CURRICULUM VITAE

Dr. Amit Madhukar Patil

Assistant Professor,
Electronics & Telecommunication
Bharati Vidyapeeth(D.U.),
Department of Engineering and Technology,
Navi Mumbai - 410210, India
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Personal Profile

Dedicated and accomplished academic professional with over 15 years of teaching experience in Electronics & Telecommunication Engineering at Bharati Vidyapeeth (Deemed to be University), Navi Mumbai and also 1 year of teaching experience from RSIET Chiplun. Additionally, possess 8 months of industrial experience in medical electronics with hands-on exposure to maintenance, installation, and troubleshooting of diagnostic imaging equipment. Completed Ph.D. with research focused on advanced UWB antenna structures using EBG techniques.

Work Experience

Assistant Professor

Bharati Vidyapeeth (Deemed to be University), Department of Engineering and Technology, Navi Mumbai
15 July 2019 – Present

- Teaching core subjects in Computer Science and Business Systems.
- Engaged in research in UWB antennas, EBG structures, and communication engineering.
- Involved in curriculum design, student mentoring, and departmental academic activities.

Lecturer

Bharati Vidyapeeth Institute of Technology, Navi Mumbai
03 July 2010 – 14 July 2019

- Taught foundational subjects in Electronics & Telecommunication.
- Contributed to academic development and student project guidance.

Lecturer

Rajaram Shinde Institute of Engineering & Technology, Chiplun
03 August 2009 – 30 June 2010

- Taught foundational subjects in Electronics & Telecommunication.
- Contributed to academic development and student project guidance.

Jr. Executive (Medical Systems – Toshiba)
ERBIS Engineering Co. Ltd
September 2008 – May 2009

Job Responsibilities:

- Maintenance scheduling, AMC visits, and log book management.
- Installation and setup of ultrasound machines.
- PCB testing, troubleshooting, and fault rectification.
- Demonstration and operational training of ultrasound systems using various probes.

Area of Interest

Ultra-Wideband Antennas, Digital Electronics, Web Development Technology

Subjects of Interest

Network Theory
Electrical Technology
Control Systems
Digital Electronics
Web Development Technology
Fundamentals of IT

Academic Profile

➢ **Ph.D. (Electronics and Communication)** from Suresh Gyan Vihar University, Jaipur Awarded in November 2025.
Thesis Title: Design and Analysis of an Operational Quad Band UWB Antenna with Triple-Band Notch Using EBG Structure.

➢ **M.E. (Electronics)** from PIIT New Panvel, University of Mumbai with 62.05% Marks, in August 2014.
Thesis Title: Retrieval of Image Content with Non Separable Multi Resolution Wavelet Transform using Lifting Scheme.

➢ **B.E. (Electronics and Telecommunication)** from Shree Tuljabhavani Engineering College Tuljapur, Dr. BAMU Aurangabad with 69.12% Marks, in May 2008.
Project Title: Interactive Voice Response System.

➢ **Diploma (Electronics and Telecommunication)** from IOPE Lonere, Dr. BATU Raigad with 68.31% marks, in May 2005.
Project Title: Remote Controlled Digital Audio Processor.

➢ **SSC** from Mumbai Board with 60% Marks, in March 2001.

Achievements

Papers Published in International Journals

1. Design & Analysis of Compact Circular Monopole Antenna with Tunable Band-Notch Characteristics using EBG Structure, published in International Journal of Microwave and Optical Technology (IJMOT) in the year of 2025 with an ISSN: 1553- 0396, Volume 19, Issue 6, pp 631-640.

2. Automatic face recognition based on enhanced Vggface- 16 model in an unconstrained environment using transfer learning, published in International Journal of Multimedia Tools and Applications in the year of 2025 with an ISSN:1380-7501.

3. A Review on Design & Analysis of an Operational Quad Band UWB Antenna with Triple-Band Notch Using EBG Structure, published in International Journal of Intelligent Systems and Applications in Engineering (IJISAE) in the year 2024 with an ISSN:2147-6799, Volume 12 Issue 19s.

4. Design & analysis of Deep Learning based Defense Mechanisms against Cyber Attacks in IoT, published in International Journal of Intelligent Systems and Applications in Engineering (IJISAE) in the year 2024 with an ISSN:2147-6799, Volume 12 Issue 3.

5. A Review on Band Notch Techniques for UWB Antenna Design, published in International Bi-Annual Suresh Gyan Vihar University Journal of Engineering & Technology in the year 2023 with an ISSN: 2395-0196, Volume: 09 Issue 02.

6. A brief review on augmented reality based google glass, published in International Journal of Engineering Research & Science (IJOER) in the year 2019 with an ISSN: 2395-6992, Volume: 05 Issue 02.

7. Retrieval of Image Content with Non-Separable Multi resolution Wavelet Transform using Lifting Scheme, published in SSRG International Journal of Electronics and Communication Engineering (SSRG-IJECE) in the year 2014 with an ISSN: 2348-8549, Volume: 01 Issue 06.

Papers Presented in International conferences

1. Presented a paper on "Outfit Recommendation System" in the International Conference, ICRCET April, 2025.

2. Presented a paper on "MOSAIC Intelligent Event Recommendation System" in the International Conference, Springer June, 2024.

3. Presented a paper on "Cloud Shop an Order Management System" in the International Conference, Springer June, 2024.

4. Presented a paper on "Big data analytics for social and gamification aspects of fitness tracking with wearable devices" in the International Conference on Artificial Intelligence and Information Technologies June, 2024.

5. Presented a paper on "A Review on Tunable UWB Antenna with Triple Band Notch Using EBG Structure" in the ICAIIT-2023 organized by Samarkand State University, Uzbekistan from 03rd to 04th November, 2023.

6. Presented a Paper on "Detection and Analysis of Gene Functioning and Manipulation using Deep Learning", in 4th International Conference on Smart Electronics and Communication (ICOSEC),20-22 September 2023.

7. Presented a Paper on "A Review on Tunable UWB Antenna with Multi-Band Notching Techniques", International Conference on Artificial Intelligence, Blockchain, Computing and Security (ICABCS-2023) organized by Galgotia University, Greater Noida, Uttar Pradesh on 24th and 25th Feb. 2023 under the Taylor and Francis Group.

Patents

1. Device for Vehicle-To-Charging Station Communication (Design No.: 381341-001)

2. Speaking Device for Paralyzed person (Design No.: 381340-001)

3. Device to Monitor Theft by Identifying Salient Object (Design No.: 381397-001)

4. Nanotechnology-Based Farm Analyzing Machine (Design No.: 381425-001)

5. Device to Lodge Complaint for Crime (Design No.: 381217-001)

6. Device to Protect Women and Send Alert (Design No.: 381262-001)

7. Transport Goods Monitoring Device (Design No.: 381288-001)

8. Device to Assess Calamity Struck Building (Design No.: 381300-001)

9. Smart Farming Setup (Design No.: 381399-001)

Book Published

C Programming for Beginners First step towards Programming, C programming Book under the IIP (Iterative International Publishers) on 25th March 2023 having ISBN - 978-81-960478-6-3

Responsibilities

- Working as Examination Coordinator
- Working as NSS Program Officer
- Worked as ERP Coordinator
- Guided various final year IoT projects
- Worked as Sports Coordinator

Faculty Trainings Attended

- Recent Trends in AI and Machine Learning for Signal Processing Applications for Next-Generation Engineering Research held during 05.01.2026 to 09.01.2026 organized by Dr. D. Y. Patil Unitech Society's Dr. D. Y. Patil Institute of Technology, Pimpri, Maharashtra.
- Convergence of AI and Data Science for Sustainable Development Goals (SDGs) organized by the Department of CSE-Data Science, Vishwakarma Institute of Technology, Pune, from 16 to 20 December 2025.
- Artificial Intelligence & Applications organized by BVIT, Navi Mumbai held from 8th to 10th October 2025.
- Advanced Computing organized by Bharati Vidyapeeth (Deemed to be University), IMRDA Sangli held from 24th June to 28th June 2025.
- Innovative Practices, Learning Resources, and Academic Leadership in Distance and Online Education: A Faculty Development Journey held from 18th December to 24th December,2024 organized by Suresh Gyan Vihar University, Jaipur.
- Recent Advances and Future Trends in AI Tools, Computer Vision and NLP organized by the Department of Information Technology, SKNSITS, from 26th February 2024 to 1st March 2024.
- Intellectual Property Rights(IPR) and Patent Awareness Camp held on 23rd february,2024 at Suresh Gyan Vihar University, Jaipur.
- Data Science for Business, organized by Dept. of AI & DS, VIIT, Pune held from 4th September to 8th September 2023.
- GATE Preparation and Exam taking strategies, organized by GATE club CS/IT wing of VIIT, Pune held on 12th April 2023.
- Deep Learning Application Development, Tools and Research, organized by Dept. of AI & DS, VIIT, Pune held from 28th February to 4th March 2023.
- User Awareness Program of VIDWAN Database IRINS (Indian Research Information Network System) Services on 30th January 2023.

- Research Methodology using SPSS 31st Dec 2022 to 06 Jan 2023.
- 5G – Advanced Antenna design and analysis using Ansys HFSS. 7th Dec. 2022.
- Data Science: Tools and Research. 1st Nov 2022 to 5th Nov 2022.
- AI ML in Research on Engineering Science during 6th -10th June, 2022.
- MATLAB Applications in Industry 40. 12.08.2021 & 13.08.2021
- Motivational Talk on "Going Beyond Your Belief System"10- July - 2021.
- IBM Skills Build – Basics of Artificial Intelligence. 5th July 2021 to 7th July 2021.
- STTP on " Embedded System Design" 14th June 2021 to 19th June 2021.
- Data Science & Big Data Analytics 14th June 2021 to 19th June 2021.
- Internet of Things for Futuristic Smart Systems. 17th May 2021 to 21st May 2021
- Signal, Image & Video Processing: A Practical Approach (SIVPAPA-2020) May 26-30, 2020.
- Webinar on Wireless Communication Towards 5G. 25th May to 29th May 2020.
- Faculty Development Program on "Opportunities & Challenges in Electronics & Allied Industries in India post COVID-19"from 25th to 30th May 2020.
- Webinar on "Career Oriented Teaching Learning" MAY 22, 2020.
- Webinar on "Future Effective Learning Techniques" MAY 21, 2020.
- Webinar on "Problem / Project Based Learning" MAY 20, 2020.
- Webinar on How to access Taylor & Francis journals. MAY 19, 2020.
- The India First Leadership Talk webinar with Prof D. P. Singh, Chairman UGC Broadcasted on 9th May, 2020 by MHRD's Innovation Cell.

Memberships

- ISTE : LM72751
- IEI   : AM1441348

Software Skills

- ANSYS EM, MATLAB, Xilinx ISE 10.1, Rockwell, Keil, C language, MS-Office.

Personal Details

- Date of Birth: 25th NOV 1985
- Present Address: The Pearl chs, Flat no.C-308, Vichumbe, Panvel, Raigad, 410206, Maharashtra.
- Permanent Address: At- Lebhi, Post- Kamarle, Tal- Alibag, Dist- Raigad, 402209, Maharashtra.
- Marital Status: Married

Declaration

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

(**Dr. Patil Amit Madhukar**)