Somaiya Vidyavihar University

Name: Dr.Nilkamal P. More	
Currently working as Head of Department of Information Technology	
Full Address: B318, Department of Information Technology, K.J.Somaiya College of Engineering, Mumbai.	
Contact No: 9967991679	
Email Address: hodit.engg@somaiya.edu, neelkamalsurve@somaiya.edu,	
Department/Section: Information Technology	
College: K J Somaiya College of Engineering	

DOJ Somaiya: 05/08/2002	Career Experience: 22 Yrs	Teaching Experience: 22 Yrs
Present Administrative Designation: Head, Department of Information Technology		

Area of research/specialization and Courses Delivered
Research domain/interests/areas

Research domain/interests/areas
1. Remote sensing
2. Geographical Information System
3. High performance computing

Courses Delivered
1. Machine learning
2. Exploratory Data Analysis
3. Data Mining
4. Database Management System
5. Cloud computing

Education					
Examination	Name of the Degree	University/Board	Institute/College	Year	CPI/SPI/ %Marks
Ph.D	Computer Engineering	Mumbai University	Veermata Jijabai Technological Institute, Mumbai	2022	9 pointer in Course work
PG	Computer Engineering	Mumbai University	Thadomal Shahani Engineering College, Mumbai	2010	73%
UG	Computer Engineering	Dr. Babasaheb Ambedkar Technological Unversity	Dr. Babasaheb Ambedkar Technological Unversity	2001	70%
Diploma	Computer Engineering	Dr. Babasaheb Ambedkar Technological Unversity	Institute of Petrochemical Engineering	1997	79% Gold Medal

Research Accomplishments and Projects		
No of students completed PG thesis / Project work as on date: 2		No of students / groups completed UG projects as on date:40 plus
Publications Total:17	Number of Peer review Journal papers: 4	Number of Conference papers: 8

Details of Publications:

Copyrights:
1. Floodsight- satellite image classification algorithm for accurate flood mapping(l-148906/2024)
2. Biometric trait matching using improved iris recognition algorithm (l-145557/2024)

International Journals
1. Nilkamal More, V Parmar , A. Tathavadkar , T. Shah , M. Shah, 2021, "Classification of Emotions From EEG Signals using Machine Learning Algorithms", International Journal of Engineering Research & Technology (IJERT) Volume 10, Issue 05 (May 2021)
2. More, Nilkamal, V. B. Nikam, and Biplab Banerjee. "Novel approach of association rule mining for tree canopy assessment." IAES International Journal of Artificial Intelligence 10, no. 3 (2021): 771.
3. Nilkamal More, "Extraction of Road Network from Satellite images using Efficient Net", International Journal of Engineering Research & Technology (IJERT) Volume 09, Issue 07 (July 2020)
4. More, Nilkamal, V. B. Nikam, and B. Banerjee. "Machine learning on high performance computing for urban greenspace change detection: satellite image data fusion approach." International Journal of Image and Data Fusion 11.3 (2020): 218-232.
5. Nilkamal More, " Web Attack Runtime Detection (WAR)",International Journal of Engineering and Technical Research ,June 2015
6. Nilkamal More, "Plagiarism detection in source code", International Journal for Innovative Research in Science & Technology, March 2015.
7. Nilkamal More, "Big data analysis using Hadoop", The Board of International Journal of Computer, Information Technology & Bioinformatics(IJCITB) e-Journal March 2015 ISSN 2278- 7593
8. Nilkamal More, "Recommendation of book using Improved Apriori algorithm ", International Journal for Innovative Research in Science & Technology, Volume 1 issue 4,Sept 2014.
9. Nilkamal More and Suchitra Patil, "Recommending an insurance policy using Association rule Mining "International Journal for Innovative Research in Science & Technology,Volume 1 issue 4,Sept 2014.

Conferences
1. Spatio-Temporal Change Detection Model For Deforestation Analysis Using Advanced Deep Learning Approaches Nilkamal More ., V.B. Nikam ., Biplab Banerjee ., T.P. Singh ., Abhay Bambole ., International Geoscience and Remote Sensing Symposium (IGARSS), Volume 2023-July, Year 2023, Pages 6760-6762
2. More, Nilkamal, Priya Fernandes, Nachiket Bhuta, Riya Suri, and Akshita Patil. "Construction of Sports Articles Using Audio Commentary." In ICT Systems and Sustainability, pp. 611-618. Springer, Singapore, 2022.

3. Nilkamal More, "Experimental survey of Geospatial big data platforms", WDSHPC, High Performance Computing-2018 (HiPC) Bengaluru, 17th to 20th December 2018.

4. Nilkamal More, "Comparative study of color iris recognition: DCT vs. vector quantization approaches in rgb and hsv color spaces", 2017 International Conference on Advances in Computing, Communications and Informatics (ICACCI)

5. Nilkamal More, "A Robust Watermarking On Colored Images", 3rd International ConferenceOn Computing, Communication, Control And Automation, 17th - 18th Aug 2017.
6. Nilkamal Surve, "Iris Recognition using Haar transform and Weighted Euclidean Distance," International Conference on emerging trends and technologies in computer and information technology at Chandigarh, Jan, 2011.
7. Nilkamal Surve and Arun Kulkarni , "Iris Recognition using discrete sine transform and neural network," International Conference and Workshop on Emerging technologies, TCET, Mumbai, Mar. 18-19, 2010.

Books

1. Database Management System 2005, Techmax Publication, Pune, India

Book Chapters

1. More, Nilkamal, Jash Shah, V. B. Nikam, and Biplab Banerjee. "Distributed Deep Learning and Its Application in Geo-spatial Analytics." In Advances in Scalable and Intelligent Geospatial Analytics, pp. 169-183. CRC Press, 2023.

2. More, Nilkamal P., Manisha Galphade, V. B. Nikam, and Biplab Banerjee. "Geospatial BigData and Its Applications." In Hydro-Meteorological Extremes and Disasters, pp. 191-206. Springer, Singapore, 2022.

3. More, Nilkamal, et al. "High-Performance Computing: A Deep Learning Perspective." Deep Learning and Edge Computing Solutions for High Performance Computing. Springer, Cham, 2021. 247-268.

4. More, Nilkamal, "Understanding Deep Learning: Case Study Based Approach." Deep Learning and Edge Computing Solutions for High Performance Computing. Springer, Cham, 2021. 135-148.

No of Research / consultancy / projects completed: Rs: NA	No of Research / consultancy / projects on-going: Rs:47 lakhs	No of Research / consultancy / projects on applied as on date: Rs:30 lakhs

Research projects

On-going

1. "AI and Geo-Intelligence Applications Development", 47.5Lakhs funded by Somaiya Vidyavihar University.

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

Attended

1. Attended one week workshop on, "Data Sciences", by AICTE, from 1st – 5th February 2021
2. Attended one week workshop on, "Quantum computing", by AICTE, from 4th – 8th January 2021
3. Attended one week workshop on "Remote Sensing and Digital Image Analysis", Indian Institute of Remote Sensing, from 17th August - 11th Sept 2020.
4. Attended one week workshop on "Advanced deep learning", by Benette University, 20th to 24th July 2020.
5. Attended 4 days' workshop on "Exam reforms", by AICTE, 22-25 April, 2020
6. Attended one week workshop on "Spatial & Graph Databases: Data Modelling, Designing & Query Processing" at Veermata Jijabai Technological Institute, Matunga, from 15th Jan -20th Jan 2019.
7. Attended one week workshop on "GIS, geospatial technologies and ICT" at Veermata Jijabai Technological Institute, Matunga, from 27th Nov -2nd Dec 2018.
8. Attended one week workshop on "Spatial data, data mining and analytics" at Veermata Jijabai Technological Institute, Matunga, from 26th Mar -31st March 2018.
9. Attended three days workshop on "Deep learning and AI" at Symbiosis Institute of Technology Pune, 13th -15th June 2018.
10. Attended one week workshop on "Introduction to Machine learning" at Fr. C. Rodrigues Institute of Technology Vashi, 2nd Jan-6th Jan 2018.
11. Attended one week workshop on "Digital security" at K.J.Somaiya College of engineering Mumbai, 27th June -2nd July 2016.
12. Attended one day workshop on "Big data using Hadoop" at J.P.Morgan Chase Mumbai, 13th Feb 2015.
13. Attended two days workshop on "Business Intelligence" at TCS Mumbai, 28th -29th Jan 2014.
14. Attended one week workshop at IITB on "Coordinators' workshop on database management system", 5-10 May 2013.
15. Attended Training Program on "Scilab-An Open Source platform for numerical computation" 13th June-17th June 2011.
16. Attended International Conference and workshop on emerging technologies at Mumbai, March 2010.
17. Attended seminar on "How to write Technical Paper using LaTex" 20th Feb 2010 KJSCE, Vidyavihar.
18. Attended Training Program on 'Rational Application Developer', organized by IBM, January 2010.

19. Attended STTP on "Open Source Softwares: An Effective Way to Manage Engineering Education" in KJSCE from May 13, 2006 to May 24, 2006.
20. Attended STTP on "Induction training programme for Engg. College teachers(ITP)", organized by National Institute of Technical Teachers' Training and Research, Bhopal from 5th Dec 2005 to 17th Dec 2005.
21. Attended short term training Program on "Recent trends and techniques in multimedia technology" at Madhav Institute of Technology Gwalior in 2003.
22. Attended short term training Program on "Distributed object technology using Java/CORBA" at Dr. Babasaheb Ambedkar Technological University, Lonere IN 2001.

Organized

1. Organized one week workshop on " AI and ML-Enhanced Geospatial Analytics: Real World Case Studies ", organised by Information technologydepartment and IEEE GRSS,ISTE Teachers' KJSCE from 8th-12th July 2024.
2. Organized one week workshop on "Sustainable and sucure Blockchain Secure and Sustainable Blockchain Development: Innovation for Next Web 3", organised by Information technology department and IEEE GRSS,ISTE Teachers' KJSCE from 1st-5th July 2024.
3. Organized one week workshop on " Blockchain Technology ", organised by Information technology department and AICTE-ISTE Teachers' Chapter KJSCE from 19-23 Dec 2022.
4. Organized one week workshop on " Bioinformatics: emerging research trends and applications ", organised by AICTE-ISTE Teachers' Chapter KJSCE from 27 June-1 July 2017.
5. Organized one week workshop on "Stress management, work-life balance and yoga ", organised by ISTE Teachers' Chapter KJSCE from 13-17 December 2016.
6. Organized two weeks workshop on "Database management system", organised by IIT Bombay, from 21-31 May 2013.
7. Organized Training Program on 'IBM DB2', organized by IBM, February 2010.
8. Organized One week Workshop on 'Core Java' organized by Department of Information Technology in association with ISTE Faculty Chapter KJSCE, June 21-25, 2010.

Delivered

1. Delivered a lecture in STTP on GIS in K.J.Somaiya College of Engineering- Department of Computer Engineering
2. Delivered lectures in STTP on GIS in Veermata Jijabai Technological Institute- Department of Computer Engineering.
3. Delivered a lecture on "Association rule mining on spatial data" in FDP on "Spatial data, data mining and analytics" in VJTI.
4. Delivered a lecture on "Steps in project designing in geospatial domain" in FDP on "GIS, Geospatial technologies and ICT" in VJTI.

Online Courses:

1. Completed online course on "Convolution Neural Network" organized by GUVI in Sept 2020.
2. Completed online course on "Applications of Remote Sensing Techniques" organized by Udemy in July 2019.
3. Completed online course on "Maths for machine learning" organized by Udemy in Jun 2019.
4. Completed online course on "Classification and clustering with machine learning in python" organized by Udemy in Mar 2019.
5. Completed online course on "Land use land cover classification using google earth engine API" organized by Udemy in Jan 2019.
6. Completed six weeks course on "Spatial Data Science and Applications" organized by Coursera in June 2018.
7. Completed one month workshop on "Basic programming using Python" organized by FOSSEE IITB in April 2018

Notable Key Scholastic Achievements
1. Recipient of Gold Medal at University of Dr. Babasaheb Ambedkar Technological University, 1998

Somaiya Vidyavihar University

Notable Positions and Responsibility

1. Working as Head of department of Information Technology
2. Worked as an associate head for one year
3. Worked as a head of department in July 2017. Went for higher studies in Aug 2017
4. IEEE annual membership
5. Life Member of Indian Society of Technical Education, New Delhi, India, since 2002.
6. Involved in process of purchase of AWS cloud.
7. Involved in purchase of ArcGIS software.
8. Developed and implemented slot wise time table software in KJSCE in 2015.
9. Worked as Department level project coordinator.
10. Worked as Department level website coordinator.
11. Worked in Department level faculty documentation and personal file verification of teaching and non-teaching.
12. Worked in Department level faculty research paper publication documentation
13. Developed and implemented software for Exam section of KJSCE in 2010.
14. Worked as a Secretary of Indian Society of Technical Education Teachers' chapter KJSCE, for three years.

Date: 31/07/ 2024   **Signature of Faculty Member**