

Name	MR. MAHESH A. JADHAV B.E., M.TECH,PhD (Pursuing)
Designation	Assistant Professor
Department	Computer Science and Engineering(CS)
Date of Joining the Institute	08/05/2009
Education	B.E Electronics 2006 M.Tech VLSI & Embedded System 2015 Ph D Pursuing CDAC (Diploma in Advanced Computing),2009
Branch / Specialization	Electronics Engineering
Areas of Interest	Machine Learning and Deep Learning Operating System, Computer Network, Python Programming, Data structure, Cryptography and System Security.Web Computing.
Email	Mahesh.jadhav@famt.ac.in
Personal Homepage link	https://vidwan.inflibnet.ac.in/profile/568300



Academic Appointments

Name of the University / Institute/ Industry	Duration	Designation
Finolex Academy of Management and Technology, Ratnagiri	From 08/05/2009 to till date	Assistant Professor

Total Experience – 16 Years

Awards / Honors / Prizes

- 1.Achieved **Elite and Silver Certification** in 4 Week NPTEL Online Certification Course on **“Technical Communication for Engineers ”** conducted by Indian Institute of Technology Roorkee from July 2024 to August 2024.
- 2.Elite + **Silver Medal** certificate is awarded by **IIT Madras** for successfully completing **C Programming & Assembly Language** NPTEL online course, during July to August 2019, conducted by IIT Madras.
- 3.Elite certificate is awarded by **IIT Kharagpur** for successfully completing **Switching Circuits & Logic Design** NPTEL online course, during July to October 2018, conducted by IIT Kharagpur.

4. **Elite** certificate is awarded by **IIT Bombay** for successfully completing **Basic Electronics** NPTEL online course, during January to April 2018, conducted by IIT Bombay .

5. **Top performer** of the programme for Four Week AICTE approved FDP by IIT Bombay on "**Use of ICT in Education for Online and Blended Learning**". Won the "**Award of Excellence**" by SAP India Pvt.Ltd.

Seminars/Lecture/Invited Talks Conducted

1.Organized a Seminar on "**Online safety, cyber hygiene, and safe & responsible use of the internet and Artificial Intelligence**" on 10th February 2026.

2.Organized a Seminar on "**Ransomware Insights: The Silent Digital Extortion Threat**" on 21st January 2026.

3.Organized a Seminar on "**Youth as Catalysts for Innovation and Nation Building**" on 16th January 2026.

4.An Expert Session on "**Introduction to Cyber Security and Ethical Hacking Awareness.**" was conducted on 17th September 2025, at Mukul Madhav Vidyalaya and Junior College.

5.An Expert Session on "**Career Guidance**" was conducted on 3rd February 2024, at Damle Vidyalaya Ratnagiri, Municipal Corporation School no. 15.

6.A Expert Session on "**Vocational – Engineering Education**" was Conducted on 24th January, 2024, at Lokmanya Tilak Vidyalaya Ratnagiri, Municipal Corporation School no. 2.

7.Organized a Seminar on "**A deep dive into AI and its Application Workflow using MATLAB**" on 18th to 24th July 2024.

8.Organized a Seminar on "**Cloud Technologies**" on 21st February 2023

9.Organized an Industry Expert Lecture on Trending Technologies in **Cloud Computing** on 6th August 2022

10.Worked as a Coordinator for Four days workshop on "**Embedded C Programming & Application Development**" at Finolex Academy of Management & Technology, Ratnagiri from 4th August and 7th August, 2017.

Students projects Guided at Undergraduate Level

1. Smart Trolley System for Automated Billing Using RFID and ZIGBEE.
2. Quadcopter using Raspberry –Pi.
3. Wireless Animatronics Hand using Control Glove.
4. DiagnoTech
5. Virtual Tour Guide
6. UniSched AI:An Intelligent Time Table Generator.
7. Identification of Ayurvedic Medicinal Plants and their Medicinal Properties.

Papers Published

Papers Presented/Published in National / International Journals - 7

International Journals – 07

1. Paper Presented titled "**Performance Evaluation of Single Phase bipolar & Unipolar SPWM Inverter**" published in International Journal for Science and Advance Research in Technology , Volume : 4, Issue : 1, January 2018 (ISSN: 2395-1052).
2. Suraj Shete, Girish Bhide, Mahesh Jadhav, "**WHT and Double WHT: An effective PAPR reduction approach in OFDM**" in **IEEE Xplore Digital Library DOI:10.1109/ICAECCT.2016.7942577**
3. Paper titled "**A Comparative Analysis of Adaptive Contrast Enhancement Equalization Techniques**" published in ASIAN JOURNAL OF CONVERGENCE IN TECHNOLOGY (AJCT ISSN : 2350 - 1146).
4. Paper titled "**Edge – Coupled DGS Composite Bandpass Filter for Wi-Max Application**" published in International Journal of Modern Trends in Engineering and Research, volume. 2, Issue (11), November 2015, pp. 109-113.
5. Paper Presented titled "**Anti-Photography System for Photography Prohibited Area**" published in International Journal of Management, Technology And Engineering Volume IX, Issue IV, APRIL/2019 (ISSN: 2249-7455)
6. Paper Presented titled "**Comparison of different Image compression Techniques : A Review**" published in International Journal for Research in Engineering Application & Management (IJREAM) 2019 (ISSN : 2454-9150)
7. Paper Presented titled "**IOT BASED QUADRUPEDAL SPIDER ROBOT FOR SURVEILLANCE** " published in INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS - IJCRT , Volume : 10, Issue : 4, April 2022.

8. Paper presented titled **Review of “Unished AI : An intelligent Time -table Generator”**: A comprehensive Study published in International journal of scientific research in engineering & Management, Volume 9 issue 03 March, 2025, (ISSN 2582-3930)

Papers Presented/Published in National/ International Conferences - 08

International Conferences – 05

1. Paper Presented titled **"Performance Analysis of Machine Learning Model for Appliance Energy Forecasting"** at 10th International Conference on soft Computing Theories and Application held on December 27-29, 2025, organised by Dr. B.R.Ambedkar, NIT, Jalandhar, Punjab
2. Paper Presented titled **"A Comprehensive Review of “DiagnoTech”** at 2nd International Conference on Advances in Technology and Management (ICATM-2024) held on April 5-6, 2024, organised by A. C. Patil College of Engineering Kharghar, Navi Mumbai India.
3. Paper Presented titled **"Virtual Tour"** in the National Conference on “ Futuristic Trends in Engineering & Applied Science 2024 (NCFTEAS 2024) through offline/online mode held on 12th and 13th April 2024 at VPM's MPCOE, Velmeshwar .
4. Paper Presented titled **"WHT and Double WHT: An effective PAPR reduction approach in OFDM"** at 2016 IEEE International Conference on Advances in Electronics, Communication and Computer Technology (ICAECCT) Rajarshi Shahu College of Engineering, Pune India. Dec 2-3, 2016.
5. Paper Presented titled **"IOT BASED QUADRUPEDAL SPIDER ROBOT FOR SURVEILLANCE"** at 2022 International Conference on Communication and Computing 2022 (ICCC 2022) FAMT Ratnagiri. April 8-9, 2022.

National Conferences – 03

1. Paper Presented titled **" A Comparative Analysis of Adaptive Contrast Enhancement Equalization Techniques"** in national conference on Recent Advances in Science and Technology 18-19 Feb. 2016 at FAMT Ratnagiri.
2. Paper Presented titled **"Performance Evaluation of Single Phase bipolar & Unipolar SPWM Inverter"** in national conference on Changing Technology and Rural Development 22nd-23rd December 2017 at RMCET, Ambhav.
3. Paper Presented titled **"Comparison of different Image compression Techniques : A Review"** in national conference on Changing Technology and Rural Development 21st-21st December 2018 at RMCET, Ambhav.

STTPs and FDPs

1. Completed Training Program (Online) on "Green Hydrogen and Flex-Fuel Technologies for Sustainable Mobility" Organized by School of Mechanical Engineering Manipal Institute of Technology, Manipal Academy of Higher Education (MAHE), Manipal under the Celebrating Green Innovation (CGI) initiative held from 13th to 18th March 2026
2. Completed the ISTE approved Self-Financing Faculty Development Program on "Reimagining Teaching Excellence: AI Competencies and Industry 5.0 Skills for Modern Educators" held during 16.02.2026 to 21.02.2026 organized by FinolexAcademy of Management & Technology, Ratnagiri, Maharashtra
3. **Certified by NVIDIA** in *Fundamentals of Accelerated Computing with CUDA Python* – demonstrating competency in GPU-accelerated computing and parallel programming with CUDA.
4. Completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on "**Quantum Technology – A Transformative Approach to Next-Generation Computing at**" at Sindhudurg Shikshan Prasarak Mandal's College Of Engineering from 08/12/2025 to 13/12/2025.
5. Completed One-Week Online Workshop on "**AI for Sustainable Development Goal**" organised by the Department of Computer Science and Engineering(AI & ML), Vishkarma Institute of Technology ,Pune from 1st December to 5th December 2025.
6. Completed One-Week ISTE Approved National Level Online Workshop on "**Emerging Significance of Artificial Intelligence (AI) across Key Technological Domains such as Blockchain, IoT, Cybersecurity, Big Data Analytics, Cloud Computing & Robotics**" organised by the Department of Electronics & Computer Engineering, VPM's Maharshi Parshuram College of Engineering, Velneshwar from 1st July to 7th July 2025.
7. Attended Two Days FDP on "Exploring Avenues for Excellence through Sponsored Research, Funding, and Grants" on 8th and 9th May, 2025, organized by Dept. of Electronics and Telecommunication Engineering, F.A.M.T., Ratnagiri.
8. Completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on "**Principles, Techniques and Perspectives on Optimization Techniques in Engineering Applications and Future Trends**" at Sindhudurg Shikshan Prasarak Mandal's College Of Engineering from 20/01/2025 to 25/01/2025.
9. Completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on "**Deep Learning and It's Applications**" at Shah & Anchor Kutchhi Engineering College from 16/12/2024 to 21/12/2024.
10. Completed **International FPD** on "AI for Sustainable Development" from 5th August 2024 to 9th August 2024, organized by VIIT, Pune, IEEE Region 10 Humanitarian Technology activities, IEEE Pune Section, IEEE Pune Section SIGHT group, IEEE Pune section SIG on Energy and Environmental Engineering and IEEE VIIT Student Branch.

11. Completed **Advanced Course** on “**Space Technologies for Early Warning and Monitoring of Extreme Weather Events and Hydro-Met Disasters**” at the International Institute of Information Technology (IIT), Pune. from 2 Sep 2024 to 6 Sep 2024.
12. Completed **NPTEL FDP on Technical Communication for Engineering** July-August 2024
13. Completed workshop on "**NEP 2020 Sensitization - train the trainers**" at FAMT on 06.03.2024 & 07.03 .2024.
14. Completed National Level **One Week Online Faculty Development Program** on "**Generative AI using Chatgpt**" organized by the Department of Information Technology in association with IOIT ACM Student Chapter. from 15th - 19th January 2024 organized by Department of Information Technology, AISSMS IOIT, Pune.
15. Complete **five days National Online Faculty Development Program** on “**RESEARCH METHODOLOGY: ETHICS & PUBLICATIONS** ”, organized by the IQAC and PG & Research Department of Mathematics, Theivanai Ammal College for Women (Autonomous), Villupuram on 22.01.2024 - 26.01.2024
16. Completed **5-day Online FDP** on the theme “**Inculcating Universal Human Values in Technical Education**” organized by All India Council for Technical Education (AICTE) from 3rd July to 7th July 2023.(UHV)
17. Completed **NEP 2020 Orientation and Sensitization Programme** under Malaviya Mission Teacher Training Programme of UGC organized by Coimbatore Institute Of Technology from 4 December 2023 to 13 December 2023.
18. Attended **One week ISTE approved FDP** on”**AI algorithms and application in Healthcare**” 19 June to 23 June 2023 FAMT Ratnagiri
19. Attended **Five days FDP** on “**Recent trends in Cyber security and Blockchain Technology** Organized by Oriental institute of science and technology Bhopal from 28 June 2022 to 2 July 2022
20. Attended an **ISTE approved one week STTP** on “**Recent Trends Information Technology**”, held on 16th May to 20th May 2022, organized by Department of Information Technology, FAMT, Ratnagiri.
21. Attended **Two week ISTE approved and Graded STTP** on”**Advancement in Cryptography,Blockchain and Cryptocurrency**” 5 Dec to 16 December 2022 FAMT Ratnagiri
22. Attended **One Week FDP** on “**Advanced Trends in Embedded Systems**” Organized by Bharati vidyapeeth institute of technology, Navi Mumbai from 07th March to 11th March 2022.
23. Attended **Five days Gustovalley Technovations** Training Program on “**Cloud Computing**” Organized by FAMT Ratnagiri from 01 August 2022 to 05 August 2022.

24. Attended one day workshop on “**How to prepare an event report and use data collection templates**” Organized by FAMT Ratnagiri from 21st April 2022 to 22 nd April 2022
25. Attended **One Week** Online Training Programme on "**NBA Accreditation Process**" conducted on 6th December to 10 December ,2021 at National Institute of Technical Teachers' Training and Research, Chennai .
26. Attended **1 Week** participated & completed successfully **AICTE Training And Learning (ATAL) Academy Online FDP on "Data Sciences"** from 2nd November 2020 to 6th November 2020 at FRANCIS XAVIER ENGINEERING COLLEGE.
27. Attended **1 Week** participated & completed successfully **AICTE Training And Learning (ATAL) Academy Online FDP on " Artificial Intelligence"** from 14th December 2020 to 18th December 2020 at CANARA ENGINEERING COLLEGE.
28. Attended **Five Days** Online Faculty Development Program on "**RESEARCH IN ENGINEERING - A Way Forward**" conducted on 6th July to 10 July,2020 at A. P. Shah Institute of Technology, Thane
29. Attended **One week** Online Faculty Development Program (FDP) on **Exploring the Dimensions of Innovation,Incubation and Emerging Technologies to EmbracePostCOVIDChanges** Organized by Department of Mechanical Engineering FAMT, Ratnagiri from 08th June to 12th June2020.
30. Attended **One week** online Short Term Training Program- II on “**Computer Networking & Network Security**” organized by Department of Electronics Engineering, Bharati Vidyapeeth (Deemed to be University) College of Engineering, Pune, **Sponsored by AICTE under AQIS** from 21st September to 26th September 2020.
31. Attended **One week** online Short Term Training Program on “**Computer Networking with SDN**” organized by Department of Electronics Engineering, Bharati Vidyapeeth (Deemed to be University) College of Engineering, Pune, **Sponsored by AICTE under AQIS** from 26th October to 31st October 2020.
32. Attended **One week** online Short Term Training Program on “**Recent Trends and Application of Machine Learning and Deep Learning in IT**” organized by Department of Information Technology,RAIT,Navi Mumbai from 25th May to 29th May 2020
33. Attended **One week** online Short Term Training Program on “**Signal Analysis, Machine Learning and its Applications using Python and MATLAB**” organized by Department of

Electronics and Telecommunication Engineering,RAIT,Navi Mumbai from 1st June to 5th June 2020

34. Attended an **AICTE-ISTE approved one week STTP on “Digital Image Processing Issues, Challenges and Research Avenues”**, held on 4th June to 8th June 2018, organized by Department of Electronics Engineering and Department of Electronics and Telecommunication Engineering, FAMT, Ratnagiri.
35. Attended **Two Week AICTE Sponsored FDP on “Embedded System Design A Microcontroller Approach”** conducted by College of Engineering Pune from 20th November to 1st December 2017
36. Attended **One Week AICTE Sponsored FDP on “Image Processing and Computer Vision”** Organized by College of Engineering Pune from 12th Dec to 16th Dec 2016
37. Attended **Four Week AICTE approved FDP** by IIT Bombay on **"Use of ICT in Education for Online and Blended Learning"** from 2nd May to 10th July 2016
38. Attended Two Week STTP on **“MATLAB & SIMULINK: Learning by Doing”** under ISTE-TEQIP-II conducted by Government College Of Engineering Karad from 06th June to 18th June 2016.
39. Attended Two Week ISTE workshop on **“Basic Electronics”** Conducted by IIT Bombay under the National Mission on Education through ICT.

Conferences and Seminars

40. Worked as **Reviewer** for **International Conference on Communication, Computing and Emerging Technologies - IC3ET 2026, (IEEE Conference Record #64989)**, held on 9–10 February 2026 at Vidyavardhini's College of Engineering and Technology (VCET), Vasai
41. Attended 5th IEEE Pune Section's **International Conference 2022 on Information, Implementation, & Innovation in Technology** (IEEE PuneCon 2022), jointly organised by IEEE Pune Section International Institute of Information Technology, Pune (I2IT), in association with Persistent Systems, from December 15–17, 2022.
42. Attended one day seminar on **An Introduction to Speech Technology: Automatic Speech Recognition and Text –to–Speech Synthesis** organized by Department of E&TC FAMT, Ratnagiri on 31st January.

43. Attended 2nd **National Conference on Recent Advances in Science and Technology (RAST)** organized by Finolex Academy of Management and Technology, Ratnagiri from 17th to 18th February 2016

Two Week or One Week Workshops

44. Attended Two Days workshop on **“Introduction to Biomedical Imaging”** Organized by Department of Instrumentation and control Engineering, College of Engineering Pune
45. 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
46. Attended Two days ISTE workshop on **“Virtual Labs, Electronics”** Conducted by IIT Bombay and MHRD initiative.
47. Attended Two Days workshop on Simulation of **“Electronics Circuits & Power Electronics System using SEQUEL”** conducted by IIT Bombay

Workshops

48. Attended Three days workshop on ‘Embedded Systems and Robotic Design’ conducted by PPCRC, Pune.

Coursera Course= 10

- 48 Completed a **4 week** course on **“The Data Scientist’s Toolbox”** conducted by Johns Hopkins University in association with Coursera within duration 25/04/2020 to 10/05/2020.
49. Completed a **4 week** course on **“R Programming”** conducted by Johns Hopkins University in association with Coursera within duration 11/05/2020 to 22/05/2020.
50. Completed a **7 week** course on **“Programming For Everybody (Getting Started with Python)”** conducted by University of Michigan in association with Coursera within duration. 20/07/2020 to 11/08/2020
51. Completed a **7 week** course on **“Python Data Structures”** conducted by University of Michigan in association with Coursera within duration 16/08/2020 to 31/08/2020.
52. Completed a **6 week** course on **“Using Python to Access Web Data”** conducted by University of Michigan in association with Coursera within duration 16/08/2020 to 28/09/2020.
53. Completed a **5 week** course on **“Using Databases with Python”** conducted by University of Michigan in association with Coursera within duration 16/08/2020 to 30/09/2020.

54. Completed a **7 week** course on “**Capstone: Retrieving, Processing, and Visualizing Data with Python**” conducted by University of Michigan in association with Coursera within duration 16/08/2020 to 29/09/2020.

55. Completed a **4 week** course on “**Python Basics**” conducted by University of Michigan in association with Coursera within duration 28/09/2020 to 30/09/2020.

56. Completed a **5 week** course on “**Python Functions, Files, and Dictionaries**” conducted by University of Michigan in association with Coursera within duration 28/09/2020 to 06/10/2020.

57. Completed a **3 week** course on “**Data Collection and Processing with Python**” conducted by University of Michigan in association with Coursera within duration 28/09/2020 to 06/10/2020.

Professional Membership

1. Indian Society of Technical Education (I.S.T.E)

College Exam Duties

1. Worked as **CAP coordinator** for **SH 2022**.
2. Worked as a **Senior Supervisor** of **Engineering 2022 Winter Exam**.
3. Worked as a **Senior Supervisor** of **Engineering 2015 Winter Exam**.
4. Worked as a **Senior Supervisor** of **Engineering 2010 Winter Exam**.
5. Carried out exam related duties such as **Paper Setter, Moderator, Examiner and External Examiner** for conducting practical and oral exam as pointed by Board of Examination, Mumbai University.
6. Worked as a **Result -checking committee member**.
7. Worked a **scrutiny committee member**.
8. Worked as **an Invigilator for University theory exams**.

Other Experience

College Level Committees

1. Working as an **Assistant System HOD**.
2. Worked as an **Institute level scrutiny member** for **NBA criteria 5**.
3. Working as **Institute Activity Coordinators for Student Exchange Programme** .
4. Worked as a **Departmental Website update coordinator** of **Website Administration committee** (WAC) of Finolex Academy of Management and Technology, Ratnagiri.
5. Working as **Departmental coordinator** of **Library Advisory committee** Of Finolex Academy of Management and Technology, Ratnagiri.
6. Working as **Departmental coordinator** of **Feedback committee** Of Finolex Academy of Management and Technology, Ratnagiri.
7. Worked as **Departmental coordinator** of **IEDC and IIC cell** Of Finolex Academy of Management and Technology, Ratnagiri.
8. Working as **Departmental coordinator** of **Academic Calendar Committee** Of Finolex Academy of Management and Technology, Ratnagiri.
9. Working as **Departmental coordinator** of **NAAC criteria V** Of Finolex Academy of Management and Technology, Ratnagiri.
10. Working as **Time table coordinator**
11. Working as Member of the **Departmental Advisory Board**.
12. Working as **Departmental coordinator** of **Mentorship committee** Of Finolex Academy of Management and Technology, Ratnagiri.
13. Worked as departmental organizing committee member in 2nd National Conference on **"Recent Advances in Science and Technology" (RAST-2K16)**.
14. Working as **Mentor** for 20 T.E students.

Subject Taught

Sr. No.	Name of the Subject	Year/Branch/Semester
1	Operating System	S.E/ CSE/ IV
2	Business Model Development	S.E/CSE/IV

3	Environmental Science	S.E/EXTC/III
4	C Programming	FE
5	Python Programming	S.E/ CSE/ IV
6	Computer Network	T.E/ CSE/ V
7	Cryptography & System Security	T.E/ CSE/ VI
8	Data Structure	S.E/ CSE/ III
9	CMOS VLSI Design	B.E /ETRX / (Sem VIII)
10	Embedded System Design	B.E /ETRX / (Sem VII)
11	Design with Linear Integrated Circuits	T.E /ETRX / (Sem V)
12	Electronics Devices and Circuits	S.E /ELECT/ (Sem III)