

FACULTY PROFILE



Name: Pradeep Mohansingh Solanki

Highest Qualification: B.E. (Production), M.E.

A. Subject Taught:

- CAD/CAM
- MECHATRONICS
- Finite Element Analysis & Simulation
- Engineering Drawing & Elements of Mechanical Engineering
- Computer Methods In Mechanical Design
- Robotics
- Computer Graphics

B. Academic Performance:

Degree/ Certificate	Specialization	Year of Passing	Institute	Board/ University	Percentage	Division
Diploma	Production Technology	2001	SSBT's COET Jalgaon.	MSBTE	73.64	First Class
B.E.	Production	2004	SSBT's COET Jalgaon.	NMU	75.28	First Class with Distinction
M.E.	Mechanical (CAD/CAM)	2006	Ram Meghe College of Engineering Badnera	Amravati	70.87	First Class

C. Work Involvement at Institute & Department Level

At Institute Level

- 1) Training Placement Coordinator
- 2) Member of Scholarship committee
- 3) Member of Online Affiliation
- 4) Member of virtual Classroom
- 5) Member of FEAST Committee

At Department Level

- 1) In charge of Computer Lab.
- 2) Ex. Member of Sport committee.
- 3) Class teacher Section B.E.(A)

Faculty Development	
Papers in Conferences or Workshop Presentations or Publications	<ol style="list-style-type: none">1) Paper Presented on “Vibration Control in Mechanical system” in international conference on Advances in Mechanical Engg.2012 Organised by Dept. of Mechanical Engg. On 12-14 March 2012 at Amrutwani College of Engg. Sangamner2) Paper Presented on “Design of Geneva Mechanism for various Industrial Application” in international conference on Advances in Mechanical Engg.2012 Organised by Dept. of Mechanical Engg. On 12-14 March 2012 at Amrutwani College of Enggg. Sangamner.3) Paper Presented on “Wind mill Power generation using different rotor blade mechanism in international conference on “New Development and challenges in Engg. & tech. & Mgt. held on Thursday 22nd March 2012 at saraswati Edu.Society Yaswantrao Tasgaonkar group Mumbai..4) Paper Presented on “A review on Human Power operated devices” in 2nd International Conference on “Recent trends in engg. & Tech. (ICRTE 2013) held on 22 to 24 feb.2013, SNGB KB Jain COE, Chandwad.5) Paper Presented on “A review on Human Power operated devices” in International Conference on Advances n energy Technology held on 29 March.2013 at SSBT’s COET, Jalgaon.6) Paper Presented on “GA & SA applied to Design optimization” in International conference on MMOT in science & engg. Held on july 26 & 27 ,2013 at SSBT’s COET, Jalgaon7) Paper Presented on “Energy Recovery Using Thermoelectric Generator” in international conference on Sustainable Development Organized by Dept. of Mechanical Engg. On 25-26 February 2014 at SSBT’s COET,

	<p>Jalgaon.</p> <p>8) Paper Presented on “Venturi Design-Agriculture based case study” at national level paper presentation at Milestone 2K12 at SSBT’s COET, on 30th March 2012.</p> <p>9) Paper Presented on “Micro electrical Mechanical System” at national level paper presentation at Milestone 2K12 at SSBT’s COET, on 30th March 2012.</p> <p>10) Paper Presented on “Advanced Technology in Microelectromechanical system” at national level paper presentation at Techellence2012 at SSGB COE, Bhushawal, on 3rd March 2012.</p> <p>11) Paper Presented on “Photo elastic Stress Analysis” at national level paper presentation at Illumination 2K12 at Gangamai College of Engg. Nagaon, on 2nd March 2012.</p> <p>12) Paper Published on Design & Analysis of deep draw die component in National level student paper presentation Milestone 2K13 held on 2nd march 2013 at SSBT’s COET, Jalgaon.</p>
<p>Seminars / STTP</p>	<p>1) 1. National level workshop on “Research Methodology” organized by Dept. of Mechanical Engg. on 17th to 19th Oct.2011.</p> <p>2) Two Day workshop on “Master cam milling & Robot Programming” at Godavari College of Engg. Jalgaon n 30th & 31st Jan.2012.</p> <p>3) Two week ISTE workshop on introduction to research methodologies conducted by Indian Institute of technology Bombay from 25th June to 4th July 2012.</p> <p>4) Two Day Workshop on ‘Akash for Education conducted by IIT, Bombay on 10th & 11th Nov.2012</p> <p>5) One Week STTP from 25th Oct. to 29th Oct.2010 on Advances in Tribology Organized by Dept. of Mechanical Engg. SSBT’s COET, Jalgaon.</p> <p>6) Two Week STTP on “Fluid Mechanics” organized by IIT, Bombay, on 20/05/14 to 30/05/14.</p> <p>7) One week STTP on “Design of Experiments & Optimization Techniques (DOE-OT-15), Sponsored by ISTE during 1st to 5th June 2015 held at Department of Mechanical Engineering.</p>

<p>Papers in Journal National or International</p>	<ol style="list-style-type: none"> 1. Paper Published on “WEAR ANALYSIS OF U- JOINT NEEDLE BEARING” in International Journal of Science, Environment and Technology, Vol. 2, No 2, 2013, 162 – 167. 2. Paper Published on “Failure of Underground Unplastictised Polyvinyl Chloride Plastic Sewer Chamber Cover when vehicle passing Over” in International Journal Engineering Research and application, Vol. 3, No 1,Jan- feb.2013, 1557 – 1564. 3. Paper published on “APPLICATION OF SIMULATED ANNEALING ALGORITHM (SA) FOR DESIGN OPTIMIZATION OF AUTOMOBILE SUSPENSION SYSTEM” in International Journal of Innovative Research in Science, Engineering and Technology , <i>Vol. 2, Issue 6, June 2013</i>, ISSN: 2319-8753 4. Paper published on “Design and Analysis of Draw Die for Improvement in Horn Cup” in PARIPEX - INDIAN JOURNAL OF RESEARCH, Volume: 2 Issue: 7 July 2013 ISSN - 2250-1991, 62-64. 5. Paper published on “Design And Analysis Of Vertical Axis Wind Mill By Using Modified Savonius Rotor System” in International Journal on Infinite innovations in Technology, Volume II, Issue II , Reg.No.: 20130902,DOI: V212PO2. 6. Paper published on “Vibration Analysis of a Two Wheeler (Analytically) ” in International Journal of Innovative Research in Science, Engineering and Technology, Volume. 3, Issue 11, November 2014. 7. Paper published on “A Critical Review on Operating Variables of Solar Thermoelectric Power Generator” in International Journal of Innovative Research in Science, Engineering and Technology, Volume 3, NO. 2, June 2015.
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	8. Paper published on “ Design Considerations for Thermoelectric Generator Performance Improvement: A Critical Review ” in International Journal of Innovative Research in Science, Engineering and Technology, Volume 3, NO. 2, June 2015.
Fund Received	Received financial assistance of Rs.1,10,000/- under the scheme of RGS&TC, Government of Maharashtra through North Maharashtra University, Jalgaon for research proposal on “ Investigation of factors affecting on performance of a thermoelectric generator”

Date & Sign

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