

Faculty Profile



1. Name of Faculty: Dr. Kedar H. Inamdar
2. Designation: Professor
3. Department Name: Mechanical Engineering
4. Qualification: BE, ME, Ph.D.
5. Degree/ Diploma: Degree
6. Specialization: Mechatronics, Robotics, Automation, Quality Control, Industry 4.0, Additive manufacturing, Image Processing, PLC
7. Email Id: kedar.inamdar@walchandsangli.ac.in
8. Contact Number: 9850532432

9. Bio sketch:

Dr. Kedar H. Inamdar is a distinguished mechanical engineer with an impressive academic and professional track record spanning over 27 years. He earned his B.E. and M.E. degrees in Mechanical Engineering in 1995 and 1997, respectively. In June 2007, he successfully completed his Ph.D. in Mechanical Engineering, marking a significant milestone in his academic journey.

In the capacity of Head of Department from April 2019 to April 2023, he played a pivotal role in overseeing the department's operations, academic programs, and research initiatives, ensuring its success and growth. As the Chief Rector (2014 to 2017), he took on the crucial responsibility of ensuring the well-being and discipline of students living in the hostel. His leadership in this role contributed to creating a nurturing and secure living environment for students, which is essential for their overall development and academic success.

Throughout his career, he has been actively involved in various research areas, showcasing his expertise and commitment to advancing the field. His research interests include Quality Control, Mechatronics, Additive Manufacturing, 3D Scanning, Machine Vision, Image Processing, Industrial Automation, Robotics, Industry 4.0 and PLC technology, among others.

One of the outstanding aspects of his career is his extensive publication record. He has contributed significantly to the academic community with nearly 200 publications in reputable national and international journals and conferences. He also has four patents granted, demonstrating his commitment to innovation and practical solutions. His research findings have not only expanded the knowledge base but also have practical applications in various industries.

Beyond his research endeavors, he is also a dedicated educator and mentor. He has delivered numerous technical and inspirational lectures, as well as keynote talks tailored for undergraduate and postgraduate students. He has guided over 67 postgraduate students on their projects, many of which were sponsored by industries, demonstrating his strong ties to the world of practical applications and the industry-academia relationship.

He has also guided more than 30 undergraduate projects and has actively initiated and mentored student activities like BAJA, Efficycle, and SUPRA competitions conducted by SAE India, where his students have collectively won prizes exceeding ₹12 lakh. Currently, he is working as the coordinator for the college's social media presence, handling and publicizing various social media handles, newsletters, brochures, and related communications. Presently, he is also working as the coordinator for the Faculty Development and Training Cell (FTDC), which organizes workshops, seminars, and training sessions to enhance faculty skills, promote research culture, and support continuous professional development among teaching staff.

His efforts in academia extend to the publication of four textbooks for universities, including Chhattisgarh Swami Vivekanand Technical University, RTMU Nagpur, BTE, JNTU Kakinada, and JNTU Anantpur. This contribution has greatly benefited students and faculty in these institutions. He has also taken the initiative to organize five national short-term training programs for faculties, thereby facilitating the professional development of his colleagues. He has served as a judge and chairman for various national and international level events, has worked as a Ph.D. referee for numerous Ph.D. open defenses, and has contributed his expertise to various committees for AICTE, DTE, and the University, further contributing to the academic and technical community.

In terms of research funding, Dr. Inamdar's work has been supported by various grants, amounting to a total of Rs. 52,35,000/-, from prestigious organizations such as AICTE New Delhi and the Institute of Engineers (India) Kolkata. His project on the "Learning Factory" has proved to be a valuable resource for students, allowing them to transform their innovative ideas into practical working models.

His commitment to education, research, and industry collaboration has made a significant impact on the field of mechanical engineering. His dedication to students' success, research, and innovation exemplifies his valuable contributions to academia and the broader community. His lifelong membership with ISTE underscores his continued commitment to the academic world.

Publications Details:

Conference		Journal		Books	Patents
National	International	National	International		
42	54	33	70	4	4

Sponsored Projects:

Sr. No.	Name of Project	Sponsoring Agency	Grant	Status (Ongoing/completed)
1	Evaluation of surface roughness by optical technique using Ruby laser beam	The Institute of Engineers, Kolkata	Rs.75,000/-	Completed
2	Development of automated inspection method for metal casting under digital image processing techniques	AICTE, New Delhi	Rs.8,60,000/-	Completed
3	Learning Factory	AICTE, New Delhi	Rs.43,00,000/-	Completed