Somaiya Vidyavihar University

Name: Ms. SMITA RAMESH SANKHE		E-mail:smitasankhe@somaiya.edu	
Contact No: 9860215008			
Department/Section: Computer Engineering			
College: K. J. Somaiya College of Engineering			
DOJSomaiya:17 December 2007	Career Experience:16Yrs	Industry Experience:06 months	Teaching Experience:15 Yrs
Present Academic Designation: Assistant Professor		Present Administrative Designation:	

Area of research/specialization and Courses Delivered

Research domain/interests/areas
  1. Machine Learning
  2. Deep Learning
  3. Natural Language Processing
  4. Artificial Intelligent
Courses Delivered
  1. Object Oriented Programming and Methodology
  2. Analysis of Algorithms
  3. Web Programming
  4. Advanced Algorithms: Design and Analysis
  5. Python Programming
  6. Open Source Programming
  7. District Mathematics
  8. Computer Graphics
  9. Digital Logic Design and Analysis
  10. Data Analytics
  11. Python for Data Science
  12. Programming in C
  13. Web Programming Laboratory (PHP Full Stack)
  14. Web Engineering
  15. System Programming

Recognition as a teacher by any University	UG: Yes	PG: Yes	Ph.D: Yes(Pursing)

Details of Recognitions
  1. U.G
  2. P.G
  3. Ph.D (Pursing)			

Education					
Examination	Name of the Degree	University/Board	Institute/College	Year	CPI/SPI/ %Marks
Ph.D	Computer Engineering	Kalinga University	Kalinga University	-	(Pursing)
PG	M.E. Computer Engineering	Mumbai University	K.J.Somaiya College of Engineering	2013	78 %
UG	B.Tech in Computer Science and Engineering	SNDT University	Usha Mittal Institute of Technology	2006	70.02%

Notable Experience Details					
Sr. No	Name of the	Designation	Date of Joining	Date of Leaving	Experience

Somaiya Vidyavihar University

	organization				(Years)
1.	KJSCE	Assistant Professor	17th December 2007	Till date (Working)	16

Research Accomplishments and Projects

No of students pursuing Ph.D as on date: NA	No of students completed Ph.D as on date: NA
No of students completed PG thesis / Project work as on date: 01 (in progress)	No of students / groups completed UG projects as on date:15+

Publications Total:20	Number of Peer review Journal papers:12	Number of Conference papers:05+

Details of Publications:

1. R Kabra, R Solsi, S Jaiswal, S Sankhe, Automated Content Generation System Using Neural Text Generation - Data Intelligence and Cognitive Informatics, Springer, Singapore, 2022.

2. Rahul Anand, S Sankhe, Traffic Prediction for Intelligent Transportation Systems using Machine Learning, International Journal for Modern Trends in Science and Technology, 8(07): 276-280, 2022.

3. Smita R Sankhe ,Automated Feature Engineering and Hyper parameter optimization for Machine Learning, IEEE-(ICACCS) 2021 DOI: 10.1109/ICACCS51430.2021.9441668, ISBN:978-1-6654-4634-1, Vol. 52, Issue 12,March 2021.

4. Smita Sankhe,Mihir Gada, Zenil Haria, Arnav Mankad,and Kaustubh Damania, Super Learner: Stack Generalization Algorithm for AutoML, International Conference on Computing and Networking Technology (ICCNT),July 2021.

5. Smita R Sankhe, Cyber bullying Detection using LSTM-CNN architecture and its applications, IEEE - ICICCT 2021 DOI: 10.1109/ICCCI50826.2021.9402412, ISBN: 978-1-7281-9299-4, 2021.

6. Smita R Sankhe, Trumer: Rumor Detection on Twitter Using Machine Learning and NLP Techniques, IDCTA- Springer, ISBN: 978-981-15-9651-3, 2021.

7. Aditya Patni, Anuj Prabhu, Shubham Singh, and Smita Sankhe, Solar Chatbot and Energy Prediction using different Machine Learning Algorithms, 2021 Fifth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud)(I-SMAC),2021.

8. N Thakurdesai, A Tripathi, D Butani, S Sankhe, Vision: A Deep Learning Approach to provide walking assistance to the visually impaired, 1911.08739, 2019, arXiv preprint arXiv: 1911.08739, Nov 2020.

9. Smita Sankhe ,Aurobind V Iyer, Viral Pasad, and Karan Prajapati, Emotion based mood enhancing music recommendation, 2nd IEEE International Conference On Recent Trends in Electronics Information & Communication Technology (RTEICT), May 19-20, 2017, India

10. Shraddha Parekh, Dhwanil Parikh, Srushti Kotak, Smita Sankhe, A New Method for Detection of Phishing Websites: URL Detection, 2018 Second international conference on inventive communication and computational technologies (ICICCT),April 2018.

11. Smita sankhe,Isha Bandi and Jimit Dholakia Mining User's Browsing History to Personalize

Web Search, 2nd International Conference on Inventive Communication and Computational Technologies (ICICCT 2018), IEEE Xplore - Part Number: CFP18BAC-ART; ISBN:978-1-5386-1974-2,June 2018.

12. S Sankhe, N Shinde,Uncovering user's search patterns to personalise web search, International Journal of Development Research, June 2018.

13. Smita Sankhe ,Aurobind V Iyer, Viral Pasad, and Karan Prajapati, Emotion based mood enhancing music recommendation, 2nd IEEE International Conference On Recent Trends in Electronics Information & Communication Technology (RTEICT), May 19-20, 2017, India

14. Smita Sankhe ,Namrata Devadiga, Harshad Kothari, and Hardik Jain, E-Banking Security using Cryptography, Steganography and Data Mining, International Journal of Computer Applications (0975 – 8887) Volume 164 – No 9, April 2017.

15. Smita Sankhe ,Namrata Devadiga, Harshad Kothari, and Hardik Jain, E-Banking Security using Cryptography, Steganography and Data Mining, International Journal of Computer Applications (0975 – 8887) Volume 164 – No 9, April 2017.

16. Smita Sankhe and Kamal Vora, Sumeet Jain, Param Mehta. 'Predictive Analysis: Assigning Weightage and Difficulty Level of Question using Data Mining'. International Journal of Computer Applications 138(9):31-33, March 2016. Published by Foundation of Computer Science (FCS), NY, and USA.

17. Smita R Sankhe and Mit K Shah, Parshva N Shah, Khyati M Thakkar 'Vehicle Monitoring and Routing System'. International Journal of Computer Applications 138(12):7-11, March 2016. Published by Foundation of Computer Science (FCS), NY, USA.

18. Smita R Sankhe and Mit K Shah, Parshva N Shah, Khyati M Thakkar 'Vehicle Monitoring and Routing System'. International Journal of Computer Applications 138(12):7-11, March 2016. Published by Foundation of Computer Science (FCS), NY, USA.

19. Smita R Sankhe and Kavita Kelkar 'Personalized Ontological Framework for Web Information Retrieval' International Journal of Computer Applications 60(3):9-14, March 2013. Published by Foundation of Computer Science, New York, USA.

20. Smita R Sankhe and Kavita Kelkar 'Optimization of Execution Time using Association Rule Mining Algorithms'. International Journal of Computer Applications 59(3):9-14, December 2012. Published by Foundation of Computer Science, New York, USA

Patents/Copy Rights		
No of Research / consultancy / projects completed:02 Rs:75,000/-Rs	No of Research / consultancy / projects on-going: Rs:NA	No of Research / consultancy / projects on applied as on date: Rs:NA
Details of Research / consultancy / projects: Completed		

Somaiya Vidyavihar University

Sr. No	Title of the Project	Name of sponsoring agency	Academic year	Status	Cost
1	IOT Based Water dissemination system for different. PI: Mrs. Smita R. Sankhe.	Minor Research Grant University of Mumbai	2017-18	Completed	50,000
2	IOT based system for monitoring & management of PH parameters CO-PI: Mrs. Smita R. Sankhe.	Minor Research Grant University of Mumbai	2017-18	Completed	25,000

Copyrights

Name of the Teacher	Copy-Right Number	Title of the Copy-Right	Year of Award / publish of patent
1) Mrs. Smita R Sankhe	Dairy Number: 8175/2019-CO/SW	IOT Based Water dissemination system for different.	2019
2) Mrs. Smita R Sankhe	Dairy Number: 8172/2019-CO/SW	IOT Based Recommendation System for Soil Management in Agricultural Domain	2019

FDPs/Seminars/Workshops/Training Programs Attended/ Organized/ Delivered

Attended
1. One-Week Faculty Development Programme on Emerging Technologies in Machine Learning February 2023.
2. Faculty Development Program on Machine Learning and Optimization Techniques in Engineering Applications and Trends Sponsored by Ministry of Electronics and Information Technology, May 2022.
3. STTP on "Machine Learning & Deep Learning with Deployment" organized by the Dept. of Electronics and Communication Engineering. Adi Shankara Institute of Engineering & Technology, 22nd-24th July 2021
4. AICTE Training and Learning (ATAL) Academy FDP on Data Science, October 2021.
5. One-Week Faculty Development Programme on Emerging Technologies in Machine Learning February 2023.
6. Workshop on Effective and Efficient Online Teaching in the Age of Corona, A Hands on Workshop", organized by ICT IIT Bombay, 16th May 2020.
7. AICTE Training and Learning Academy FDP on "Artificial Intelligence" organized Motilal Nehru National Institute of Technology Allahabad, 18th-22nd April 2020.
8. FDP ISTE approved three weeks 8 Credit Course on:" WhatsApp Outcome Based of Education Faculty Development Program" organized by DY Patil College Engineering, Akurdi, Mar-April 2020.
9. Workshop on "Phase - IUCEE International Engineering Educator" organized in 18th- 20th Dec 2018.
10. FDP on "Pedagogy for Online and Blended Teaching-Learning Process FDP201x", Conducted by IIT Bombay, September 2017.
11. FDP on "Foundation Program in ICT for Education FDP101x". Conducted by IIT Bombay, Aug 2017.
12. STTP on "Introduction to Design of Algorithms", Conducted by IIT Kharagpur, April 2015.
13. Attended ISTE Workshop for Coordinators for "Effective teaching/learning of Computer

Programming "Conducted by IIT, Mumbai, May 2010.
14. Attended Short Term Training Program on "Effective teaching/learning of Computer Programming", organized by IITB, Mumbai, December 2009.
15. Attended Short Term Training Program on "Project Management", organized by TCS, Mumbai January 2008.

Delivered
1. Delivered expert lecture on Analysis of Algorithms, February 2021.
2. Delivered expert lecture on Object Oriented Programming and Methodology.

Organized
1. Organized workshop on "'Basic Embedded Systems & the Internet of Things' January 2018.
2. Organized a workshop on "Open Source technology for data management on PHP September 2016.
3. Organized STTP on "Introduction to Design of Algorithms", Conducted by IIT Kharagpur, April 2015.
4. Organized ISTE Workshop on "Effective teaching/learning of Computer Programming "Conducted by IIT, Mumbai, July 2010.

	Notable Key Scholastic Achievements
1.	Reviewed papers of the 5th IEEE - International Conference on Advances in Science & Technology(IEEE-ICAST - 2022) organized by K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai, in association with University of Mumbai and Technically Sponsored by IEEE Bombay Section December 2022.
2.	Reviewed paper in Indonesian Journal of Electrical Engineering and Computer Science, 2022.
3.	Mentor at Smart India Hackathon Organized by AICTE 2022
4.	Evaluator at Toycathon organized by Ministry of Education's Innovation Cell (Government of India) 2021.
5.	Mentor at CSI Hackathon (HackerBash 2021) organized by CSI-KJSCE February 2021
6.	Judge at National Level Online Project Presentation Competition 2020

	Notable Positions and Responsibility
1.	Member of Research and Development cell.
2.	NAAC Criteria 3 In-charge
3.	Member of LOCF (Learning Outcomes based Curriculum Framework) Committee.
4.	Faculty Advisor of Code-Cell
5.	Course Information Sheet Co-ordinator at Department level
6.	Smart India Hackathon Co-ordinator at Department level
7.	Member of Student Development Committee

Date: 09 /02/ 2023　　　　　　　　　　　**Signature of Faculty Member**
　　　　　　　　　　　　　　　　　　　Mrs. SMITA RAMESH SANKHE.