

Name

MR. VINAYAK D. CHAVAN
B.E.(EXTC), M.TECH(EXTC)

Designation

Assistant Professor

Department

ELECTRONICS AND TELECOMMUNICATION

Date of Joining the Institute

08/07/2014

Education

B.E.(2009), M.TECH(2014)

Branch / Specialization

ELECTRONICS AND TELECOMMUNICATION

Areas of Interest

Communication, Signal Processing, Circuit Theory and Networks

Email

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**Academic Appointments**

Name of the University / Institute/ Industry	Duration	Designation
Finolex Academy of Management and Technology, Ratnagiri	From 08/07/2014 to till date	Assistant Professor
Total Experience – 10 Years		

Awards / Honors / Prizes

- 1. Young Researcher's Award** for the paper presented in the **International Conference** held at Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad, 26th-27th Dec 2013.
- 2. Secured 1st rank in M.Tech and rewarded with GOLD medal.**
- 3. Secured position among top 5% in NPTEL Online Certification Exam for the course "Networks and Systems"**
- 4. Completed NPTEL course "The joy of computing using python" with 89%**

Seminars/Lecture/Invited Talks Conducted

- Conducted two day workshop on **"Getting started with Arduino and Node MCU"**, on 24th and 25th Jan, 2020, organized by Department of Master of Computer Applications, Finolex Academy of Management and Technology, Ratnagiri.
- Conducted One day workshop on **"Computer Hardware and Networking"** on **28th June 2018**, jointly organized by Department of Electronics & Telecommunication and Information Technology, Finolex Academy of Management and Technology, Ratnagiri.

Papers Published

Papers Presented/Published in National / International Journals - 11

International Journals – 10

1. Paper published titled **"An Automated excel sheet for direct and indirect CO, PO/PSO and PEO attainment calculation"**, Journal of Xidian University,
2. Paper published titled **"Automatic saline level monitoring and switching system"**, International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 04 Issue: 04 | April -2020
3. Paper published titled **"A Review on saline level monitoring and controlling systems"**, Journal of Xidian University, VOLUME 14, ISSUE 4, 2020
4. Paper published titled **"MULTI-WAVELET TRANSFORM-VIDEO ENCODING FOR CONTENT PROTECTION WITH SECRET KEY"**, Journal of Emerging Technologies and Innovative Research (JETIR), Volume 6, Issue 5 , May 2019
5. Paper published titled **"Portable Biometric Attendance System using Raspberry Pi"**, International Research Journal of Engineering and Technology (IRJET), Volume: 06 Issue: 01, Jan 2019
6. Paper published titled **"Review Paper on Wheelchair Control Using Eye Movement"**, IJSART - Volume 5 Issue 1 –JANUARY 2019
7. Paper published titled **"Audio Based Bird Species Recognition using Naive Bayes Algorithm"**, International Journal of Modern Trends in Engineering and Research, Volume 05, Issue 1, January– 2018.
8. Paper published titled **"A NEW APPROACH FOR SPOKEN WORD DETECTION"**, International Journal of Modern Trends in Engineering and Research, Vol.2,Issue.9, September 2015.
9. Paper published titled **"Audio Type Identification Using EEMD: A Noise Assisted Data Analysis Method"**, International Journal of Innovative Research In Science, Engineering And Technology, Volume 3, Issue 7, July 2014.
10. Paper published titled **"A New Approach for Automatic Audio Segmentation and Reconstruction"**, International Journal of Research in Engineering and Advanced Technology, Vol.2,Issue.3,June 2014.

National Journals – 01

1. Paper published titled **"Walsh Hadamard Transform: A new approach for PAPR reduction in OFDM"**, Asian Journal of Convergence in Technology Volume II, Issue III.

Papers Presented/Published in National/ International Conferences - 02

International Conferences – 01

1. Paper published titled **"Audio Classification using Empirical Mode Decomposition"**, International Conference held at Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad, 26-27 Dec 2013.

National Conferences – 01

1. Paper published titled **“Walsh Hadamard Transform: A New Approach for PAPR Reduction in OFDM”**, National Conference on Recent Advances in Science and Technology held at FAMT, Ratnagiri, 17-18 Feb 2016

Number of Workshops, Seminars, STTPs, FDPs Attended – 20

STTPs and FDPs

1. Attended two week ISTE approved and graded STTP on **“Advancements in cryptography, blockchain and cryptocurrency”**, organized by Finolex Academy of Management and Technology from 05/12/2022 to 15/12/2022
2. Attended **FDP on “Recent trends in cyber security and blockchain technology”**, organized by Oriental Institute of science and technology, Bhopal from 28/06/2022 to 02/07/2022
3. Attended Five days FDP on **“Teaching learning and research pedagogy for excellence in education”**, organized by St. Joseph college, Chennai from 20/09/2021 to 24/09/2021
4. Attended One week FDP on **“Emerging Paradigms in Artificial Intelligence and Data Science”**, organized by Vishwakarma Institute of Technology, Pune from 16/08/2021 to 20/08/2021
5. Attended ATAL FDP on **“Information and cyber security”**, from 14/06/2021 to 18/06/2021
6. Attended FDP on **“Advancements in IOT, cyber security and drone technology”**, organized by Lokmany tilak college of engineering, Navi Mumbai from 07/06/2021 to 12/06/2021
7. Attended 2 days Faculty Development Program on **“NBA Preparation”** organized by Dept. of EXTC, Finolex Academy of Management and Technology, from 5th Mar to 6th Mar 2020
8. Attended 3 days Faculty Development Program on **“Cyber Security”** organized by Dept. of IT, Finolex Academy of Management and Technology, from 23rd Jan to 25th Jan’2020
9. Attended 12 weeks FDP on **“the joy of computing using python”**, organized by NPTEL-AICTE from July to October 2019
10. Attended **Faculty Development Program (FDP)** on **“Career Opportunities and Self Dependence”** organized by ITSA and Lemures Technologies on 23rd September 2016

Two Week or One Week Workshops

1. **Attended training program on “Cloud Computing”** organized by Finolex Academy of Management and Technology from 01/08/2022 to 05/08/2022
2. Attended AICTE/ISE approved refresher programme on **“Recent trends in AI”**, organized by Rajendra Mane College of Engineering and Technology, Devrukh from 11/01/2022 to 17/01/2022
3. Attended **One Week Workshop** on **“Funding Schemes Available for Research Proposals”** Organized by Research Development and Consultancy cell (RDCC) of Finolex Academy of Management and Technology, Ratnagiri from 13th February to 23rd April 2016

4. Attended One week workshop on **"Introduction to Design of Algorithms"** conducted by IIT Kharagpur from 25th to 30th May 2015.
5. Attended Two week ISTE workshop on **"Control Systems"** conducted by IIT Kharagpur from 02nd to 12th December 2014.
6. Attended Two week ISTE workshop on **"Basic Electronics"** conducted by IIT Bombay from 28th June to 08th July 2011.

Workshops

1. Attended one day **Python Workshop** on 26/06/2019
2. Attended A two day saptahant shikshak prashikshan on **"Introduction to Machine Learning"** on 16th – 17th December, 2017, organized by Department of Information Technology, Finolex Academy of Management and Technology, Ratnagiri.
3. Attended Two Days workshop on **"Mobile Antennas: Fundamentals, Design, Fabrication and Testing"** organized by EXTC and ETRX Dept. (Resource Person Prof. Dr. A. B. Kakde) on 1st -2nd Aug 2015.
4. Attended Two days workshop on **"SMART GRID: Issues and Challenge"** under TEQUIP-II on 16th -17th Aug 2013

College Exam Duties

1. Worked as assistant chief conductor for University exam conduction winter 2021 exam from 22/11/2021 to 02/12/2021.
2. Worked as assistant chief conductor for University exam conduction winter 2021 exam from 23/12/2021 to 03/01/2022.
3. Worked as Member of University exam conduction committee for summer 2021 exam from 01/06/2021 to 30/06/2021.
4. Worked as Member of University exam conduction committee for FE exam from 01/03/2021 to 15/03/2021.
5. Worked as Member of University exam conduction committee for winter 2020 examination from 22/12/2020 to 07/01/2021.
6. Worked as Member of University exam conduction committee for May 2020 kt exam from 19/11/2020 to 30/12/2020.
7. Worked as a **Senior Supervisor** for **Winter Exam December 2016**.
8. Carried out exam related duties such as **Examiner and External Examiner** for conducting theory, practical and oral exam as appointed by Board of Examination, Mumbai University.

Other Experience

College Level Committees

1. Working as a **department TNP coordinator**
2. Working as **TNP web page coordinator**
3. Working as a **Member of E-magazine committee** of Finolex Academy of Management and Technology, Ratnagiri.
4. Working as a department coordinator for **NBA Criteria 3**
5. Working as a department coordinator for **NAAC Criteria 1 committee**
6. Working as a department coordinator for **SC/ST committee**
7. Worked as a department coordinator for **Academic Diary committee**
8. Organized **Two days Training Program on Raspberry Pi and IOT** from 09-11-2020 to 10-11-2020
9. Organized **Three Days Online Faculty Training Program on "Artificial Intelligence in Telecommunication"** from 28-06-2021 to 30-06-2021
10. Organised Four days Add-on Course on **"Python Programming and Raspberry Pi"** from **28/02/2019 to 03/03/2019**
11. Organised Guest Lecture on **"Importance of Open Source Software for Computer Communication"** on **24th January, 2018.**
12. Organised One Day Seminar on **"An Introduction to Speech Technology: Automatic Speech Recognition and Text-to-Speech Synthesis"** on **31st January, 2018.**
13. Organised Two days workshop on **"RF AND ANTENNAS: FROM THEORY TO PRACTICE"** on **11th – 12th August, 2017.**
14. Organizing committee member for AICTE-ISTE approved One Week STTP on **"Digital Image Processing – Issues, Challenges and Research Avenues"** on **4th – 8th June 2018**
15. Worked as departmental organizing **committee member** in 2nd National Conference on **"Recent Advances in Science and Technology 2k16"**
16. Worked as a **Coordinator** for **"RF AND ANTENNAS" Workshop** Organized in FAMT on **11th and 12th August 2017.**
17. Worked as a **Coordinator** for **"Networking Fundamentals with Hands-on using NS-2/NS-3 and Unified Communication" Workshop** Organized in FAMT on **27th – 29th January 2017.**

Subject Taught

Sr. No.	Name of the Subject	Year/Branch/Semester	Experience
1.	Signals and Systems	S.E. EXTC (Sem - IV)	3 Years
2.	Random Signal Analysis	T.E. EXTC (Sem - V)	4 Years
3.	Optical Fiber communication	B.E. ETRX (Sem - VII)	1 Year
4.	Optical communication	B.E. EXTC (Sem - VII)	3 Years
5.	Mobile Communication Systems	B.E. EXTC (Sem - VII)	1 Year
6.	Circuit Theory and Networks	S.E. EXTC (Sem - III)	2 Years
7.	Linear Integrated Circuits	S.E. EXTC (Sem - IV)	2 Years
8.	Optical Communication and Networks	B.E. EXTC (Sem VIII)	1 Year
9.	Artificial Neural Networks and Fuzzy Logic	T.E. EXTC (Sem VI)	2 Years
10.	Mini Project Lab	T.E. EXTC (Sem V and VI)	2 Years
11.	Discrete Time Signal Processing Lab	T.E. EXTC (Sem VI)	1 Year
12.	Software Simulation Lab	S.E. EXTC (Sem IV)	2 Years
13.	Microcontroller and Embedded Systems Lab	T.E. IT (Sem V)	1 Year
14.	Principles of Analog and Digital Communication lab	S.E. IT (Sem III)	1 Year
15.	Circuits and Measurements Lab	S.E. EXTC (Sem III)	1 Year
16.	Open source technology for communication lab	T.E. EXTC (Sem V)	2 Years
17.	Internet and Voice Communication Lab	B. E. EXTC (Sem VII)	1 Year
18.	Skill Lab:C++ and Java programming	S.E. EXTC (Sem III)	1 Year