

Faculty Profile

- **Faculty Name** : **Aditi Abhijeet Kumbhar**
- **Designation** : **Assistant Professor**
- **Department** : **Electronics and Telecommunication Engineering**
- **Mobile No.** : **9405149866**
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• Educational Qualification

Sr.No	Degree	College Name	University Name	Class
1	B.E. E&TC	MKSSS's Cummins College of Engineering For Women, Pune	Savitribai Phule Pune University	First Class with Distinction
2	M.Tech. Electronics Technology	Department of Technology, Shivaji University, Kolhapur	Department of Technology, Shivaji University, Kolhapur	First Class

• Professional experience:-

Total experience in years:-3.9yr

Teaching: - 3.3 Year

Industrial: -6 months

Research: -00

Sl.	Organization	Post	Period
1	Ashokrao Mane Group of Institutions, Vathar	Assistant Professor	14/02/2023 to Till Date
2	Linkedloops Technologies Private Limited, Pune	Trainee Engineer	09/12/2019 to June-2020

• Subject Taught:-

Undergraduate Subjects			
1	Basic Electronics	2	Digital Electronics
3	Microprocessors and Microcontrollers	4	Entrepreneurship Development
5	Basic Human Rights	6	Employability Skill Development

- **Project Work at U.G.:-** Assistive Clothing Pattern Recognition for Visually Impaired People
- **Project Work at P.G.:-** Design and development of FPGA based VLSI architecture for memory efficient motion detection
- **Research Area of Interest:-** Embedded System

- **Paper Published in National & International Journal:-**

Sl.	Title	Name of Conference	Journal Name	Date	ISSN No.
1	IoT-Integrated Multi-Sensor Robot for 360° Surveillance and Security	International Conference on Integrated Research and Sustainable Development (ICIRSD) -2025	Proceedings of International Conference on Integrated Research and Sustainable Development	2025	978-93-344-3977-9
2	Design and Development of FPGA based VLSI Architecture for Memory Efficient Motion detection	International conference on Recent Innovations in Electrical, Electronics & Communication Engineering(IEEE)	ICRIEECE -2018 (IEEE)	2018	978-1-5386-5995-3
3	Motion Detection for Video Surveillance System	International Conference on Information Processing	Advances in Computing and Data sciences Springer Scopus Index 2018	2018	ICAACD 2018, CCIS906. P.P.523-534,2018
4	A Review on Motion Detection Techniques	International Journal of Trends in Scientific Research and Development(IJTSRD)	IJ	Nov-Dec-2017	ISSN 2456-6470

* NJ- National Journal IJ- International Journal
 NC- National Conference IC- International Conference

- **STTP/FDP/Workshops/Attended/Participated:-**

Sr. No.	Name of STTP/FDP/workshop	Organized By	Date
1	Emerging Trends in Electronics and Computer Engineering	Ashokrao Mane Polytechnic, Vathar	17th July – 19th July 2023
2	Building Advanced Data Analytics Applications with Cloud	AICTE, ATAL & Edunet Foundation	11th Dec – 15th Dec 2023
3	Advancement in E-Transportation	Dept. of Electrical Engg., Ashokrao Mane Polytechnic	18th Dec – 20th Dec 2023
4	Artificial Intelligence and Machine Learning	Ashokrao Mane Polytechnic, Vathar	8th Jan – 12th Jan 2024
5	Opportunities and Challenges in Outcome-Based Education	Dept. of Automobile Engg., Ashokrao Mane Polytechnic	29th Jan – 2nd Feb 2024
6	MACHINE LEARNING FROM NOVICE TO EXPERT	Dept. of Polytechnic, CSE, DKTE's Yashwantrao Chavan, Ichalkaranji	11th Mar – 13th Mar 2024

7	Professional Ethics and Effective Teaching Methodology	Ashokrao Mane Polytechnic, Vathar	11th July – 13th July 2024
8	Opportunities and Challenges in Outcome-Based Education	Dept. of Automobile Engg., Ashokrao Mane Polytechnic	29th Jan – 2nd Feb 2024
9	Faculty Training on AB PLC	The World of Automation, Pune	10th Aug – 14th Aug 2024
10	Green Skill & AI	Dept. of CSE in association with Edunet Foundation & Computer Society of India	18th Dec – 24th Dec 2024
11	Next-Gen Manufacturing: Embracing Industry 4.0	AICTE ATAL FDP, E&Tc Dept, AMGOI, Vathar	Aug 25-30, 2025
12	Digitization: Bridging the Present & Future	45th GISFI Standardization Series Meeting, International Conference on Integrated Research and Sustainable Development (ICIRSD) -2025, AMGOI, Vathar	30th Oct. to 1st Nov. 2025.
13	Principles of Modern CDMA/MIMO/OFDM	SWAYAM NPTEL IIT Madras	Jul- Sept 2025
14	Emerging Trends in Artificial Intelligence	ISTE Approved, AIML Dept, AMGOI, Vathar	29 th Dec 2025 to 3 rd Jan, 2026
15	NEP 2020 : Guidelines for Syllabus Design	AMGOI, Vathar	3rd Jan 2026
16	Advances , Challenges and Research Trends in Electrical Vehicle Technology	ISTE Approved R&D, Electrical Dept, AMGOI, Vathar	27 th Jan to 31 st Jan, 2026
17	Advances in IOT and Cyber Security An Industrial Perspective	ISTE Approved, Electronics & Computer Dept, AMGOI, Vathar	9 th to 13 th Feb 2026

• **Programs Organized:-**

Sr.No	Name of Program	Institute	Date
1	Industrial Visit to “Renutron Power Solutions Pvt. Ltd., Kolhapur”	AMGOI, Vathar	29/08/2024
2	Teachers day Celebration	AMGOI, Vathar	05/09/2024
3	Alumni Talk on “Introduction to Virtual Reality (VR) & Augmented Reality (AR)”	AMGOI, Vathar	20/09/2024
4	One week Hands on Skilling Program on Application of Embedded & IOT Devices	AMGOI, Vathar	20/09/2024 to 27/09/2024
5	Engineers Day (TechFest 2K24)	AMGOI, Vathar	26/09/2024
6	Extension Activity on “Plastic Waste Management”	Indira Gandhi Highschool, Vadgoan	22/11/2024
7	Add On Course “Circuit Simulation”	AMGOI, Vathar	26/7/2024 to 22/11/2024
8	Extension Activity on “Basics of Arduino”	Kini Highschool, Kini	01/04/2025 to 02/04/2025

9	Add On Course “Hands-on Computer Networking: A Practical Approach”	AMGOI, Vathar	03/03/2025
10	Add On Course “Circuit Simulation”	AMGOI, Vathar	01/8/2025 to 10/11/2025
11	Circuit Simulation Technical Competition	AMGOI, Vathar	15/11/2025
12	One Day Workshop on “Design Thinking, Critical Design and Innovation Design”	AMGOI, Vathar	16/02/2026

- **Departmental Responsibilities:-** NAAC, IQAC Department Coordinator
SWAYAM NPTEL Department Coordinator, Skill Development Department Coordinator,
Extension Activities Coordinator, Social Media Cell Coordinator