

Name of Teaching Staff:	Sejal Ameya Kadam	
Designation:	Assistant Professor	
Department:	Electronics & Telecommunication Engineering	
Date of Joining the Institution:	27.07.2009	
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ReserchGate Profile:	Citations: 15, h-index: 1	
Researchgate Link:	https://www.researchgate.net/profile/Sejal-Kadam	
ORCID:	https://orcid.org/0000-0003-4092-0197	
Publons Researcher ID:	https://publons.com/researcher/DBT-6644-2022	
Vidwan ID:	302915, Profile Score: 7.3	
Qualifications with Class / Grade:	1. B.E. - Electronics & Telecommunication Engineering from University of Mumbai in June 2001, First class 2. M.E. – Electronics & Telecommunication Engineering from University of Mumbai in April,2009, First class with Distinction.	
Total Experience in Years:	Industry: 1 year 8 months Ultima Solutions Pvt. Ltd. (Industry), Service Co-ordinator, January 2002-August 2003 Teaching: 21+ years Rajiv Gandhi Institute of Technology, Lecturer in Electronics & Telecommunication Engineering department, September 2003-December 2003. Shah & Anchor Kutchhi Engineering College, Lecturer in IT department, January 19,2004- July 24,2009, UGC Approved CONCOL/SA/291 of 2007 dtd. 4/1/2008. D. J. Sanghvi College of Engineering, Lecturer in Electronics department, July 27,2009-June 30,2010, UGC approved CONCOL/SA/1337/2010 dtd. 8th April 2010. D. J. Sanghvi College of Engineering, Assistant Professor in Electronics department, July 5,2010- December 11,2023, UGC Approved CONCOL/SA/675/2011 dtd. 8th February 2011. D. J. Sanghvi College of Engineering, Assistant Professor in Electronics & Telecommunication Engineering department, December 12,2023- till date.	
Paper publications:	[1] Sejal Kadam & Shoba Krishnan, “Time slot Assignment Scheduling of Optical switches”, National Conference on Emerging trends in Computers, Communication and Information Technology ‘EC2IT’ at K. J. Somaiya college of Engineering, Vidyavihar, Mumbai, India on March 20-21, 2009 [2] Sejal Kadam & Shoba Krishnan, “Scheduling of Optical Packet Switches”, International conference on communication, computers & Instrumentation 2009, (ICCCI’09) organized by Vivekananda Education Society’s Institute of Technology, Mumbai, India on 02/01/2009 & 03/01/2009 [3] Sejal Kadam, Amit A. Deshmukh, K. P. Ray and A. Kadam , “Modal Analysis of Broad and Dual Band Slot cut Rectangular Microstrip Antennas”, Proceedings of APSYM – 2010, Dec 2010, CUSAT, Kochi, India. [4] Sejal Kadam, Amit A. Deshmukh, K. P. Ray and A. Kadam, “Broadband proximity fed Rectangular Microstrip Antenna Array”, Proceedings of APSYM – 2010, Dec 2010, CUSAT, Kochi, India.	

	[5] Sejal Kadam, Amit A. Deshmukh, K. P. Ray and A. Kadam, “Broadband Circular Microstrip Antennas”, Proceedings of APSYM – 2010, Dec 2010, CUSAT, Kochi, India. [6] Sejal Kadam, Amit A. Deshmukh, K. P. Ray and A. Kadam, “Broadband Proximity Fed Modified E-Shaped Microstrip Antenna”, Proceedings of NCC – 2011, 28 – 30 Jan 2011, IISc Bangalore, Bangalore, India. [7] Sejal Kadam, “Optical Data Scheduling via Optical Packet Switches with Reconfiguration Delay”, National Conference on Communication Technology (NCCT 2011), organized by DJSCOE, Mumbai, India on 14/10/2011 & 15/10/2011 [8] Sejal Kadam, Amit A. Deshmukh, K. P. Ray, M. V. Parulekar, and Ameya Kadam, “Broadband Proximity fed Hexagonally arranged Rectangular Microstrip Antenna Array”, Proceedings of ICMARS – 2011, 7 – 9th December 2011, Jodhpur, Rajasthan, India. Won first prize in Technical session of Microstrip Antenna & Processing [9] Sejal A. Kadam and A. Kadam “Design of a Microstrip-Fed Quad-Band Slot Antenna for WLAN/WiMAX Application”, International Journal of Computer Applications (ISSN 0975 – 8887) [10] Sejal Kadam and A. Kadam “Circularly Polarized Meta surface Antenna Excited by Linearly Polarized CPW-fed Slot Antenna”, International Journal of Computer Applications (ISSN 0975 – 8887) [11] Sejal Kadam and A. Kadam “Circular Slot Loaded Miniaturized Triple-band Antenna for WLAN/WiMAX Applications”, International Journal of Computer Applications (ISSN 0975 – 8887) [12] Poster presentation on “Design of multiband rectenna for RF energy harvesting”, ICCICT 2021, SPIT, Mumbai, 25/06/2021-27/06/2021
Professional Memberships:	Life Member of Indian Society of Technical Education (ISTE) LM 47708
Awards/Recognition:	➤ Recognised as NPTEL Discipline Star Jan-April 2022 ➤ Recognised as NPTEL Discipline Star July-December 2025 https://nptel.ac.in/nptelStars/DisciplineStars.html ➤ Top 2% in “Antennas” 12-Week NPTEL course January-April 2020 ➤ Top 2% in “Microwave Theory & Techniques” 12-Week NPTEL course July-November 2020 ➤ Best Paper Award for paper “Broadband Proximity fed Hexagonally arranged Rectangular Microstrip Antenna Array” at International Conference on Microwave and Remote Sensing (ICMARS-2011) organized by International Centre for Radio Science, Jodhpur, Rajasthan. ➤ Consolation Prize at 19th Aavishkar: Inter-Collegiate/ Institute/ Department Research Convention (Final Round) organized by University of Mumbai on December 24, 2024 for research project titled “Energy efficient millimeter wave hybrid massive MIMO system with low resolution ADCs & Mixed ADC architecture”.

Industrial/Professional Training:	➤ Attended MHRD/AICTE Summer school programme on "NBA Accreditation, Institution Building, performance Appraisal and staff development"-23/06/2008 to 27/06/2008 organized by National Institute of Technical Teacher's Training and Research, Bhopal ➤ Actively participated in IEEE student Branch counselor meet & WIE Meet 2012 conducted at Fr. C. Rodrigues college of Engineering, Bandra, on 11th August 2012 organized by IEEE Bombay section. ➤ One-day workshop under TEQIP on “Outcome based education and accreditation for the faculty members of technical educations” organized by NBA, Delhi on 7th September,2014 at VJTI, Mumbai. ➤ Mumbai University Credit course of 30 Hrs. (2 Credit) on Research Publications & Ethics, 15 Nov 2021 to 30 Nov 2021 ➤ Successfully completed IIT Kanpur Research school on Python/Matlab and NYUSIM for Machine Learning (ML) in 5G mmWave MIMO Technology,11 Oct-28 Oct 2021 ➤ AICTE organized 5-Day FDP on “Inculcating UHV in Technical Education”, 31/10-2023-04/11-2023 ➤ AICTE organized 6-day Online UHV-II FDP, 27/05/2024-01/06/2024 ➤ IBM Teach the Trainer (T3) Training AIML Stream: <table border="1" data-bbox="376 902 1466 1256"> <thead> <tr> <th>Dates of Training</th><th>Course Name</th></tr> </thead> <tbody> <tr> <td>18 Nov - 20 Nov 2019</td><td>Python Programming</td></tr> <tr> <td>22 Nov -24 Nov 2019</td><td>Introduction to AIML</td></tr> <tr> <td>28th June to 2nd July 2020</td><td>Applied Statistics</td></tr> <tr> <td>22nd July to 26th July 2020</td><td>Machine Learning</td></tr> <tr> <td>26 Nov-30 Nov 2020</td><td>Deep Learning</td></tr> <tr> <td>21 Dec-24 Dec 2020</td><td>Computational linguistic & Natural language processing</td></tr> <tr> <td>7 June – 11 June 2021</td><td>Pattern & Anomaly detection</td></tr> </tbody> </table>	Dates of Training	Course Name	18 Nov - 20 Nov 2019	Python Programming	22 Nov -24 Nov 2019	Introduction to AIML	28th June to 2nd July 2020	Applied Statistics	22nd July to 26th July 2020	Machine Learning	26 Nov-30 Nov 2020	Deep Learning	21 Dec-24 Dec 2020	Computational linguistic & Natural language processing	7 June – 11 June 2021	Pattern & Anomaly detection
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Courses/Events Organised:	➤ Co-cordinator of one-week ISTE approved STTP on “Microwave & Antennas” organized by EXTC & Electronics department on D. J. Sanghvi College of Engineering during January 10th,2011 to January 14th,2011. ➤ Co-cordinator of National Conference on Communication Technologies organized by EXTC department jointly with Electronics & Biomedical department of D. J. Sanghvi college of Engineering on 14th & 15th October 2011																

Resource Person/ Interaction with outside World:	➤ Resource person in the STTP on “Digital Signal Processing with Image Processing” held during July 9- July 13, 2012, jointly organized by ISTE SAKCEC chapter & Department of Electronics Engineering of Shah & Anchor Kutchhi Engineering College, Chembur, Mumbai. ➤ Judged-MSBTE sponsored State Level Paper Presentation Competition -State level paper presentation competition on "Emerging trends in Electronics and Instrumentation" on 11th February 2015 ➤ Judged technical paper presentation competition – ICWET 2017 on 24th February 2017 at Thakur college of Engineering & Technology, Kandivali, Mumbai. ➤ Judged AI-Powered IOT HARDWARE HACKATHON, PERIPHERATHON 1.0 - 2023: An AICTE-IDEA LAB & AICTE-SPICES sponsored event conducted on 20th April 2023, SPIT, Mumbai. ➤ Mumbai University Syllabus setting committee for Electronics & Computer Science branch. ECC 501 Communication Engineering (Theory and Lab) for BE Electronics and Computer Science (Semester V) ECC DO701 Image Processing (Theory and Lab) for BE Electronics and Computer Science (Semester VII)
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MOOC/FDP Courses,
Workshop Attended:

NPTEL: (18 courses, 180 Weeks, FDP- 124 Weeks)

- Computational Science & Engineering using Python (12 week)
- Fundamentals of wavelets, filter banks & time frequency analysis (12 week)
- Microwave Theory & Techniques (12 week)
- Antennas (12 week) (FDP)
- The Joy of Computing using Python (12 week) (FDP)
- Effective Engineering Teaching In Practice (4 week) (FDP)
- Millimetre wave technology (8 week)
- Learning Analytics (12 week) (FDP)
- Fundamentals of MIMO Wireless Communication (8 week) (FDP)
- Python for Data Science (4 week) (FDP)
- Principles of Communication Systems-I (12 week)
- Signal processing for mmwave communication for 5G & beyond (12 week) (FDP)
- Principles of signal estimation for MIMO/OFDM wireless communication (12 week) (FDP)
- Applied Linear Algebra for Signal Processing, Data Analytics and Machine Learning (12 week) (FDP)
- Simulation of Communication Systems Using Matlab (12 week) (FDP)
- OBE & Accreditation (12 week) (FDP)
- Real-Time Digital Signal Processing (12 week) (FDP)

Coursera: (27 courses)

- Machine Learning for All
- Basic data descriptors, statistical distributions & applications to business decisions
- Data Science Math Skills
- Introduction to data analysis using excel
- Mathematics for machine learning
- Programming for everybody (Getting started with python)
- Python Basics
- Python data structures
- Linear Circuits
- Business Applications of Hypothesis Testing and confidence interval estimation
- Introduction to satellite communication
- Python Functions, Files, and Dictionaries
- Python programming essentials
- Learning to Teach Online
- Organisational Behavior- Know your people
- Wireless Communications for everybody
- Advanced Instructional Strategies in the Virtual Classroom
- Python and statistics for financial analysis
- Design and Simulate Smart Home Networks in Packet Tracer
- Understanding Research Methods
- AI for Everyone
- What is Data Science?
- Algebra: Elementary to Advanced - Equations & Inequalities
- Introduction to TCP/IP
- 5G for Everyone
- Introduction to AI for Beginners
- AI fundamentals with Claude

AICTE FDP/ISTE approved STTP	➤ Completed Python 3.4.3 training offered by the Spoken Tutorial Project, IIT Bombay ➤ Completed one week online FDP on ‘Scilab’ offered by the Spoken Tutorial Project, IIT Bombay from 26th – 30th May 2020. ➤ One day seminar on ‘Embedded Systems’ on 11th September 2004 at Thadomal Shahani Engineering College, Bandra ➤ ISTE approved Two Week STTP on ‘Digital Signal Processing’ & its applications’ during 9th May to 20th May 2005 organized by S. P. College of Engineering, Andheri ➤ Two days seminar on Challenges Ahead in Telecommunication from October 7th, 2005 to October 8th 2005 at D. J. Sanghvi College of Engineering, Vile-Parle ➤ ISTE approved Two Week STTP on ‘Signal processing and Communication Engineering’ during December 10, 2007 to December 20,2007 organized by D. J. Sanghvi College of Engineering, Vile-Parle ➤ ISTE approved Two Week STTP on ‘Digital Signal & Image Processing with Applications using MATLAB’ during January 5, 2009 to January 16, 2009 organized by Thadomal Shahani Engineering College, Bandra ➤ One-day workshop on SEQUEL simulation\Reconfigurable hardware Lab on 3rd September,2011 conducted jointly by Virtual Labs (Electronics), IIT Bombay and K. J. Somaiya College of Engineering, Vidyavihar ➤ FDP On Active Teaching Learning strategies using innovative technology organized by faculty of Applied Sciences & humanities, DJSCE, on 25 & 26 February 2019 ➤ FDP on Role of faculty in accreditation, Ranking & Quality Education organized by Shobhaben P. Patel school of Pharmacy & Technology management, 23-25 April 2019 ➤ AICTE ISTE approved STTP on Recent trends & development in modern antennas, RF & microwave systems, 1-6 July 2019 ➤ FDP on Improving Teaching Learning Experience using Best Practices, 15 June-19 June 2020 ➤ AICTE approved STTP on Recent Advancements of Computational Electromagnetics in Modern Microwave Antennas, 23 Nov - 28 Nov 2020 ➤ STTP TEQIP-3 on Evolution of RF Electromagnetics from Microwave to mmWave Technologies, 19 Dec-23 Dec 2020 ➤ ATAL FDP on Internet of Things: Concepts and Implementation, 13-17 December 2021 ➤ AICTE approved STTP on Blockchain & Its Applications (Multiphase) (Phase IV), 16 August-21 August 2021 ➤ AICTE organised FDP on Inculcating UHV in Technical Education, 31 Oct-4 Nov 2023 ➤ AICTE sponsored ATAL FDP on Semiconductor Digital System Design and Verification,11 Dec-16 Dec 2023 ➤ AICTE organized 6-day Online UHV-II FDP, 27 May-01 June 2024 ➤ ATAL FDP on Crossroads of AI & Signal Processing, 27 Jan- 01 Feb 2025
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Academic Contribution:	➤ Subjects Taught/Teaching <u>UG Level:</u> Basic Electrical & Electronics Engineering Analog & Digital Communication Digital Signal Processing Basic Electrical Engineering & Digital Electronics Digital Image Processing Embedded Systems Digital Electronics Microprocessors Microcontrollers Principles of Communication Systems Filter Theory & Applications Wireless Communication <u>IBM Courses:</u> Python Programming Machine Learning Deep Learning Pattern & Anomaly Detection
Institute/Department Responsibility handled:	➤ NIRF Core Committee Institute Level Co-ordinator ➤ NAAC Criteria 2 Department Level committee member ➤ NBA Criterion 1 Institute & department committee member ➤ Admission Committee member ➤ Timetable Co-ordinator (July2013-June 2024) ➤ Brand Management Committee Member (2017-18 – Till Date) ➤ ISTE-DJSCE Chapter Member (2017-18 – Till Date) ➤ Discipline Committee Member (2016-17 onwards- Till Date) ➤ Student Mentor (2010- Till Date) ➤ BE Class Teacher (2021-22 & 2022-23 (Sem VIII)) ➤ SE Class Teacher (2010-11, 2011-12, 2012-13,2019-20) ➤ CAP Co-ordinator (2013-14) ➤ IEEE Brainwaves (DJSCE-Student Chapter) Branch Counsellor (2011-12 & 2012-13) ➤ Institute Placement Committee member (2012-13) ➤ Communication & Signal Processing Lab-In charge (Electronics department) ➤ FE Div-B Class Teacher (2011-12) ➤ Learning Management System MOODLE Team (2010-11) ➤ Publication & Website Development Committee Member (2010-11)