

Mrs. Ketaki Ajinkya Jadhav

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Career Objective:

I aim to secure a position where I can contribute to the advancement of engineering education which will allow me to utilize my interest and passion for student development and make a significant contribution to overall growth of the institute.

Teaching Experience:

Name of College: Walchand College of Engineering, Sangli.

- Department: Electronics Engineering
- Experience: July 2025 - Present
- Designation: Assistant Professor
- Subjects handled: CMOS VLSI Design, Digital VLSI Design

Name of College: Rajarambapu Institute of Technology, Islampur.

- Department: Electronics & Telecommunications Engineering
- Experience: August 2022-Present
- Designation: Assistant Professor
- Subjects handled:
 - VLSI Testing & Verification
 - Computer Aided Design for VLSI
 - Network Theory
 - Signals & Systems
- Portfolios:
 - Social Media & Website Coordinator
 - Departmental Library Coordinator
 - IEEE Faculty Coordinator
 - Capstone Project Coordinator
- Certified AI for Youth trainer from Dell-Intel.

Name of College: Arvind Gavali College of Engineering, Satara

- Department: Electronics & Telecommunications Engineering
- Experience: 10 Months (October 2021-July 2022)
- Designation: Assistant Professor
- Subjects handled: Digital Signal Processing, Network Theory
- Portfolios:
 - Academic Monitoring Coordinator of E&TC department
 - ICT (Information and Communications Technology) coordinator
 - Departmental NBA Coordinator

Industrial Experience

- Name of the Company: Intel India Pvt. Ltd.
- Period of Internship: July 11, 2018 – July 12, 2019
- Worked in PD (Physical Design) team as SOC Development Intern.
- Handled the task of performing Physical Design for a block.
- Took the block from RTL to Synthesis and Placement and Route.
- Worked on ICC2 and Design Compiler.
- Designed optimal floorplans through various iterations enabling a smooth work for rest of the steps.
- Took block through Placement, Clock Tree Synthesis and Route.
- Performed timing, area, power optimizations on the block.
- Wrote Tcl scripts for common tasks to improve work and time efficiency.
- Performed Static Low Power Checks (VCLP) on various blocks resolved power issues.

Academics

Course	Institution	University/Board	Percentage/ Progress
Ph.D. (June 2023, Pursuing)	Research Centre- Cummins College of Engineering for Women, Pune.	Savitribai Phule Pune University	Coursework completed; 3 seminar presentations & 4 progress reviews completed.
M.Tech- E&TC (2019)	Cummins College of Engineering for Women, Pune.	Savitribai Phule Pune University	8.44
B.E- Electronics (2017)	Tatyasaheb Kore Institute of Engineering and Technology	Shivaji University, Kolhapur	66.25%
H.S.C	Kirloskar Junior College, Kirloskarwadi	Maharashtra Board	89%
S.S.C	Kirloskar Highschool, Kirloskarwadi	Maharashtra Board	98.55%

Ph.D. Topic

Title: Development of Super Resolution Technique to enhance the quality of video surveillance applications.

- The goal is to enhance the low-resolution videos which are degraded by blurring effect, aliasing artifacts and noise to high resolution videos.
- To develop a technique to improve the resolution of blurred videos in terms of Peak Signal to Noise Ratio (PSNR) and Structural Similarity Index (SSIM).

Academic Metrics

- International Journal: 2
- National Journal: 1
- International Conference: 2
- Workshops/FDP Organized: 7
- Workshops/FDP Attended: 19
- Papers Reviewed: 2
- IRG Generated: ₹ 10,000
- NPTEL Certifications: 2

Skills

Technical Skills:

- Languages: MATLAB, C, Tcl, Python, Arduino programming.
- Software: Cadence Virtuoso, Proteus, Synopsys Design Compiler, ICC2 Compiler.

Other Skills:

- Strong communication, presentation and comprehension skills.
- Good math and problem-solving skills.

Extra-Curricular Activities

- Member of Quality Circle team, awarded Gold Medal at State and National Level Conventions.
- Represented college in zonal level Badminton competition.
- State level and National level participation in Softball.

I hereby declare that the information furnished above is true to the best of my knowledge and belief.



Date: 24 / 12 / 2025

Ketaki Ajinkya Jadhav