


DEPARTMENT OF MECHANICAL ENGINEERING

Name	Prof. M. T. SAWANT	
Designation	Assistant Professor & Workshop Superintendent	
Date of Birth	12/05/1981	
Highest Qualification	ME, PhD (Pursuing)	
Specialisation	Mechanical Engineering	
Teaching experience	12 yrs	
Industrial Experience	06 months	
Email id	mandar.sawant12@gmail.com	
Date of joining	21/08/2006	

RESEARCH AND PUBLICATIONS

No .of Papers presented/published (National conferences)	NA
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Details

No.of Papers presented / published (International conferences/ Journals)	06
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Details

- 1] [M. T. Sawant, J. S. Bagi, “QUALITY IMPROVEMENT THROUGH AUTOMATION OF PRODUCT DESIGN PROCESS IN A MANUFACTURING ORGANIZATION”, International Journal for Quality Research, Vol XXX no XXX, ISSN 1800 -6450](#)
- 2] Mandar Sawant, Ameya Dhuri, “ DESIGN AND FABRICATION OF METAL SPINNING WITH LATHE CARRIAGE” INTERNATIONAL JOURNAL OF MECHANICAL ENGINEERING (IJME)(ISSN 2321-6441) VOLUME & ISSUE NO: Volume 5, Issue 4, April 2017.
- 3] Mandar Sawant, Jatin Rane , “Automatic Pick and Place Robotic Arm and Voice Controlled AGV using Android Application” INTERNATIONAL JOURNAL OF MECHANICAL ENGINEERING (IJME)(ISSN 2321-6441) , VOLUME & ISSUE NO: Volume 5, Issue 3, March 2017
- 4] Mandar Sawant, Sameer Mestri , “ REVIEW ON AQUA SILENCER ” international journal for science and advance research in technology (IJSART)(ISSN 2395-1052) , VOLUME & ISSUE NO: Volume 4, Issue 1, January 2018
- 5] Mandar Sawant, Nadeem Shaikh , “ REVIEW ON DESIGN AND FABRICATION OF COCONUT DEHUSKING MACHINE ” international journal for science and advance research in technology (IJSART)(ISSN 2395-1052) , VOLUME & ISSUE NO: Volume 4, Issue 1, January 2018
- 6] Mandar Sawant, Sameer Mestri , “ Development of Aqua Exhaust Test Rig” International Conference on Mechanical, Manufacturing, Industrial and Civil Engineering (ICMMICE) held at New Delhi, India on 06 May, 2018.

No.of seminars	02
Details	<p>1)Seminar on Autocad arranged by Autodesk Co. Ltd at Gharada Institute of Technology, Khed, in Jan 2008</p> <p>2)Seminar on Robotics arranged by Mumbai university at Kalina on 13/05/2011</p>
No.of STTP/Workshops	11
Details	<p>1)Workshop on“Advanced Materials”arranged by Department of First Year Engineering, SSPMCoE, on 13th to 17th December 2010</p> <p>2) Wokshop on “Solar, Wind & Renewable Energy Sources ” arranged by Department of Electrical Engineering, SSPMCoE, on 30th May to 03th June 2011</p> <p>3) Wokshop on “Thermodynamics in Mechanical Engineering ” arranged by Department of Mechanical Engineering, IIT Bombay, on 14th June to 24th June 2011</p> <p>4) Wokshop on “Recent Trends In Automotive Engineering” arranged by Department of Automobile Engineering, RMCET, Deorukh on 27th Dec to 31st Dec 2011</p> <p>5) Wokshop on “Recent Trends In Mechatronics” arranged by Department of Mechanical Engineering, PVPIT, Pune on 16th & 17th April 2012.</p> <p>6) Wokshop on “Finite Element Analysis Using ANSYS” arranged by Department of Mechanical Engineering, SIT, Panhala, Kolhapur on 28th May to 01st June 2012</p> <p>7) Wokshop on “Engineering Thermodynamics” arranged by, IIT Bombay, on 11th to 21st December 2012</p> <p>8) STTP on “Outcome Based Accreditation (New NBA 2013 Format – Tier II) for Undergraduate Engineering Institutes” organized by Institution of Information Technology, AISSMS, Pune, on 26th to 28th August 2014.</p> <p>9) STTP on “Advanced Composite Materials” organized by VIIT, Pune, on 24th to 28th May 2016.</p> <p>10)Two week FDP on “ Emerging Trends and Approaches in Product Design and Development ” organized by PVPIT, Budhgaon, on 27th Nov to 9th Dec 2017.</p> <p>11) One week STTP on “ Introduction to FFT Analyzer and it’s Application for Industrial consultancy ” organized by COE, Pandharpur, on 11th to 16th Dec 2017.</p>
No.of projects guided at UG level	10
Details	<p>1] Design & Fabrication of chamfering machine for square & slotted jobs. [13-14]</p> <p>2] Fabrication of automatic bar feeding and cutting machine [13-14]</p>

	<p>3] Design & fabrication of mechanical lift trolley [14-15]</p> <p>4] Design & fabrication of windmill water pump [14-15]</p> <p>5] Design & fabrication of oil skimmer [5-16]</p> <p>6] Design & fabrication of hydraulic spring stiffness testing machine [15-16]</p> <p>7] Study of chip morphology in dry wet machining & MQL [15-16]</p> <p>8] Automatic Pick and Place Robotic Arm and Voice Controlled AGV using Android Application [16-17]</p> <p>9] Design and fabrication of metal spinning with lathe carriage [16-17]</p> <p>9] Development of Aqua Exhaust Test Rig [17-18]</p> <p>10] DESIGN AND FABRICATION OF COCONUT DEHUSKING MACHINE [17-18]</p>
Membership in Professional Bodies	1) Life Member of Indian Society for Technical Education, New Delhi. (LM-51605)
Research / Sponsored / Consultancy Projects	1] 'AUTOMATION OF SUBMERSIBLE MOTOR & PUMP COMPONENT DESIGN PROCESS' project sponsored by VIRA PUMPS Pvt.Ltd, MIDC, Kolhapur.
Awards / Honours / Prizes	<p>1] BE project group under my guidance Won 2nd prize at DIPEX-2017 project competition held at COEP Pune organized by ABVP, for 'Automatic Pick and Place Robotic Arm and Voice Controlled AGV using Android Application' project.</p> <p>2] BE project group under my guidance Won 1st prize at DIPEX-2018 project competition held at Walchand college Sangli organized by ABVP, for 'Development of Aqua Exhaust Test Rig' project.</p>
No.of Books published	NA
Details	-