

## BIODATA

**Full Name:** Nitin Ahire

**Date of Birth:** 15/01/1976

**Place of Birth:** Thane

**Contact Phone No.:** +919867876737

**E – mail ID: (G - suite ID):** nitin.a@xavier.ac.in

**Nationality:** Indian

**Present Post Held:** Assistant Professor

**Place of work:** Xavier Institute of Engineering, Mumbai

**Qualification:** B.E.(Elex), M.E.(D.Elex), Pursuing Ph.D(Electronics) VJTI, Mumbai.

### Work Experience Details:

- 24 years of teaching experience
- Served as a lecturer at the Electronics and Telecommunication Engineering Department, PCT's PCE, Thane from 02nd September - 1998 to 30th April -2007.
- Served as an assistant professor at the Electronics and Telecommunication Engineering Department, PCT's PCE, Thane from 01st May- 2007 to 30th May -2009.
- Served as an assistant professor at the Electronics and Telecommunication Engineering Department, XIE, Mahim from 01st June- 2009 to till date.

### Subjects taught:

- Digital Communications,
- Microprocessor, and Peripheral Devices,
- Microcontrollers and its Applications
- Television Engineering
- Electromagnetic Wave Theory
- Integrated Circuit
- Electrical networks
- Digital Electronics
- Satellite communications
- Basic Electrical Engineering
- Antenna and radio propagation.

### Various posts held and Duties performed:

- In charge HOD (Electronics & Telecommunication Dept) of XIE July 2011-June 2012.
- Convenor- Two-day workshop on “Mobile Communication – A Practical Approach (NS2, J2ME)” that was held on 11th and 12th august 2011 at XIE, Mahim.
- Convenor - Two-day workshop on “Microwave Engineering: Design Aspects, Application & Hazards” that was held on 20th & 21st January, 2012 at XIE, Mahim.
- Convenor - Five-day international workshop in association with Santa Clara University, USA on “VLSI: Basic concepts, research areas and hands on practice”, conducted by Dr. Shoba Krishnan, Associate Professor, Electrical Engineering, Santa Clara University, California, USA. 14 to 18 December 2015.
- Appointed as Joint Chief Conductor (examination) for various engineering colleges in Mumbai.
- NBA Co-Coordinator of XIE
- Paper setter and moderator for various subjects
- Member of IQAC college committee
- Member of college development committee
- Member of IICs
- Dean of Academics

**Publications:**

- Nitin Ahire, "Performance Evolution of Micro- Electro-Mechanical – System Switches for High Frequency Applications", IJCSN Journal, Volume 3, Issue 5, , Oct 2014.
- Tejal Despande, Nitin Ahire, "Home Automation Using the Concept of IoT", IJCSN Journal, Volume 5, Issue 3, June 2016.
- Nitin Ahire, Aditya Kismatrao, Prajjwal Talwaray, Sherwin Lewis, "Digitronic Display Interface", International Journal of Scientific & Engineering Research, Volume 9, Issue 3, ISSN 2229-5518, , March-2018 .
- Nitin Ahire, Ashwini Kadam,Utkarsha Khannukar, "Garbage segregation and monitoring system", IRJET, Vol-7 Issue 5, , May 2020.
- Nitin Ahire, Shreya Bandodkar, Kanchan Gupta, Yasar Farooqui, "IOT Based Industrial Parameter Monitoring System", Parmana Research Journal , UGC approved a peer reviewed journal. UGC approved No. 22940, ISSN:2249-2976, SI No. 41241, , May 2019 .
- Nitin Ahire, Siddharth Gaud, Akash Pal, Rohit Thange, Vivek Bugalia, "Content Based Image Retrieval Using Texture And Color", Parmana Research Journal , UGC approved a peer reviewed journal UGC approved No. 22940, ISSN:2249-2976, SI No. 41241, , May 2019 .
- Nitin Ahire, Ms.Shubham Gaddam, Lasbon Rodrigues, "IOT BASED SMART MIRROR", International Journal of Creative Research Thoughts - IJCRT (ISSN: 2320-2882).IOT BASED SMART MIRROR, Volume 9 | Issue 4 | April 2021, 2432-2435, April 2021.
- Nitin Ahire, Ms.Shubham Gaddam, Lasbon Rodrigues, "IoT based Smart Mirror", International Research Journal of Engineering and Technology (IRJET), Volume: 08 Issue: 03, Page 2949, March 2021.
- Shubham Dhuri<sup>1</sup>, Nitin Ahire<sup>2</sup>, Deepak Kamat<sup>3</sup>, Sunil Nayak<sup>4</sup>, Bhavesh Maurya<sup>5</sup>, "ADHD EEG signal analysis using Machine Learning", International Research Journal of Engineering and Technology (IRJET), Volume: 08 Issue: 05 | May 2021, Page 2572, May 2021.
- Nitin Ahire, Mr. Chinmay Khanapurkar<sup>1</sup>, Mr. Omkar Hadawale<sup>2</sup>, Mr. Rohit Dagade<sup>3</sup>, Mr. Sahil Hambire<sup>4</sup>, "Review on AI Based Mask Detection with Temperature sensing and UV Hand Sanitization Based Entry System", International Research Journal of Engineering and Technology (IRJET), Vol: 09 Issue: 02 | Feb 2022, 373, Feb2022.
- Nitin Ahire<sup>1</sup>, Srushti Patkar<sup>2</sup>, Tanu Prajapati<sup>3</sup>, Chetna Patil<sup>4</sup>, Vijay Raj<sup>5</sup>, "Identification of Learning Disability using ML", International Research Journal of Engineering and Technology (IRJET), Volume: 09 Issue: 01 | Jan 2022, 1252, Jan 2022.
- Nitin Ahire, "Revolution of Asynchronous Processor", National Conference on Information and Communication Technology (NCICT -2006), , , 24-25 Feb 2006.
- Nitin Ahire, "Comparative Study on Fourier and Wavelet Transform", National conference on Emerging Technologies & Applications ETA –Oct 2006, , , 2006.
- Nitin Ahire, Patil S.C., "3D Image Formation in Optical Coherences Tomography and

- "Introduction to HAM Radio" in Association with IEEE communication Society, Pune Section organized by organized by IEEE, Communication Society, Pune section in association with AISSMS's Institute of Information Technology, Pune on 19th Jul, 2022 online.
- ISTE Approved STTP on "Next Generation Cloud Computing" organized by EXTC Department of XIE from 11th Jul - 16th Jul, 2022 Online.
- "IoT: A Journey from Sensor to Server" organized by AICTE Training And Learning (ATAL) Academy from 04th Jan - 08th Jan, 2022 online.
- Online training/webinar on "IEEE Xplore" organized by Organized by VJTI, Mumbai on 05th Aug, 2021 Online.
- ISTE approved Six-Days Hands-on Faculty Development Program (FDP) on "Deep Learning and its Applications" organized by organized by Department of Computer Engineering, Xavier Institute of Engineering Mahim, Mumbai. from 05th Jul - 10th Jul, 2021 online.
- Online Faculty orientation program for the course "Digital Communication (ECC501 & ECL501)" organized by University of Mumbai on 07th Jul, 2021 SIEsGS of Technology, Navi Mumbai .
- "Trends in Machine Learning and Data Science" organized by Lokmanya Tilak College of Engineering, Navi Mumbai from 28th Jun - 30th Jun, 2021 online.
- National level E-Summit on Emerging Trends in IT Business Application organized by STES's Sinhgad Institute of Technology Lonavala, Department of Information Technology. on 30th Jun, 2021 online.
- ISTE Approved Six-Day Online Faculty Development Programme on "Machine Learning and Its Applications" organized by Department of Electronics and Telecommunication Engineering, Xavier Institute of Engineering, Mahim, Mumbai from 21st Jun - 26th Jun, 2021 online.
- Higher Education Vision Retreat and Workshop organized by St, Xavier college, Mumbai on 15th Jun, 2021 Online.
- "Research in Machine Learning" organized by ISTE- Xavier Institute of Engineering, Mahim from 11th Jan - 16th Jan, 2021 online.
- "Biosimilar Technology" organized by AICTE Training And Learning (ATAL) Academy from 23rd Nov - 27th Nov, 2020 Sardar Patel Institute of Technology. Online.
- "Computer Science & Biology" organized by AICTE Training And Learning (ATAL) Academy from 01st Oct - 05th Oct, 2020 Kalinga Institute of Industrial Technology.
- Libraries and Tools for Machine Learning organized by EXTC Dept. of UMIT, SNDTWU, Mumbai on 18th Jul, 2020 online.
- Faculty Orientation Program for the course of "Skill Lab : C++ and Java Programming (ECL304)" organized by University of Mumbai on 11th Jul, 2020 organized by Vasantdada

**Members of Professional bodies:** Life Member of ISTE

**Signature:**

A handwritten signature in black ink, appearing to be a stylized 'A' followed by a flourish.

**Date:** September 08, 2022