

Namita Agarwal



Profile Summary:

An experienced engineering educator with over 25 years of experience in teaching, academic leadership, and institutional development. Has served as Head of Department, leading curriculum planning, faculty development, and strategic academic initiatives. Also played a key role in managing and coordinating NBA and NAAC accreditation processes, ensuring regulatory compliance, quality assurance, and continuous improvement. Actively associated with universities and professional bodies for syllabus design, curriculum restructuring, and paper setting, ensuring alignment with industry standards and academic goals. Consistently upgraded knowledge through professional certifications, training programs and faculty development initiatives. Passionate about knowledge sharing, through workshops, seminars, and guest lecturers to build academic capacity and mentor peers and students alike. Committed to nurturing industry-ready graduates through outcome-based education and student-centered learning.

Designation: Assistant Professor (Electronics and Telecommunications)

IDs

- Google Scholar Link:
https://scholar.google.com/citations?hl=en&user=DqOidoAAAAJ&view_op=list_works&authuser=2
- LinkedIn URL:<https://www.linkedin.com/in/namita-agarwal-6118142b/>
- VIDWAN ID: 456901
- Orcid ID: <https://orcid.org/0000-0002-9289-9679>

Educational Details

Sr. No.	Degree	Board / Institution / University	Year
1	M.E (Electronics and Telecommunication Engineering)	University of Mumbai	2012
2	BE (Electrical Engineering)	Pt. Ravishankar Shukla University, Raipur (M.P)	1995

- Post Graduate Diploma in Computer Applications (PGDCA)- MCRPVV, Bhopal (M.P)
- Post Graduate Diploma in Operation Management (PGDOM)- IGNOU, New Delhi
- Post Graduate Diploma in Management (PGDIM) - (IGNOU), New Delhi

Date of Joining DBIT: August 01, 2001

Area of Specialization: Communication Engineering

Teaching Experience in DBIT:

Sr. No.	Position Held	Dates (From-To)
1	Assistant Professor	Jan 2013 till date
2	Senior Lecturer	April 2008 to Dec 2012
3	Lecturer	August 2001 to March 2008

Total Teaching Experience:

Sr. No.	Institution	Dates (From-To)	Designation
1	Lokmanya Tilak college of Engineering, Navi Mumbai	August-2000 to March-2001	Lecturer
2	Raipur Institute of Technology, Raipur.	March-1998 to November-1999	Lecturer
3	St. Vincent Palloti College ,Raipur	August-1997 to February-1998	Lecturer
4	Jetking Hardware Institute, Raipur	August-1995 to April-1997	Lecturer

Peer Reviewed Journal Papers

- Roni Thomas, Amanda Joseph, Redalia D'Souza, Aishwarya Kadam , Namita Agarwal published a paper titled "Geo Mapping and Analysis of Alumni Data (with Full Stack Web Development) in International Journal of Emerging Technologies and Innovative Research , Volume 8, Issue 6, 2021.
- Sohan Juvele , Mansi Nikam , Sagar Virkar, Aditya Singh, Namita Agarwal "Index modulation for 5G networks", International Journal of Emerging Technologies and Innovative Research, ISSN:2349-5162, Vol.6, Issue 5, page no. pp188-194, May 2019.
- Namita Agarwal, Shikha Nema, "Space Time Coding Techniques: A Review", International Journal of Engineering Research and Technology (ISSN 2278 – 0181), Vol.1, Issue 6, 2012.

Peer Reviewed Conference Papers

- Anuj Dhumal, Shivam Sharma, Vivek Kamble, Namita Agarwal presented a paper titled "Design of Web Based Student Information System" at the National Level Student Conference IEEE TECHNICOKNOCKDOWN-2024 organised by Sinhgad Institute of Technology, Lonavala on 20 April 2024.

- Poonam Chakraborty, Namita Agrawal, Madhavi Pednekar presented a paper titled “Breaking the Glass Ceiling - A New Way” in National Conference on ‘Gender Bias in Technology’, Auro University, Surat, March 8-9, 2021.
- Sohan Juvele, Mansi Nikam, Sagar Virkar, Aditya Singh and Namita Agarwal presented a paper on “Performance Analysis of Index Modulation” in Elsevier International Conference on Communication and Information Processing (ICCIP-2019) on May 17-18, 2019, Pune, India.
- Sohan Juvele, Mansi Nikam, Sagar Virkar, Aditya Singh, Namita Agarwal, "Index Modulation in 5G Networks" in 4th International Conference on "Recent Advances and Challenges in Engineering and Management" (RACEM 2019), Vidyalankar Institute of Technology, Mumbai, March 29-30, 2019 (Received the Best paper Award)
- Namita Agarwal, “Spatial Modulation Technique: Achievements and Challenges” ,International Conference on Computing, Communication and Signal Processing (ICCASP-2018) at Dr. Babasaheb Ambedkar Technological University, January 26-27, 2018.(Published in Springer).
- Cassandra Dsouza , Dhanashree Rane , Anjanette Raj , Supriya Murkar and Namita Agarwal, “Design of Child Security System”, Third International Conference for Convergence in Technology(I2CT), April 7-8, Pune 2018.
- Namita Agarwal, Anosh Iyer, Snedden Rodrigues ,SonalakshiNaidu , “Electronic guidance system for the visually impaired — A framework” , International Conference on Technologies for Sustainable Development (ICTSD), Mumbai, 2015.
- Namita Agarwal, Karen R, Aparna N, Clinton F, Riana P, “Inter Carrier Interference (ICI) Cancellation Schemes in Orthogonal Frequency Division Multiplexing (OFDM)”, National Conference on Signal Image Technology and Applied Communication Systems (SITAC-2013), Pune, 2013.
- Namita Agarwal, Shikha Nema, “Performance Analysis of Alamouti Scheme in Rayleigh Channel”, International Conference on Communication, Information and Computing Technology (ICCICT) ,Mumbai , 2012.
- Namita Agarwal, Shikha Nema, “Spatial Multiplexing Techniques For MIMO Systems” , International Conference on New Developments & Challenges in Engineering, Technology and Management (ICNDCETM-2012),Mumbai, 2012.
- Namita Agarwal, Shikha Nema, “Spatial Modulation Techniques for MIMO Systems”, International Conference & Workshop on Emerging Trends in Technology (ICWET-2012), Mumbai, 2012.

Books/Chapters Published:

- Namita Agarwal, Spatial Modulation Technique: Achievements and Challenges”, Springer Book on Computing, Communication and Signal Processing (ICCASP2018), Advances in Intelligent Systems and Computing, Chapter No: 46 DOI:10.1007/978-981-13-1513-8_46 (UGC Journal No. 49365, ISSN: 2194-5357).

STTPs/FDPs/Workshops Organized:

- Member of the organizing team for the Faculty Orientation Programme on behalf of University of Mumbai University of Mumbai Syllabus Drafting Committee(R-2019,C-Scheme) for the course “Computer Communication Networks” (Sem-VI) on January 14, 2022.

- Member of the organizing team for the Faculty Orientation Programme on behalf of University of Mumbai University of Mumbai Syllabus Drafting Committee(R-2019,C-Scheme) for the course “Principles of Communication Engineering” (Sem-IV) on July 07,2021.
- Member for the organizing team for Faculty Orientation Programme on behalf of University of Mumbai for the course “Principles of Communication Engineering” on February 15, 2021.
- Co-coordinator of Two-day Training programme on “Wireless Communications” in March13-14, 2013.
- Co-coordinator of ISTE approved one week Short Term Training Programme (STTP) on “Latest Trends in Signaling Systems” from November23-27, 2009.
- Conducted the Faculty Interaction Programme for Electronics Instrumentation for faculty members on behalf of University of Mumbai, on July 24, 2008.

STTPs/FDPs/Workshops Attended:

2024-25:

- Attended “IP Awareness and Training Program” organized by Intellectual Property Office on Aug 06,2024
- Attended a One Week workshop on "Emerging Significance of Artificial Intelligence in Biomedical, Industry 5.0,Cyber Security & Data Forensics", organised by VPM's Maharshi Parshuram College of Engineering, Velneshwar in association with Indian Society for Technical Education, New Delhi between 26th - 31st August, 2024.
- Attended One Week National Faculty Development Programme on “Mastering Life Management” organised by BSIET , Kolhapur during Sept 19-23,2024
- Attended a seminar on Role of AI in IOT and Semiconductor Technologies organized by VPM's Maharshi Parshuram College of Engineering, Velneshwar on Sept 23, 2024.
- Attended a “One week International Level Faculty Development Program on AI Innovations and MATLAB Solutions” organized by Pimpri Chinchwad College Of Engineering &Research, Ravet in association with Design Tech and MathWork India from Sept 23-27,2024.
- Attended a webinar on “The Evolution of Optical Fiber Communication: Unlocking Innovation and Growth” organized by VPM's Maharshi Parshuram College of Engineering, Velneshwar on February 6, 2025.
- One week National Level FDP on “Revolutionizing Engineering Education with AI:ML,DL and Generative AI organized by PCCOE, Pune from March 24-29,2025.

2023-24

- Faculty Knowledge Sharing Programme at ICFAI Business School on “Creating Robust Teacher-Student Relationships for Optimum Learning Outcomes” Mumbai on 26 July 2023.
- Webinar on “Role of Microwave Engineering in Telecommunication Sector” organized by VPM's Maharshi Parshuram College of Engineering, Velneshwar on 12 August 2023.
- Webinar on Public Administration and AI: Future Directions Webinar organized by BVICAM , New Delhi on 07 September 2023.
- Investor Awareness Program on Financial Planning organized by CASI on behalf of HDFC Mutual Fund on 07 October 2023.

- Thought Leaders Conference 2023 on “Forging the Human-Machine Alliance” at Atlas SkillTech University, Mumbai on 02 November 2023.
- Webinar on “The Art of Being Happy and Resilient” organized by BVICAM , New Delhi on 04 Nov 2023.

2022-23

- Attended Two Days National Symposium on “Academic Challenges Towards Implementation of NEP in HEI's” on September 29 and 30, 2022 organised by Lokmanya Tilak College of Engg in association with NAAC, Bengaluru.
- Attended a webinar on “5G: Myths and Challenges” on 09 July 2022, organized by Bharati Vidyapeeth's Institute of Computer Applications and Management, New Delhi.
- Attended a webinar on “User Experience Considerations for Building Modern Apps” on 04 February 2023 organized by Bharati Vidyapeeth's Institute of Computer Applications and Management, New Delhi.
- Attended a webinar on “How to Educate Young People in Self Regulation and the Responsible Use of Technology” on 16 February 2023 organised by Youth Ministry Department, Salesians of Don Bosco, Rome.
- Attended a webinar on “Simulink and Simscape Electrical for Research and Training” organised by Mathworks on 25 March 2023.
- Attended a Webinar on “ChatGPT and We” on 13 May 2023, organised by Bharati Vidyapeeth's Institute of Computer Applications and Management, New Delhi.

2021-22

- Attended an AICTE sponsored one week online STTP on “Natural Language Processing with Google AI and Dialog Flow and its Application” organized by Usha Mittal Institute of Technology, Mumbai, from 21-26 June 2021.
- Participated in a workshop on “Introduction to Virtual Labs” organized by ICAFI University, Jaipur in collaboration with IIT Delhi on 30 July 2021.
- Attended a webinar on “AI in Healthcare” organized by Society Of Indian Radiographers and Technologists, Coimbatore, Tamil Nadu on 09 October 2021.
- Attended a webinar on “Industry 4.0 - Trends and Challenges” organized by Bharati Vidyapeeth's Institute of Computer Applications and Management, New Delhi on 27 November 2021.
- Attended a webinar on “Artificial Intelligence and Mass Media” organized by Bharati Vidyapeeth's Institute of Computer Applications and Management, New Delhi on 29 January 2022.
- Attended a webinar on “Aspirations and Innovation” organized by the Department of IT and NSS, Don Bosco Institute of Technology, Mumbai on 10 March 2022.
- Attended a webinar on “The Art of Drone Technologies” organized by Bharati Vidyapeeth's Institute of Computer Applications and Management, New Delhi on 12 March 2022.
- Attended a webinar on “Cyber Security in the Digital Era” organized by Department of EXTC and IT, DBIT on 24 March 2022.

- Attended a webinar on “Cyber Forensic Audit: Changing Role of Auditors” organized by Bharati Vidyapeeth’s Institute of Computer Applications and Management, New Delhi on 02 April 2022.
- Attended a National Webinar on “Understanding PCOS” organized by IEEE WiE Bombay Section in collaboration with Association of Social Service Superintendents, Maharashtra on 09 April 2022.
- Completed one week FDP on Incorporating Universal Human values in Education, a joint initiative of UGC-AICTE from June 6-10, 2022.

Participation in SWAYAM MOOCs/NPTEL/Certification Courses Attended:

- NPTEL certification course on “Teaching and Learning in Engineering”.
- NPTEL certification course on “Designing Learner Centric MOOCs”.
- NPTEL certification Course on “Stress Management” .
- NPTEL certification Course on “Accreditation and Outcome Based Learning”.
- Certificate Course on “Introduction to the Internet of Things and Embedded Systems” by University of California, Irvine.
- Certificate Course on “The Bits and Bytes of Computer Networking” by Google.
- Certificate Course on “Effective Problem-Solving and Decision Making” by University of California , Irvine.
- Certificate Course on “AI for everyone” by deeplearning.ai.
- Certificate Course on “Work smarter not Harder: Time Management for Personal and Professional Productivity” by University of California, Irvine.
- Certificate Course on “Effective Problem Solving and Decision Making” by University of California, Irvine.
- Certificate Course on “Communication in 21st Century Workplace by University of California, Irvine.

Professional Body Memberships:

- Institution of Electronics and Telecommunication Engineers (IETE): Life Member
- Indian Society for Technical Education (ISTE): Life Member

Invited Talks/Resource Person in STTPs/ FDPs:

- Delivered a talk on “How to Improve Students' Attendance and Engage them Effectively for a Better Outcome” during the Faculty Development Programme at DBIT on 16 March 2024.
- Delivered a talk on “Benchmarks and SoPs for NAAC- Criteria 7” during the Faculty Development Programme at DBIT on 26 August 2023.
- Delivered a talk on “Scope in Electronics and Telecommunication Engineering” during the Orientation Programme at DBIT on 02 September 2023.
- Delivered a talk on “Gap Identification at Program Level” during Faculty Development Programme at DBIT on 07 July 2022.

- Delivered a talk on “Course and Program Outcomes” during Faculty Development Programme at DBIT on 26 October 2021.
- Delivered a talk on “Institutional Values and Best Practices” during Faculty Development Programme at DBIT on 16 June 2021.
- Delivered a talk on “Selection of Projects to Fulfill Societal Needs” at Xavier Institute of Engineering, Mumbai, on July 18, 2020.
- Delivered a talk on “Accreditation Processes in DBIT” on December 20, 2018 at Don Bosco Institute of Technology, Mumbai.
- Delivered a talk on “Industry 4.0” on September 17, 2018 at Don Bosco Institute of Technology, Mumbai.
- Resource person for the workshop on “Scilab for Analog and Digital Communication” in ISTE approved one week STTP on “Open Source Technologies for Engineering Education” on July 05, 2018 at DBIT, Mumbai.
- Delivered a talk on “Understanding NAAC Process” on February 17, 2018 at Don Bosco Institute of Technology, Mumbai.
- Resource person for the session on “Introduction to Telecommunications” in one week Short Term Training Programme (STTP) on “Latest Trends in Signaling Systems” on November 23, 2009 at DBIT, Mumbai.

Achievements/Awards/Recognitions:

- Secured Elite + Gold award and placed amongst the top 2% of the total candidates certified for NPTEL course on “Teaching and Learning in Engineering”.
- Topper for NPTEL course on “Designing Learner Centric MOOCs”.
- Received Best paper award for the paper titled “Index Modulation for 5G Networks” in 4th International conference on Recent Advances and Challenges in Engineering and Management (RACEM-2019) on March 29-30 2019, Vidyalkar Institute of Technology, Mumbai.
- Secured Elite + Gold award and placed amongst the top 1% of the total candidates certified for NPTEL course on “Stress Management”.
- Secured Elite + Gold award and placed amongst the top 2% of the total candidates certified for NPTEL course on “Accreditation and Outcome Based Learning”.
- Reviewer for IEEE Bombay Section Signature Conference (IBSSC-2019).
- Reviewer for International Conference on Technologies for Sustainable Development (ICTSD- 2015).
- Received funding of Rs 17,500 by Maharashtra Energy Development Agency (Govt of Maharashtra Undertaking) for the Renewable Energy Club in 2007.

Interactions with Professional Institutions:

- Member of the University of Mumbai Syllabus Drafting Committee for the courses “ECC 602 Computer Communication Networks”(Sem-VI), “ECC501 Digital Communication”, ECC405 Principles of Communication Engineering (Sem-IV), R-2019 C - Scheme.
- Paper Setter, Moderator, Examiner for colleges affiliated to the University of Mumbai.

Funded Research:

- Minor Research Grant of Rs. 20000 from the University of Mumbai for the project titled “Design and Implementation of Child Security System” during AY 2017-18.

Institute Development/Department Responsibilities Handled:

- Head of the Department of Electronics and Telecommunications from July 2022 to January 2025.
- IQAC member since July 2017 to January 2025.
- Research Group Leader for Communications and Networking from July 2016 to May 2022.
- NAAC Coordinator Jan 2018- March 2019.
- NBA program coordinator for EXTC Department from July 2014- June 2017.
- Co-chairperson of IEEE –DBIT Student Chapter in 2009-2010.
- Coordinator of Renewable Energy Club during 2007- 2010.
- Laboratory Incharge since 2001 till date.

Contact Details:

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