

**Name** **MR. DIPAK V. PATIL**  
**B.E.(Mechanical)**  
**M.E.(Mechanical Machine Design)**

**Designation** Assistant Professor  
**Department** Mechanical Engineering  
**Date of Joining the Institute** 01/10/2013  
**Education** B.E.(Mechanical Engineering),MCEN, 2013  
M.E (Machine Design), FAMT, 2016  
**Branch / Specialization** Mechanical Machine Design  
**Areas of Interest** CAD/CAE, FEA, Mechanical Vibration, SOM  
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### Academic Appointments

Name of the University / Institute/ Industry	Duration	Designation
<b>Finolex Academy of Management and Technology, Ratnagiri</b>	<b>From 01/10/13 to 31/05/14</b>	<b>Teaching Assistant</b>
<b>Finolex Academy of Management and Technology, Ratnagiri</b>	<b>From 04/07/14 to 31/05/17</b>	<b>Lecturer</b>
<b>Finolex Academy of Management and Technology, Ratnagiri</b>	<b>From 03/07/2017 to till date.</b>	<b>Assistant Professor</b>

**Total Experience – 4 Years**

## Papers Published

### Papers Presented/Published in National / International Journals - 04

#### International Journals – 04

1. Published Paper "**A Review on Effect of Spot Weld Parameters on Spot Weld Strength**" in International Journal of Engineering Development and Research (IJEDR), ISSN: 2321-9939, Vol.3, Issue 1, and pp.1-6, Jan 2015.
2. Published Paper "**Wear Analysis of Hip Joint Prosthesis: A Review**" in International Journal for Research in Applied Science & Engineering Technology (IJRASET), volume 4(2) 2016.
3. Published Paper "**Finite Element Analysis of thin-walled beams joined by spot welding**", International Journal of Science & Engineering Development Research (www.ijedr.org), ISSN:2455-2631, Vol.2, Issue 5, page no.410 - 415, May-2017, Available :<http://www.ijedr.org/papers/IJEDR1705073.pdf>
4. Published Paper "**Overview of Current Piping Design Aspects**" Potdar D.G., Pandit G.D., Patil D.V., Sakharkar S.N., International Journal for Science and Advance Research in Technology (IJSART)- Volume 3 Issue 11 – NOVEMBER 2017 ISSN [ONLINE]: 2395-1052
5. Publishing "**Influence of Stiffener's Profile on the Natural Frequencies of the Spot Welded Stiffened Plates**" (In process) Elsevier (Thin Walled Structures) 2017.

### Papers Presented/Published in National/ International Conferences - 03

#### International Conferences – 01

1. Presented Paper "**Modal Analysis of Spot Welded Stiffened Plates**" 2 days International Conference On 'Emerging Trends in Science Technology Engineering and Management 'at Malla Reddy Engineering College (Autonomous), Hyderabad on 9th &10th October 2015 (PN. 578-582).

#### National Conferences – 02

2. Presented Paper "**Review on Effect of Spot Weld Parameters on Spot Weld Strength for Reducing Vibrations**" in National conference on 'Methods of Reducing the Odd Effects of Mechanical Vibration and Noise' 27&28 Nov 2014 at SVERI COE Phanderpur (Page No.137-144).
3. Presented Paper "**A Review and Approach to Vibration Analysis of Stiffened Plate**" at 2nd National Conference on Recent Advances in Science and Technology on 17th &18th February 2016, held at FAMT, Ratnagiri.

### **STTPs and FDPs**

1. Attended Five days STTP on “**Vibration Monitoring & Analysis using FFT Analyzer**” at ADCET, Ashta, Sangli held during 28/12/2015 to 01/01/2016.
2. Attended Two week STTP on “**Model Based Design in Applications of Engineering & Science using Matlab & Simulink**” at Smt. Kashibai Navale College of Engineering, Vadgaon (Bk), Pune, held during 04/12/2017 to 15/12/2017.

### **Conferences and Seminars**

1. Participated & Presented Poster at **Eighth Indian Youth Science Congress** from February 16-18, 2017 held at University of Mumbai.
2. Selected Project for **College Level Round, District Level Round, and University Final Round** for Poster Presentation entitled “**Influence of Stiffener’s Profile on the Natural Frequencies of the Spot Welded Stiffened Plates**” at **Avishkar Research Convention** organized by Mumbai University held at A.C.Patil College of Engineering Kharghar, Navi Mumbai.
3. Attended 2<sup>nd</sup> **National Conference on Recent Advances in Science and Technology (RAST)** organized by Finolex Academy of Management and Technology, Ratnagiri from 17<sup>th</sup> to 18<sup>th</sup> February 2016.
4. Attended 2 days **International Conference On ‘Emerging Trends in Science Technology Engineering and Management** ‘at Malla Reddy Engineering College (Autonomous), Hyderabad on 9th & 10th October 2015

### **Workshops**

1. Two days’ workshop on “**Computational Fluid Dynamics**” by Dr. Atul Sharma, IIT Bombay, Oct 2013.
2. Two week workshop on “**Control Systems**” from 2<sup>nd</sup> December to 12<sup>th</sup> December 2014 , organized by Indian Institute of Technology Kharagpur.
3. Two day ISTE e-Seminar on “**Steps 2 Research**” organised by Amal Jyoti College of Engineering, Kanjirappaly in association with ISTE Kerla Section from 19th September to 20th September 2014.
4. Two days’ workshop on “**NI LabVIEW**” by Arav Technologies, March 2014 at FAMT, Ratnagiri.

## Professional Membership

1. Indian Society of Technical Education (I.S.T.E)

## Other Experience

1. Obtained Post Graduate Diploma in **Industrial Robotics & Automation (PGDIRA)** from **Technocrat Automation Pvt. Limited (IAO Accredited), Chennai**. With 01 months hands on practical experience in Industrial Automation Tools specializing in PLC, SCADA and Robotics.
2. Guided & Supervise **Team 25 Nightmares** who Secured the **2nd Rank &** won the **Best Innovation Award** in the National level **Student Grand PRIX 2K17** event organized by Seven Motors at **Visakhapatnam during 26 - 28 February 2017**.

## Subject Taught

Sr. No.	Name of the Subject	Year/Branch/Semester	Experience
1.	Non-Conventional Energy Sources	B.E. (Sem-VIII)	1 Years
2.	CAMD-SolidWorks 2012	S.E. (Sem - III)	3 Years
3.	ED-AutoCAD	F.E. (Sem - II)	3 Years
4.	FEA-ANSYS APDL	T.E. (Sem - VII)	2 Years
5.	Strength of Materials (P)	S.E. (Sem - III)	2 Years
6.	Fluid Mechanics (P)	S.E. (Sem - IV)	2 Years
7.	Engineering Mechanics (P)	F.E. (Sem - I)	2 Years
8.	Internal Combustion Engine (P)	T.E. (Sem - VI)	2 Years