

Ms. Sonali Shrikant Patil

ASSISTANT PROFESSOR

CONTACT

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<i>Research Interests</i>	<i>Courses Taught</i>	<i>Qualifications</i>
1 Machine Design 2.Strength of Machine Elements 3.Compliant Mechanisms 4. Micro-Nano manufacturing	Undergraduate Students	1. BE (Mechanical Engineering) 2. ME(Mechanical Design Engineering)

EXPERIENCE

Teaching : 2 Years

PUBLICATIONS

International Journal :

Sonali S. Patil and S. H. Mankar, "Topology optimization and analysis for double acting compliant retractor mechanism" International Journal of Current Engineering and Technology, E-ISSN 2277-4106, P-ISSN 2347-5161, 2016, Maharashtra; India.

International Conference :

Sonali S. Patil and S. H. Mankar, "Topology optimization methods for compliant mechanisms", Proceedings of ISET 2016 International conference on Energy and Developments; February 19-20, 2016, Maharashtra; India.

National Conference :

Sonali S. Patil and S. H. Mankar, "Topology optimization and analysis for compliant retractor mechanism" Mech PGcon 2016; July 20-22, 2016, Maharashtra; India

INTERNATIONAL EVENTS

1. International Workshop on Challenges and Issues in Development of Distributed Solar and Wind Energy Systems KJEl's Trinity College of Engineering & research ,Pune 20th and 24th February 2017
2. International Symposium on Engineering and Technology 2016 KJEl's Trinity College of Engineering & research ,Pune 19th February to 20th February 2016
3. International Symposium on Engineering and Technology 2015 KJEl's Trinity College of Engineering & research ,Pune 11th to 13th February 2015

1. NATIONAL EVENTS

1. National level workshop on Improving Quality of Engineering Institutes towards National Development through Research Activities KJEl's Trinity College of Engineering & research ,Pune 29th February to 1st March 2016.

STATE EVENTS

1. 1st Post Graduate Conference of Mechanical Engineering Flora institute of technology ,Pune 19th to 20th July 2015.
2. Faculty Training Program in Industrial Automation Maharashtra State Board of Technical Education 22ndto 26th February 2016

COLLEGE EVENTS

1. Faculty Development Program on CFD & Structural Analysis (ANSYS) KJEl's Trinity College of Engineering & research ,Pune 22nd to 23rd December 2015.
2. Intellectual Property Management (IPM) & Patent Lifecycle Management (PLM) KJEl's Trinity College of Engineering and Research, Pune 13th September 2014
3. Entrepreneurship awareness camp MES College of Engineering, Pune 20th to 22nd February 2014

DESIGN SKILLS

Software	Competency
Auto CAD	2 D Drawing . Drawing Sheets
SolidWorks	Part Modeling, Assembly, Drafting.
CATIA	Part Modeling, Sheet Metal, Surface Modeling, Assembly, Drafting.
ANSYS	Ansys APDL, Ansys Workbench–Static, Dynamic, Thermal, Modal,Harmonic, Crash, Fatigue and Optimization Analysis.

