

Dr. Sangeeta Mahesh Borde

E-mail: smborde@mitacsc.ac.in

Contact No: 9822055513

Career Objective

To be associated with an organisation which gives me ample opportunity to explore my knowledge and enables me to excel my skills in the direction of the organization's growth and growth in my Professional career. Consistently strive for a challenging and engaging learning environment in which students become lifelong scholars and learners.

Educational professional with **20** years of track record of achievement and demonstrated success at college and institutional teaching.

Professional Experience:

[June 2008 to till date] **MAEER's MIT College of Arts, Commerce & Science, Alandi, Pune.**

- Teaching to UG and PG level.
- Major subjects covered: DBMS, RDBMS, C, C++, Software Engineering, Object Oriented Software Engineering, Data Structure, Distributed Operating System, Python Programming, Software Testing Tools, Data Science, Data Analytics.

[July 2006 to June 2008] **Mahatma Gandhi Mission College, Nanded affiliated to SRTMU, Nanded.**

- Taught both UG & PG level (BCS, BCA and M Sc (Software Engineering))
- Major subjects covered: C Programming, OOP through C++, Java Programming, RDBMS, JSP Servlet.

[June 2005 to May 2006] **Aptech Computer Education, Nanded.**

- Taught UG level (Diploma (IT), BCA)
- Major Subject Covered: SQL Server, Computer Fundamentals, MS-OFFICE

Educational Qualifications:

- Awarded PhD in Computer Science from Satya Sai University of Technology and Medical Sciences, Sehore, Bhopal (M.P) [Dec 2024]
- MCA in Management from Punjab Technical University – Passed with distinction [Sep 2012]
- MSc (Software Engineering) [2004-2006] from Swami Ramanand Tirth Marathwada University, Nanded Maharashtra- Passed with First Class
- BCS [2001-2004] from Swami Ramanand Tirth Marathwada University, Nanded Maharashtra- Passed with First Class with Distinction
- HSC (MSHSCE) [2000-2001]- Passed with Second Class
- SSC (MSSSCE)- [1998-1999]- Passed with First Class

MEMBERSHIP OF PROFESSIONAL BODIES:**Annual member of the Soft Computing Research Society****Enrollment Number: 2025-02-21-1003732725****Book Publications/Patent Publication:**

Sr. No.	Name of Author (s) as in Publication	Book Title	Editor, Publisher and year	ISSN/ISBN No.	No chapter(s) in book.
1	Prof.Sangeeta M.Borde	Programming and Problem-Solving Using Python	Alpha Publication,2022	ISBN: 978-93-95405-53-9	4(2)
2	Prof.Sangeeta M.Borde,Ms.Mane	Innovation, Knowledge & Emerging Technologies in the New Age	Prateeksha Publication		01
3	Prof.Sangeeta M.Borde, Ms.Sukanya Panday.	Landscape of Gender Inequality in Indian Society	Droit Penale Publication	ISBN: 978-81-960555-4-7	01
4	Prof.Sangeeta Borde	IoT and Artificial Intelligence-based Smart Electrical Load transmission, Distribution, Observing and Monitoring System using PLC & Web server.	Application No: 202241016758	Published,2023	NA
5	Prof.Sangeeta Borde	Detecting Botnet Cyber-Attacks in IoT Scenarios using Dynamic Residual Projection of Concept Drift.	Application No: 202241037111	Published,2022	NA
6	Dr.Sangeeta Borde, Dr.Harsh Lohiya	AI-enabled farm Environment monitoring device	Indian Patent, May 2025	In Process	NA

**RESEARCH PAPER PRESENTED/PUBLISHED
(NATIONAL/INTERNATIONAL CONFERENCES/JOURNAL)**

- Prof. Sangeeta M Borde, Dr.Harsh Lohiya, published a research paper on Real-Time Object Detection with Deep: A Brief Review, April 2023 Volume 11, Issue 2, pp. 2496- 2502 in UGC CARE Journal titled “The Online Journal of Distance Education & E-Learning”.
- Prof. Sangeeta .M Borde, Dr.Harsh Lohiya, Published a research paper on “TensorFlow-Powered Real-Time Object Detection for Vehicle, Helmet, And Number Plate Recognition" in Journal of Namibian Studies, 35 (2023): 208-221 ISSN: 2197-5523 (online) Special Issue on Engineering, Technology and Sciences.
- Prof. Sangeeta M Borde, Dr.Harsh Lohiya, published a research paper on “**COMPARATIVE STUDY OF VARIOUS DEEP LEARNING OBJECT DETECTION ALGORITHMS**” in Scopus Indexed Journal titled Semiconductor Optoelectronics, Vol. 41 No. 12 (2022), 1629-1646, ISSN NO: 1001-5868 <https://bdtgd.cn/>
- Prof.Sangeeta Borde, published a Research paper in the International Open Access Journal of Emerging Technologies and Innovative Research on “**SMART TROLLEY WITHOUT BILLING COUNTER IN INDIA**” in February 2019. ISSN UGC Approved Open Access Journal (Journal no: 63975 and 5.87 Impact Factor), ISSN: 2349-5162, Volume 6, Issue 2.
- Prof.Sangeeta Borde,published Research Paper in International Journal of Aarhat Multidisciplinary International Education Research Journal (AMIERJ) on “**SECURITY ANALYSIS OF CRYPTOGRAPHIC TECHNIQUES FOR AUTHENTICATING VM TEMPLATE IN THE CLOUD**” UGC Approved Journal No 48178, 48818, ISSN 2278-5655 [Page No: 129-135], Volume-III, Issue-I Dec-Jan 2018.
- Prof.Sangeeta Borde,Published Research Paper in “Research Review Journals” titled “**USE of ICT to increase efficiency in Agricultural Development: Footsteps towards Rural Development**” e-ISSN: 2455-3085 21-22 DEC 2018 (Impact factor 5.214)
- Published Research Paper in International Journal of Multifaceted and Multilingual Studies on “**CHALLENGES OF BIG DATA PROCESSING AND SCHEDULING OF PROCESSES USING VARIOUS HADOOP SCHEDULERS: A SURVEY**” on 1st December 2016 ISSN (Online):2350-0476, ISSN (Print):2394-207X, Volume-III, Issue-XII.
- Published Research Paper in International Journal of Multifaceted and Multilingual Studies on “**A REVIEW ON SECURITY TECHNIQUES FOR PROTECTING DATA IN CLOUD COMPUTING**” on 1st September 2016 ISSN (Online):2350-0476, ISSN (Print):2394-207X, Volume-III, Issue-IX
- Published Research paper on “**Secure cloud computing through Homomorphic Encryption using RSA algorithm**” in National conference on “Emerging Trend in Computer Science & Application” organized by MIT ACSC, Alandi(D), Pune on 15th January 2016, ISBN-No:978-93-5202-905-1

- Published Research paper on “A Reviewed Paper on- Cryptographic RSA approach to Solve Big Data Security Issues “in National conference on **“Emerging Trend in Computer Science & Application”** organized by MIT ACSC, Alandi(D), Pune on 15th January 2016.
ISBN-No:978-93-5202-905-1
- Published Research Paper in Two days National Level Conference on” Recent Trends in IT & Management” on topic **“Spark: High speed distributed computing made easy with Spark”** on 28th & 29th November 2014, organised by MIT ACSC, Alandi(D), Pune. ISSN No:978-93-5142-843-5 | November 2014| [Page No:138-145]
- Published Research Paper in Two days National Level Conference on” Recent Trends in IT & Management” on topic **“Cloud ERP: Its Benefits & Challenges”** on 28th & 29th November 2014, organized by MIT ACSC, Alandi(D), Pune. ISSN No:978-93-5142-843-5 | November 2014| [Page No:47-52]
- Presented & Published Research Paper in National Level Seminar on Innovative Practices for Active Learning of Social Sciences on topic” **Analysis of integration of ICT and Traditional Teaching in Education** “on 22nd November 2014 organized by MIT ACSC, Alandi(D), Pune.
ISSN No: 2349-9664 November 2014 [Page No:61]
- Presented & Published Paper in National Conference on Hazardous e-waste Management Global in National Journal on topic **“E-waste Management in India” on 23rd December 2013 organized by Modern College, Pune.** ISSN No: 2320-5997 Volume 17 | December 2013 [Page No:56]
- Paper Presented & published in international conference on ongoing Research in Management and IT titled **“Quantitative evaluation by applying metrics to existing Go with other programming language”** at ASM college, Pune. ISSN No: 2320-0065
- Paper published in International Journal on ongoing Research in Management and IT titled **“Quantitative evaluation by applying metrics to existing Go with other programming language”** 11-13 Jan 2013, Vol-1, Issue-2, ISSN No: 2320-0065
- Paper published in” International Journal of Global Research Analysis titled **“Text Mining Framework: Promises and Challenges”** ISSN No:2277-8160 Volume 1| Issue:3|August 2012 [Page No:17-19]
- Paper published in “International Journal of Advanced Computer and mathematical Sciences” of BIOIT Journal titled **“REVEALING THE NEURAL WORKING WITH A RENEWED PERCEPTIVE FOR SOCIAL DEVELOPMENT”** 2011,Vol2, Issue1[page No.100-104]
- Published Research paper on **“Computer Hacking: Threats to Security System”** in International Conference on “Recent Trends in Business, Management and IT” on 24 th April, 2011, Poona College, Pune-4.
- Published Research paper on” **Green Computing: Use Green, Save Green”** in National Conference on “Recent Trends in Computer Science and Information Technology, D.Y. Patil Arts, Commerce and Science College, Pimpri, Pune on 21-23 Feb 2011.

- Published Research paper on **“Green Investment for Greener Tomorrow”** in National Seminar Green Marketing in India opportunities And Challenges on 16th Feb 2011, Bharati Vidyapeeth, Yerandwane, Pune-04.
- Published Research paper on **“Data Mining: The principal approach to analyzing, modeling and interpreting biological data”** in National Seminar on “GENES AND DREAMS” organized by Yashwant Advance Research Centre for Bioinformatics & Biotechnology, Parbhani (Maharashtra) on 27th & 28th Sep. 2008 [page no. 160]

Professional Development:

ONLINE COURSES: (NPTEL/SWAYAM)

- ☐ Completed Python Programming Online Course of MITU Skillologies in April 2020.
- ☐ Completed Eight Week NPTEL online certification course on **“Database Management System”**, by IIT Bombay. Feb-Apr 2019
- ☐ Completed Eight Week NPTEL online certification course on **“PROGRAMMING IN C++”** by IIT Bombay, Feb-Apr 2017.
- ☐ Mentor for the NPTEL Online Certification Course **“INTRODUCTION TO PRAMMING IN C”** during JULY-DEC 2017 SESSION.

WORKSHOPS ATTENDED:

- ☐ Attended two days National Level workshop Series on AI for “COVID-19 outbreak prediction Forecasting, Data Analysis & Data Visualization” on 10th & 11th April, 2020 organized by EduxLabs.
- ☐ Attended “One Day Workshop on R programming, conducted by IIT Bombay” on 9 Nov 2019.
- ☐ Participated in the NPTEL WORKSHOP CONDUCTED ON 29TH NOV 2018 By IIT Madras,at MIT ACADEMY OF ENGINEERING,ALANDI.
- ☐ Attended workshop on Computer Graphics held at Savitribai Phule Pune University dated 17 October 2015.
- ☐ Attended One day State Level Workshop on “BUSINESS INTELLIGENCE & DATA MINNG” organized by MIT Arts, Commerce & Science College , Alandi(D), Pune on 13th December 2014.
- ☐ Attended Two days’ workshop on “cloud-computing Using Amazon Web Services “at MIT college of Engineering, Alandi(D),Pune on 13 December to 15 December 2012.

FDP/STTP/MHRD Attended:

- Completed 6 days Online FDP on “National Education Policy: 2020 and Higher Education in India” conducted from 24th-29th May, 2021, Organized by Dr. N.S.A.M First Grade College, Mangalore.
- Completed 4 days Online Faculty development program on “Research, Funding Projects & IPR” jointly organized by IQAC, R&D CELL & Dept. Of Electronics of K.C College of Engg, Thane from 7th-10th May 2020.

- Completed 5 days Online STTP on **“Recent Trends and Applications of Machine Learning and Deep Learning in IT”** organized by the Dept. Of IT , RAIT, Navi Mumbai from May 25,2020 to May 2020.
- Completed Online FDP on **“R Programming”** organized by JSPM’S Rajarshi Shahu College of Engg, Tathwade, Pune-4 during 23rd April-28th April 2020.
- Completed 1 week National Level FDP and Online Training on **“LaTex”** organized by Sanjay Ghodawat University, Kolhapur in association with Spoken Tutorial Project,IIT Bombay(27th April to 2nd May 2020)
- Completed one week National Level FDP and Online Training on **“Drupal”** organized at Vidya Pratishthan's Arts Science & Commerce College, Baramati. in association with Spoken Tutorial Project,IIT Bombay(January 2020)
- Completed in 2 days workshop on **Cyber Security”** on 8th-9th June 2020,Organized by Shri Venkateswara College of and Technology in association with Indian Servers. Engg.
- Completed one week FDP on**”Modern Educational Tools and Pedagogical Practices for online Teaching”** organized by VIT,Mumbai from 21 June-25 June 2020.
- Completed One week online FDP on **“Usage of Technology in Covid-19”** organized by Dept.of IT,Terna Engg.College,Nerul Navi Mumbai in association with L&D Technologies Pvt.Ltd Pune from 28th May 2020 to 2nd June 2020.
- Participated in One Week Short Term Training Program on **“MACHINE LEARNING & DEEP LEARNING TECHNIQUES”** College on **“INNOVATIVE TOOLS IN TEACHING”** in 17th -22th June 2019 organized by School of Computer Engineering & Technology,MIT Academy of Engineering,Pune In association with Eduxlabs & National Social Summit (NSS) IIT Roorkee.
- Completed an AICTE approved Faculty Development Programme(FDP101X) on **“Pedagogy for Online and Blended Teaching-Learning Process”** conducted by Indian Institute of Technology Bombay from May,3-2018 to May 30,2018.
- Completed an AICTE approved Faculty Development Programme(FDP201X) on **“Foundation Program in ICT for Education ”** conducted by Indian Institute of Technology Bombay from March 8,2018 to April 12,2018.
- Attended One day FDP on **“DUTIES AND RESPONSIBILITIES OF CITIZENS TOWARDS POLICE DEPARTMENT”** organized by MIT ACSC,Alandi(D),Pune on 28th Nov. 2018.
- Attended Two days National Conference on **“INNOVATIONS AND DEVELOPMENT IN COMPUTATIONAL AND APPLIED SCIENCE”** organized by MIT ACSC,Alandi(D),Pune on 21st and 22nd December 2018.
- Completed Three days FDP on **“HOW TO MAKE YOUR OWN OPERATING SYSTEM- Linux** from 8th to 10th June, 2017 at Department of Information Technology P.E.S’s Modern College of Engineering, Pune.

- Attended one week State level faculty development program on “Big data Hadoop Analyst” organized by MIT Academy Of Engineering Alandi(D),Pune on 25 th April to 29 th April 2016.
- Attended One day National Level Seminar on ” INNOVATIVE PRACTICES for ACTIVE LEARNING OF SOCIAL SCIENCES” organized by MIT Arts, Commerce & Science College , Alandi(D), Pune on 22nd November 2014.
- Attended Two days National level Conference on “RECENT TRENDS IN IT & MANAGEMENT”, organized by MIT Arts, Commerce & Science College, Alandi(D), Pune on 28th & 29th November 2014.
- Attended Half Day Faculty development workshop and Carrier opportunities in IT Sectors at MMCC college, Behind Fergusson college,Pune.
- Attended one day workshop on Newly Revised syllabus of F.Y BCS at D.Y.PATIL College, Pimpri, Pune.
- Attended Two day IIIrd National conference on Engineering Applications of Mathematics on the dated 22, 23 May 2009 at MAEER’S MAE, Alandi (D), and Pune.

❑ Examination Duties

- ❑ Worked as practical examination coordinator for the March/April 2025 practical examination for BSC(CS), MSC(CS), BSC(AI/ML), and BSC(IT) courses from 03 March 2025 to 30 April 2025.
- ❑ Worked as an Examiner & Paper checker for various Programs MSC(IMCA), SYBSC(CS), SYBSC(CDS), TYBSC(CS) for the subjects Software Engineering, Software Testing Tools, Database Management System, Object Oriented Programming (C++) etc subjects at SPPU,Pune.
- ❑ Worked as Chairperson & paper setter for various courses & subjects such as FYBSC(CDS), FYBSC(CS), SYBSC(IT), MSC(CS), Database Management System, Problem Solving & C Programming, DBMS, Mobile Technologies respectively.
- ❑ Worked as a member for the syllabus restructuring committee at SPPU, Pune, for the subject Data Science with Python Programming, Emerging Technologies, Python Programming Subject.
- ❑ Worked as Program Coordinator for the Autonomy Syllabus Designing Committee for the Programs- MSC(CDS) & BSC(CDS) from 2023-2024 at MIT ACSC, Alandi(D), Pune.
- ❑ Worked as External Examiner for Practical Examination in **T.Y.B.SC(Comp.Sci) Lab Course II(java I & II AND Computer Graphics Mini Project)** at College Of Commerce, Science and Information Technology From 13/03/2020 to 14/03/2020.
- ❑ Worked as External Examiner for **T.Y.B.SC(Comp.Sci) Lab Course III** for Practical Examination in Genba Sopanrao Moze Arts,Commerce & Science [B.C.S] College. From 17/03/2019 to 18/03/2019.
- ❑ Worked as Asst.Director (Central Assessment Programme) for F.Y.BSc March/April 2018 Theory Examination

- ❑ Worked as Asst. Director (CAP) for F.Y.B.Sc (Computer Science) March/April 2011 Theory Examination.
- ❑ Worked as Sr. Supervisor for Theory University Examinations of BSC(CS) and B.Com from 8th oct 2013 to 25th oct 2013.
- ❑ Appointed as member of Examination (Paper setter) for (OCT/NOV 2012) S.R.T.M. U University for the Subject: Computer Technology paper No III of M.Sc/MA Electronic Media First Year Ist Sem.

EVENT/PROGRAM ORGANIZED:

Organized various guest lectures & Events for the students during the curriculum & as a part of extracurricular activities; it will help to boost their skills during every academic session. (will produce a list if demanded).

- ❑ Organised 2 2-day workshop on “YOGA AND MEDITATION” for faculties for relaxation of mind on 24 Oct 2016-25 Oct 2016
- ❑ Organized “One week Teachers Training Program on Advanced Computer Applications” for Shri Sant Dyaneshwar School, Alandi(D), Pune from 25 Oct 2018 to 1 Nov 2018.
- ❑ Organized 10 days Certificate Course for students and Faculties on “**Research Methodology – It’s Applications**” jointly organized by Department of Computer Science and R&D Cell. (Course Duration-12 Jan 2021 to 23 Jan 2021)
- ❑ Organized one day National Level Online webinar on “Illumination Invariant Features in Image Processing and Applications in Video Tracking” at MIT ACSC, Alandi on 3rd June 2020.
- ❑ Worked as Village Incharge for Charoli (Khurd) Village in Unnat Bharat Abhiyan Committee since 2018. Under UBA various programs were arranged for the development of village.
- ❑ Organized Activity “Enlightening Little Angels for ZP School students at Charoli(Khurd)in August 2019 on the topic related to study, self-development, goal setting, problem solving and motivation.
- ❑ Organized “Plastic Free Village” a street play activity for Charoli (Khurd) villagers under Unnat Bharat Abhiyan to inspire the people in SWACCHATA ABHIYAN dated 21/09/2019.
- ❑ Worked as Coordinator and member for the various events held at Intercollegiate level and College Level (Science Week, M-Pulse, Afflatus Group viz.)

Other Professional Activities:

- ❑ Working as a Coordinator for the Faculty Development Program Committee at the College Level.
- ❑ Working as a Coordinator of Prakriti Club (Computer Science Departmental Club) since 2019. Under the Prakriti Club, various programs are arranged for students to maintain physical fitness and be mentally strong. It will also provide an opportunity to demonstrate their unique skills and help other students in learning it.
- Akash Kandil” Making Competition and Workshop” (3 Nov-11 Nov 2020)
- " Online Yoga Session for All” (26 Dec 2020)
- “Video making competition on Yoga Asanas” (14 May -20 May 2020) & many more till date.

- ☐ Working as a Member of various college-level committees: Worked as a member of FDP (Faculty Development Program), NAAC Criteria-II, Alumni Committee, Nadbrahma Committee, Cultural Committee Discipline Committee, Village In charge of UBA committee since 2018.
- ☐ Worked as a judge for various college-level cultural events.
- ☐ Worked as a Reviewer for 2 days for State level Research paper competition during the intercollegiate event Scifari 3.0.
- ☐ Worked for India Today Ranking, Best College Award, and NIRF Ranking at college level.
- ☐ Worked as Co-Convener for the National Conference on **“INNOVATIONS AND DEVELOPMENT IN COMPUTATIONAL AND APPLIED SCIENCE”** organized by MIT ACSC, Alandi (D), Pune on 21st and 22nd December 2018.
- ☐ Worked as Judge for **“Role plays Competition”** on 03/01/2019 Under Sukanya Manch in MIT ACSC, Alandi(D), BA/BCOM Department
- ☐ Worked as Judge for **“Speech Competition at “Library Week-Reading for Leading Jointly organized by Library Department and NSS”** on Jan 2018 at MITCSC, Alandi (D).
- ☐ Worked as a Chairman for Computer Lab stock verification Committee in 2013.
- ☐ Served as Associate Editor for **“International Journal of Advanced Computer and Mathematical Sciences”** of BIOIT Journal since Jan 2010.
- ☐ Worked as a Member for Library Stock Books Verification in 2009.
- ☐ Guiding, Orienting and Mentoring students to participate on various intra-college and inter-college **co-curricular** and **extra-curricular** activities.
- ☐ Organized various **Expert Lectures** for students and faculties (Responsible for coordinating with industry people and arranging a lecture)
- ☐ Received **Best Reader Award in 2021-22 & 2022-23** at MIT Arts,Commerce & Science College,Alandi(D),Pune
- ☐ Received **Best Teacher award in 2023** at MIT Arts,Commerce & Science College,Alandi(D),Pune

Personal Profile:

Name	: Mrs. Sangeeta Mahesh Borde
Gender	: Female
Date of Birth	: 05-Feb-1984
Marital Status	: Married
Nationality	: Indian
Languages Known	: English, Marathi and Hindi
Address	: Flat No.706, A-Wing,Alankapuram-II, Wadmukhwadi,Alandi Road, Pune-412105.

I hereby declare that the above information provided is true to the best of my knowledge and belief.

Dr. Sangeeta Mahesh Borde

Date:05-05-2025,Pune.