

Dr. Nita Sanjay Patil

Qualification: Ph. D. Science and Technology (Computer Engineering)

Mail id: nita.patil@kccemsr.edu.in

Contact no: 9819287150

Career Highlights

Dedicated and committed to fostering an engaging learning environment, I aim to leverage my experience, expertise and enthusiasm to help students develop critical thinking skills, foster love for lifelong learning, and achieve academic success.

Teaching Experience

Institute /Organization	Position Held	Period of appointment
K. C. College of Engineering and Management Studies and Research, Thane	Associate Professor in Information Technology	26 rd July 2026 to till date
Datta Meghe College of Engineering, Airoli, Navi Mumbai	Assistant Professor in Computer Engineering	01.04.2011 till 25.07.2023
Datta Meghe College of Engineering, Airoli, Navi Mumbai	Senior Lecturer in Computer Engineering	08/1/2009 to 31/3/2011
Datta Meghe College of Engineering, Airoli, Navi Mumbai	Lecturer in Computer Engineering	01/10/2002 to 07/01/2009.

Qualification

Examination	University	Month & Year of Passing	Subject & Specialization	Class
Ph. D. (Science and Technology - Computer Engineering)	Mumbai University	January 2020	Computer Engineering	Awarded
M. E. (Computer Engineering)	Mumbai University	August 2009	Computer Engineering	Distinction
B. E. (Computer Technology)	Nagpur University	June 2001	Computer Technology	First Class

Membership of professional bodies

Sr. No.	Name of Professional Body	Status
1	Indian Society for Technical Education (ISTE)	Life Member
2	International Association of Engineers (IAENG)	Life Member

Publications

Conferences (International)

01	Nita Patil, Chhaya Das, Shreya Patankar, Kshitija Pol, "Mobile Agents for Distributed Intrusion Detection System", International Conference on Emerging Techniques in Electronics, Computing Embedded System & VLSI Design (ICEVD-2008), Padmashri Dr. Vitthalrao Vikhe Patil COE, Ahmednagar (M.S.), India, 20-21 March 2008.
02	Nita Patil, Subodh Karve, "Congestion Indication and control using Global Positioning system" International Conference on Emerging Techniques in Electronics, Computing Embedded System & VLSI Design (ICEVD-2008), Padmashri Dr. Vitthalrao Vikhe Patil COE, Ahmednagar (M.S.), India, 20-21 March 2008.
03	Nita Patil and Subodh Karve "An Analysis of recovery in Mobile wireless environment" International Conference on Emerging Techniques in Electronics, Computing Embedded System & VLSI Design (ICEVD-2008), Padmashri Dr. Vitthalrao Vikhe Patil COE, Ahmednagar (M.S.), India, 20-21 March 2008.
04	Nita Patil, Kshitija Pol, Shreya Patankar and Chhaya Das, "Analysis of distributed Intrusion Detection system using Mobile Agents", First International Conference on Emerging Trends in Engineering & Technology(ICETET-2 008),at G. H. Rasoni COE, Nagpur (M.S.) India, 16-18 July 2008.
05	Kshitija Pol, Nita Patil, Shreya Patankar and Chhaya Das "A Survey on Web Content Mining And Extraction of structured and Semi Structured data" First International Conference on Emerging Trends in Engineering & Technology(ICETET-2 008),16-18 July 2008.
06	Archana Gulati, Amol Pande, Nita Patil "Hiding data within Encrypted Image Using the Least Significant Bit Insertion" at International Conference on Emerging Trends in Emerging Trends in Engineering & Technology (ICETET-2 008),G. H. Rasoni COE, Nagpur (M.S.) India, 16-18 July 2008.
07	Dipali Junankar and Nita Patil,"Ubiquitous Computing Using Grid Computing Approach", Yadavrao Tasgaonkar Institute of Engineering & Technology, Chandhai, Karjat, 6-7 March 2013, ISBN - 978-81-923777-7-3 2013.
08	Poonam Raut, Nita Patil, "Analysis, Detection and Restoration of Altered fingerprints", Yadavrao Tasgaonkar Institute of Engineering & Technology, Chandhai ,Karjat, 6-7 March 2013, ISBN - 978-81-923777-7-3 2013.
09	Bhavan Rathod, Ekta Singh, Aishwarya Singh, Nita Patil,"Reranking and rescoring in video indexing and retrieval", International Conference, Datta Meghe COE, Airoli, Navi Mumbai, (M.S.) India, 7-8 April 2017, ISBN - 178-93-86171-02-3 2017.

10	Deepali Kadam, Nita Patil, Archana Gulati, "A Comparative Study of Hindi Text Summarization Techniques: Genetic Algorithm and Neural Network", International Conference on Emerging Science, Management and its Applications (ICETESMA-2015) by Academic Science and Conference, 01 March 2015.
11	Prajakta Bhosale, NitaPatil, "A survey of Visual Concept detection", International Conference on Communication, Security and Optimization of Decision support system (IC-CSOD 2018) MULTICON- W Thakur COE, Kandivali, Mumbai, Feb 23-24 -2018.
12	Vighnesh Mahadik, RuchiraKoli, Manali Lakhan, Nita Patil," Encouraging and Utilizing Linked Data from Open Online Courses", 2nd International Conference on Advanced Trends in Engineering (ICATE_2018), Datta Meghe COE, Airoli, Navi Mumbai, 6-7 April 2018. ISBN:978-93-5267-422-1.
13	Parag Bhosale and Nita Patil, " Development of Mobile Data Hiding and Locking Mechanism App for Android Based Mobile Handsets ", 2nd International Conference on Advanced Trends in Engineering, Da(ICATE_2018), DattaMeghe COE, Airoli, Navi Mumbai, (M.S.) India, 6-7 April 2018. ISBN:978-93-5267-422-1.
14	Nita Patil and Sudhir Sawarkar, "Concept Detection Trends in Using Multiple Feature Set and Classifiers' IEEE (ICACAT-2018) LNCTE ,Bhopal.
15	Nita Patil and Sudhir Sawarkar, "Semantic Concept Detection in Multilabel Unbalanced Dataset using Global Feature Set ", (ICICV-2019), Tamilnadu (Springer).
16	Nita S. Patil and Sudhir D. Sawarkar, "Semantic Concept Detection using Global and Local Feature Fusion" 3 rd International Conference on Trends in Electronics and Informatics (ICOEI 2019), India 23-24 April, 2019, published in IEEE Xplore ISBN: 978-1-5386-9439-8.
17	Nita S. Patil,Ajinkya Bandagale, Vipul Chaudhari, and Virendra Agale, "Classification Of Brain Tumor Into Four Categories Using Convolution Neural Network," in 2nd International Conference on Intelligent Technologies,(CONIT 2022), ,Hubali, Karnataka, 26-27 June 2022.
18	Kavita Bathe, Nita s. Patil, "Leveraging Potential of Deep Learning for Remote Sensing Data: A Review" in International Conference on Intelligent Systems and Human Machine Collaboration(ICISHMC), 8-9 July 2022, ,Lecture Notes in Electrical Engineering, Springer
19	Nita Patil, S. M Patil , "Phishing website detection using Optimized Features", International Conference Continuity consistency and Innovations in Applied Sciences and Humanities(ICCIASH-2023), 18-19 August 2023
20	Sahil Pulikal, Nita Patil, C. M. Raut, S. M Patil , " Deep Learning in Diagnosis of Diabetic Retinopathy", International Conference Continuity consistency and Innovations in Applied Sciences and Humanities(ICCIASH-2023), 18-202319 August
21	Nita Patil, C. M. Raut, S. M Patil , " Blockchain Based Electronic Health Record (EHE) Management Using Smart Contract", International Conference Continuity consistency and Innovations in Applied Sciences and Humanities(ICCIASH-2023),
22	Sahil Pullikal, Nita Patil, C. M. Raut, S. M . Patil, " A Framework for Applying Generative AI in Educational Course Creation ", International Conference on Large Language Models and Use cases, Thadomal Shahani Engineering College , Bandra, 9 th December 2023

Conferences (National)

01	Nita Patil, Chhaya Das, Sujata Kolhe "Overview of Mobile Agent: Design Issues , System Analysis ", National Conference on Trends In Advance Computing(NCTIAC-2007) , DMCE Airoli ,Navi Mumbai NCTIAC-07on 28 th & 29 th Dec 2007.
02	Nita Patil and Madhumita Chatterjee, “A survey of Recovery in Mobile Wireless Environment” National Conference on Trends In Advance Computing(NCTIAC-2007) , DMCE Airoli ,Navi Mumbai NCTIAC-2007on 28 th & 29 th Dec 2007.
03	SubodhKarve, Nita Patil, SujataKolhe, “Congestion Indication and Control” National Conference on Computing communication, Electronics (NCCCE-08), KCF COET, Jalgaon, Maharashtra, 08 th and 9 th Feb 2008.
04	Nita Patil, Chhaya Das, SujataKolhe, ShreyaPatankar, "Mobile Agent System Analysis", National Conference on Computing Communication, Electronics (NCCCE-08), KCF COET, Jalgaon, Maharashtra, 08 th and 9 th Feb 2008.
05	Sanjay Patil and Nita Patil, "Image Compression Using SPHIT ", National Conference on Computing Communication , Electronics (NCCCE-08), KCF COET, Jalgaon, Maharashtra, 08 th and 9 th Feb 2008.
06	Nita Patil, Madhumita Chatterjee, Sujata Kolhe, Subodh Karve, "Recovery In mobile Database System Survey and Analysis " National Conference on Computing Communication , Electronics(NCCCE-08), KCF COET, Jalgaon, Maharashtra, 08 th and 9 th Feb 2008.
07	Nita Patil, Kshitija Pol, ShreyaPatankar, "Storage Area Network: Analysis , Replication and Networks ", 4 th National Conference on “Emerging Trends in Computer Communication and Networks”(NETCCN 2008) 21-22 February 2008 at Adhiyamaan College of Engineering, Hosur, Tamilnadu.
08	Nita Patil,Parag Bhosale, "Android Data Hiding and Locking", National Conference on Advanced Trends in Engineering (NCATE-2016) 12-13 March 2016.

Journals (International)

01	Deepali Junankar, Nita Patil, "Concept Based Video Retrieval", International Journal of Engineering Research and Applications, IJERA, pp 54-58, April 2014, ISSN 2248-9622 -2014.
02	Poonam Raut, Nita S. Patil, “Performance Analysis of Content Based Video Retrieval System Using Clustering”, International Journal of advanced technology in engineering and science (IJATES), Volume No.02, Special Issue No. 01, September 2014, ICETSCET-14. ISSN (online): 2348 – 7550.
03	Aniket Kale, Anushil Mahajan, Dhananjay T., Nita Patil, "Android based football match making application (Derby)”, International Journal for Scientific Research & Development (IJSRD), e – journal, Vol 5, issue 2, April 2017.
04	Mitchavan, Haroon Antapur, Abhishek Shetty, Nita Patil "Secure SMS communication using Quasigroup algorithm”, International Journal of Infinite Innovations in Technology (IJIIT) April 2017, ISSN 2278-9067.
05	Sumedha Ubale, Kajol Wadye, Ankita Sarang, Nita Patil "Hindi sentiment Analysis", International Journal on Future Revolution in Computer Science & communication Engineering (IJFRCSCE) Vol 4, Issue 3, March 2018, ISSN 2454-4248.
06	Kamlesh Patil, Nayana Kamerkar, Ankita Kale, Nita Patil, "Text Mining applied to Rail Accidents", International Journal on Future Revolution in Computer Science & communication Engineering (IJFRCSCE) Vol 4, Issue 3, March 2018, ISSN 2454-4248.
07	Vighnesh Mahadik, Ruchira Koli, Manali Lakhani, Nita Patil " Encouraging and utilizing linked data from open online courses", International Journal on Future Revolution in Computer Science & communication Engineering (IJFRCSCE) Vol 4, Issue 3, March 2018, ISSN 2454-4248.

08	Prajkata Bhosale, Nita Patil, Sudhir Sawarkar, " Semantic Multimodality Fusion for Video Search", International Journal of Scientific Research in computer Science, Engineering and Information Technology (IJSRCSEIT), Volume 3, Issue 3, April 2018, ISSN 2454-4251.
09	Ritika Sangale, Nita Patil, Sudhir Sawarkar, "Convolutional Neural Network (CNN) and GMM Supervectors in Video Concept Detection," International Journal of Engineering and Science Invention (IJESI), Volume 7, Issue 8, August 2018.
10	Ritika Sangale, Nita Patil, Sudhir Sawarkar, "Video Concept Detection Using Convolutional Neural Network", International Journal of Engineering Research and Development, PP.79-86, Volume 15, Issue 1, January 2019, e- ISSN: 2278-067X, p-ISSN: 2278-800X.
11	Ayusha Mohite, Shruti Gamare, Karan More, Nita Patil, "Deep Learning Based Card-Less Atm Using Fingerprint and Face Detection Techniques", International Research Journal of Engineering and Technology (IRJET), Volume 6 Issue 1, January 2019.
12	Nita Patil, Sudhir Sawarkar, "Semantic Concept Detection in Video Using Hybrid Model of CNN and SVM Classifiers, In International Journal of Image Processing (IJIP), Volume (13), Issue (2), 2019.
13	Prabhjyot Singh, Dnyaneshwar Bachhav, Omkar Joshi, Nita Patil, "Musical Instrument Recognition using CNN and SVM", International Research Journal of Engineering and Technology (IRJET), Volume-06, Issue-03, March 2019.
14	RohitJadhav, JayeshBhuke, Nita Patil , "Facial Emotion Detection using Convolutional Neural Network ", International Research Journal of Engineering and Technology (IRJET), Volume-06, Issue-03, March 2019.
15	Prabhjyot Singh, Dnyaneshwar Bachhav, Omkar Joshi, Nita Patil, "Implementing Musical Instrument Recognition using CNN and SVM," , International Research Journal of Engineering and Technology (IRJET), Volume-06, Issue-07, July 2019.
16	Jeevan Deshmukh, Nita Patil, Dr. SudhirSawarkar, "Study of SVM and CNN in Semantic Concept Detection," International Research Journal of Engineering and Technology (IRJET), Volume: -06, Issue: -06, June 2019.e-ISSN: 2395-0056.
17	Jeevan J. Deshmukh, Nita S. Patil, Sudhir Sawarkar, "Video Concept Detection Using SVM and CNN", International Journal of Engineering Development and Research (IJEDR), ISSN:2321-9939, Volume.7, Issue 3 pp.47-52, July 2019, Available at http://www.ijedr.org/papers/IJEDR1903009.pdf .
18	Priya Kadam, Nita Patil, Sudhir Sawarkar, "Semantic Concept Detection in Video using MPEG Features, "International Journal of Innovative Research in Science, Engineering and Technology, Vol. 8, Issue 8, August 2019.ISSN(Online): 2319-8753 DOI:10.15680/IJIRSET.2019.0808072.
19	Priya Kadam, Nita Patil, Sudhir Sawarkar, "Improvement in Score of Classifier by Correlation between Concepts for Semantic Concept Detection, "International Journal of Innovative Research in Computer and Communication Engineering, Vol. 7, Issue 9, September 2019. ISSN(Online): 2320-9801. DOI: 10.15680/IJRCCE.2019. 0709003.
20	Kanchan Shinde, Tejal Kesarkar, Siddharth Kasley, Nita Patil, "ASL Gesture Recognition using Various Feature Extraction techniques and SVM", International Research Journal of Engineering and Technology (IRJET), Volume 7 Issue 6, June 2020. e-ISSN: 2395-0056.
21	Mohd. Faisal, Sakshi Shetty, Shrish Joshi, Dr. Nita Patil, "Self-Driving Car Future of Mobility for Disabled People", International Research Journal of Engineering and Technology (IRJET), Volume 7 Issue 6, June 2020 e-ISSN: 2395-0056.
22	Siddhesh Jadve, Swarup Chattopadhyay, Yash Khodankar, Nita Patil, "Decentralized Crowdfunding Platform using Ethereum Blockchain Technology", International Research Journal of Engineering and Technology (IRJET) Volume 8, Issue 4, April 2021. e-ISSN: e-ISSN: 2395-0056, https://www.irjet.net/Volume8-issue4 , S.No: 1024.

23	Abhilash Patade, Prakash Parmar, Sarvesh Nikam, Dr. Nita Patil, "RESULT MANAGEMENT AND ANALYSIS ", International Research Journal of Modernization in Engineering Technology and Science (IJMETS), Volume 03, Issue 05, May-2021. Impact Factor- 5.354 www.irjmets.com e-ISSN: 2582-5208.
24	Bhushan Toke, Aditya Adak, Shubham Mahajan, Nita Patil, "Image to Text Conversion Using OpenCV Technology", International Journal of Scientific Research in Engineering and Management (IJSREM), Volume 5, Issue 5, May 2021. ISSN:2582-3930, Impact Factor:4.106.
25	Leena Chaudhary, Anushka Chaudhary, Nita Patil, "Augmented Reality (AR) for Education System", International Research Journal of Engineering and Technology (IRJET) Volume 9, Issue 4, April 2022. e-ISSN: e-ISSN: 2395-0056. https://www.irjet.net/volume9-issue4 S.No: 248
26	Nita Patil, Alpesh Tandel, Rushika Gawade, Arati Kamble, "Plant Disease detection Using Convolution Neural Network (CNN)", International Research Journal of Engineering and Technology (IRJET) Volume 9, Issue 5, May 2022. e-ISSN: e-ISSN: 2395-0056. https://www.irjet.net/volume9-issue4 S.No: 366

Journals (National)

1	Nita S. Patil, Sanjay M. Patil, Chandrashekhar M. Raut, Amol P. Pande, " Review And Implementation Of Secured Approach To Online Electoral System ", Industrial Engineering Journal, Volume: 52, Issue 1, No. 1, January 2023. ISSN: 0970-2555. UGC CARE Group-1, Sr. No.-155 (Sciences)
2	Miss. Smruti P. Patil, Mr. Amol P. Pande, Mr. Chandrashekhar M. Raut, Mrs. Nita S. Patil, Mr. Sanjay M. Patil, "Pragmatic analysis of machine learning models for blockchain-based security deployments from an empirical perspective ", Industrial Engineering Journal, Volume: 52, Issue 1, No. 1, January 2023. ISSN: 0970-2555. UGC CARE Group-1, Sr. No.-155 (Sciences)
3	Vishal S. Badgujar, Chandrashekhar M. Raut, , Mr. Amol P. Pande, Mrs. Nita S. Patil, Mr. Sanjay M. Patil, "Secrets Of Mindmap In A Education ", Industrial Engineering Journal, Volume: 52, Issue 1, No. 1, January 2023. ISSN: 0970-2555. UGC CARE Group-1, Sr. No.-155 (Sciences)
4	Nita S. Patil, Sanjay M. Patil, Chandrashekhar M. Raut, Amol P. Pande, " Brain Tumour Detection Through MRI Images ", Industrial Engineering Journal, Volume: 52, Issue 1, No. 1, January 2023. ISSN: 0970-2555. UGC CARE Group-1, Sr. No.-155 (Sciences)

STTPs, FDPs, Workshop, Seminar, Courses attended

1) Short Term Training Programs (STTP) ATTENDED

01	"Data Warehousing and Mining", YCCE, 17 to 29 NOV 2003, Nagpur.
02	"Techno Vision 2004", 14 to 24 Dec 2004, DMCE, Airoli.
03	"Towards Effective Teaching and Stress Management", 5 to 16 Jan 2007, DMCE, Airoli
04	"Mastering MATLAB", 1 to 11 Jan 2008, DMCE, Airoli
05	"Python Programming", 6 to 11 Jan 2020, DMCE, Airoli.
06	"Recent Trends and Applications of ML and DL Algorithms in IT", 25 to 29 May 2020, Ramrao Adik Institute of Technology (RAIT), Nerul, Navi Mumbai.
07	"Advanced Concepts, Tools & Applications Of Blockchain & Securities" , 4 to 9 July 2022, Vasantdada Patil Prathisthan's College of Engineering & Visual Arts (VPPCOE & VA), Sion, Mumbai.

2) Workshops Attended

01	“Network security and Ethical Hacking”, 24-26 Sept 2015, DMCE, Airoli
02	“Hands On Linux”, 14-16 Jan 2016, DMCE, Airoli.
03	“Data Science Using R”, 20-22 Feb 2019, DMCE , Airoli.

3) Faculty Development Program (FDP) Attended

01	“Storage Area Networks and Project Management (SAN & PM)”, Tata Consultancy System (TCS), Thane, 6 7 February 2009.
02	“R Programming language” IITB-PVPPCOE for 5 days from 27/4/2020 to 2/5/2020.
03	“PYTHON 3.4.3”, organized by D. J. Sanghavi in association with IITB, Bombay for 5 days from 3/5/2020 to 7/5/2020.
04	AICTE Online Faculty Development Program on Outcome Based Education : A Step Towards Excellence, Government College of Engineering, Karad for 5 days from 11/5/2020 to 15/5/2020.
05	"Introduction to Forensics science and digital and Cyber Forensics" organized by Nagpur Institute of Technology (NIT), Nagpur for 5 days 15/5/2020 to 19/5/2020.
06	"Machine Learning and Artificial Intelligence", Universal College of Engineering (UCT), Vasai, Mumbai for 5 days from 22/5/2020 to 26/5/2020
07	"Data Science", Fr. Rodrigues Conceicao COE (FRCCOE), Bandra for 5 days from 26/5/2020 to 30/5/2020.
08	"Disruptive technologies of Industry 4.0", Fr. Conceicao COE (FRCCOE), Bandra for 5 days from 30/5/2020 to 3/6/2020.
09	"SCILAB " FDP, AISSMS COE, Pune in collaboration with Spoken Tutorial IIT, Bombay for 7 days from 8/6/2020 to 14/6/2020.
10	“Latex”, organized by Thakur COE, Mumbai in association with IITB, Bombay for 5 days from 15/6/202 to 19/6/2020.
11	AICTE-ISTE Approved STTP on " Outcome Based Education & NBA" SLRTCOE, Mira Road for 5 days from 29/6/2020 to 3/7/2020.
12	“Tools for Online Teaching Learning and Evaluation” organized by Swami Ramanand Teerth Marathwada University, Nanded, Maharashtra, for 6 days from 1/7/2020 to 6/7/2020
13	Moodle Management System
14	Emerging Trends in Computer Engineering for 4 days from 22-06-2020-25-06-20 organized by Datta Meghe COE, Airoli.
15	“Inculcating Universal Human Values in Technical education” organized by All India Council for Technical Education, New Delhi (AICTE) for 5days from 2/7/2020 to 6/7/2020.
16	Outcome Based Education organized by Datta Meghe COE, Airoli, for 7 days from for 5days from 29/6/2020 to 3/7/2020.
17	“Advancement in IOT, Cyber Security and Drone Technology" organized by LTCE, Koparkhairane from 7 to 12 June 2021.
18	“Research Trends in Information Technology”, organized by Datta Meghe College of Engineering for 3days from 23-25 June 2021.
19	Data Analytics using Excel organized by Datta Meghe College of Engineering, for 3days from 26-28 June 2021.

20	“Cyber Security”, organized by Departments of Computer Science and Engineering & Information Technology in association with Supraja Technologies at Vasireddy Venkatadri Institute of Technology, Guntur from 28 June to 2 July 2021.
21	“Multitechnology”, organized by Department of Computer Engineering, Bharati Vidyapith Kharghar in collaboration with National Youth Council of India and Brainovision Solutions India Pvt. Ltd. from 28 th June 2021 to 3 rd July 2021.
22	“Pedagogy of Teaching and Tools on E-Content Development for Effective Teaching”, organized by Christopher Arts and Science College, Tamil Nadu, for 10 days from 05 th to 14 th July 2021.
23	“Big Data Classification and Visualization”, organized by Department of Computer Engineering, Datta Megh College of Engineering, Airoli, Navi Mumbai, from 2 nd March to 4 th March 2022
24	“Online UHV 1 Refresher FDP ” organized by All India Council for Technical Education, New Delhi (AICTE) for 5days from 18/4/2022 to 22/4/2022
25	“The 5-day online UHV-II FDP” organized by All India Council for Technical Education, New Delhi (AICTE) for 5days from 16/5/2022 to 21/5/2022

4) STTPs,FDPs, Workshop, Seminar, Conferences organized

- 1) FDP on “Emerging Trends in Computer Engineering” for 4 days from 22-06-2020-25-06-20 in DMCE.

Subjects taught at Engineering Degree

Month/Year	Subject Taught(Semester)	Labs Handled
2021-22 AT Ph. D.	Data science	—
From 2012 to 2023 (M. E.)	Parallel Processing	—
	E-Business Technology	
	Distributed Operating System	
	Advanced Operating System	
	Ethical Hacking and Digital Forensics	
	Web Application Security	
	Blockchain	
From 2002 till date	Computer Programming-II	Computer Programming-II
	Microprocessor	Microprocessor
	Advanced Microprocessor	Advanced Microprocessor
	Web technology	Web technology
	Computer Networks	Computer Networks
	Advanced Database Management System	Advanced Database Management System
	System Security	System Security
	Cryptography and system Security	Cryptography and system Security
	Advanced Operating System	DBMS
	Distributed system	Distributed system
	Data Warehousing and Mining	Data Warehousing and Mining

From 2023 in KC	Machine Learning	Machine Learning
	Distributed Computing	Distributed Computing
	Blockchain	Blockchain
	Cyber Security and Laws	Advanced DevOps Lab
	Honours (Data Science in Healthcare)	

Ph. D. Student Supervised

Sr. No.	Area of Research	Status (Awarded / Pursuing)
01	Flood Detection and Impact Assessment using Remote Sensing and Deep Learning Approach	Pursuing

M. E. Students Guided

Sr. No.	Title of Research	Year Status (Awarded)
01	Concept Based Video Retrieval	October 2014
02	Performance Analysis of Content Based Video Retrieval System with Clustering Approach	December 2014
03	A Comparative Study of Hindi Text Summarization Techniques: Genetic Algorithm and Neural Network	July 2015
04	Semantic Multi-Modality Fusion for Video Search	March 2019
05	Video Concept Detection Using Convolutional Neural Networks	June 2019
06	Video Concept detection using Fusion of SVM & CNN	August 2019
07	Two Layer Concept Detection in Video	Oct 2020
08	Generative AI	Pursuing

Responsibilities handled in association with University of Mumbai

- Senior supervisor for examination conducted on behalf of university of Mumbai.
- Member of Syllabus Revision committee for for UG and PG subjects Engineering at University of Mumbai
- Working as a Paper setter for UG and PG subjects of various courses conducted in University of Mumbai.
- Recognition by the University of Mumbai as the Supervisor (Guide) for supervising the **M.E. Dissertation.**
- Recognition by the University of Mumbai as the Supervisor (Guide) for supervising the **PhD students.**

Significant support to College Administration

- Worked as a member of the college website development team.
- Member Institution's Innovation Council(IIC)
- Member of the Grievance committee of college.
- Coordinator of AICTE initiative Student Learning Assessment(SLA -PARAKHA)
- Faculty Coordinator of Google Development Student Club (GDSC)
- Working as a Single Point of Contact (SPOC) of NPTEL Local Chapter.
- Member, NAAC Committee of the Institute as well as the faculty Coordinator for Criterion-II (Student Admission and Result data).
- Member, NBA Committee of the Institute as well as the faculty Coordinator for Criterion-IV.

Significant support to Departmental Administration

- Arranged faculty development program
- Prelim/Oral examination in-charge
- Worked as a Time-Table in-charge
- Handled the responsibility of Class in-charge at various times.
- Worked as Examination coordinator to conduct Internal Assessment of the students.
- Worked as a Project Coordinator at UG level.
- Worked as Laboratory in-charge
- Working as Result Analysis in-charge

Session Chair and Reviewer

- Paper Reviewer in International Conference on Advanced Trends in Engineering (ICATE-2018) held on 6 and 7 th April 2018 in DMCE, Airoli.
- Session Chair in International Conference on Advanced Trends in Engineering (ICATE-2018) held on 6 and 7 th April 2018 in DMCE, Airoli.
- Paper Reviewer in IEEE International Conference on Advances in Computing, Communication and Control (ICAC3'19), Fr. C.R.C.E. Bandra, Mumbai held on 20th and 21st December 2019.
- Paper Reviewer in 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.
- Paper Reviewer in “IEEE International Conference on Emerging Trends in Engineering and Medical Sciences (ICETEMS 2022)”, during 18-19 November 2022, organized by Yeshwantrao Chavan College of Engineering, Nagpur and Datta Meghe Institute of Medical Sciences (DU), Wardha.
- Paper Reviewer in 4 th Springer International conference on Data Engineering & Applications jointly organized by School of Information Technology, Rajiv Gandhi and Oriental Institute of Science & Technology, Bhopal on 23 rd & 24 th December 2022.
- Paper Reviewer in 1 st International Conference on Recent Trends in Multidisciplinary Research and Innovation ICRMIR-23 Organised by Lokmanya Tilak College of Engineering, Koparkhairane, Navi Mumbai On March 17-18, 2023.
- Paper Reviewer in Springer International Conferences on Advances in Computational Intelligence (ICACT-2023) held on 15 th and 16 th December 2023 Organized by MUSREC, Hyderabad, Telangana -India
- Paper Reviewer in 6 th IEEE - International Conference on Advances in Science & Technology (IEEE-ICAST - 2023) organized by K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai.

NPTEL faculty Development Program

- 1 Distributed Systems : 1 st Topper (Elite+ Gold Certificate)
- 2 Database Management System : In 5% Topper (Elite Certificate)
3. Soft Computing: Elite + Silver Certificate
- 4 Deep Learning :Elite Certificate
- 5 Cloud Computing- Elite Certificate
6. Machine Learning- Elite Certificate

7. Learning with Analytics- In 5% Topper (Elite + Silver Certificate)

Courses

1. "Essential Technologies for Business" Professional Certificate by IBM, in collaboration with edX.
2. "Cloud Computing and DevOps ", ExcelR from 6 th Dec 2023 to 26th Dec 2023.



Dr. Nita Patil