delivered talk on "Effective Presentation" in one-week refresher course on Use of ICT for Effective Teaching Learning, 8-12 Jan 2019.

- Delivered Guest lecture on "Computer Networks" for BE ECT, MIT(E), Aurangabad,2013

- Delivered guest lecture on "Effective Teaching", Deogiri College, Aurangabad,2010

Projects, Research Grants and Consultancy

- Approval for UGC Minor Research Project during XII Plan with total allocation amount Rs. 150000/-.

- Completed project for KEM Hospital Mumbai titled "Hepatitis B vaccination reminder software" in September 2018.

Intellectual Property Rights

- Copyright for BioMedical Waste Management Audit Tool,

  Registration number: SW-12097/2019

- Patent applied for "Robotic Fish for underwater surveillance"

List of Research Publications

Papers in International Journal/Conferences

1. Smita Kasar, Vivek Kshirsagar, Sagar Bokan, Ninad Rathod, "Smart Physical Intruder Detection System for Highly Sensitive Area", *Smartcom 2019, Bangkok, Thailand, 24-25 Jan 2019*

2. 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, MIT, Aurangabad*

3. Ranjana Waman Gore, Smita Kasar, 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

4. 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*

5. Minal Vanarse, Smita Kasar, "Comparative Analysis for Mining Multilevel Association Rulesin Large Datasets", *Springer &CSI sponsored vSecond International Conference on Smart Trends for Information Technology and Computer Communications (SMARTCOM 2017), Pune, August 18-19, 2017*

6. 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.

7. 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*

8. 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*

9. Archana Salunke, Smita Kasar, *"*Personalized Recommendation System for Medical Assistance using Hybrid Filtering*", International Journal of Computer Applications 128(9):6-10, October 2015.*

10. 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*

11. 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)*

12. 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.*

13. Smita Kasar, M.S.Joshi, "ECG Signal Processing: A Survey", IJCA Proceedings on *International Conference in Computational Intelligence (ICCIA 2012), Sandip Institute of Technology and Research, Nasik, Maharashtra.*

14. 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,

15. Abhilasha Mishra, Ganesh Janvale, Smita Kasar, B.V.Pawar, A.J.Patil, "Neuro-modeling of simulated miniature rectangular microstrip antenna by using feed forward and feed back propagation", *IEEE AEMC 2011, Kolkata.*

16. 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

17. 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.*

18. 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 , http://dl.acm.org/citation.cfm?id=1742158

NPTEL Certification

Start Date	End Date	Duration (in Weeks)	Course Name	Marks (Out of 100)	Performance
29 July 2019	20 Sept 2019	8 weeks	Teaching and Learning in Engineering (TALE)-II	70	
25 Feb 2019	22 Mar 2019	8 weeks	Teaching and Learning in Engineering (TALE)-I	66	

Date: 25 February 2020

Place: Aurangabad