

**Name** MR. TUSHAR V. KAVATKAR  
B.E.(AUTOMOBILE), ME MECHANICAL

**Designation** Assistant Professor

**Department** MECHANICAL

**Date of Joining the Institute** 01/03/2012

**Education** BE in AUTOMOBILE, RMCET, 2010  
ME, FAMT, 2014

**Branch / Specialization** MACHINE DESIGN

**Areas of Interest** Composite Sandwich Core Structures, Automotive, Control System and Vibration.

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### Academic Appointments

Name of the University / Institute/ Industry	Duration	Designation
Finolex Academy of Management and Technology, Ratnagiri	From 01/03/2012 to till date	Assistant Professor
Rajendra Mane Polytechnic	From 04/07/2011 to 28/02/2012	Lecturer

**Total Experience – 6 Years**

### Students projects Guided at Bachelors Level

1. Experimental Parametric Analysis of Composite sandwich Panel.
2. Analysis of Corrugated wire Mesh laminates.
3. Experimental Parametric Study of Corrugated Wire Mesh Laminates.
4. Intelligent Braking system.

## Seminars/Lecture/Invited Talks Conducted

1. Delivered a lecture on the subject **Time Response Analysis of System** for the students of Third Year Electronics & Telecommunication **Rajendra Mane Polytechnic, Ambav, Devrukh.**
2. Delivered a lecture on the subject **Mechanical and Automobile systems** for the students of Third Year Electronics & Telecommunication **Rajendra Mane Polytechnic, Ambav, Devrukh.**
3. Delivered a lecture on the subject **Stability Analysis** for the students of Third Year Electronics & Telecommunication **Rajendra Mane Polytechnic, Ambav, Devrukh.**
4. Organized Seminar on the subject **“Career Opportunities for Mechanical Engineers under MESA”** on 21<sup>st</sup> January 2016 at FAMT, Ratnagiri.
5. Conducted **“Blood Donation Camp” held on 31<sup>st</sup> Aug 2016 through MESA** in association with Lions Club Ratnagiri at Finolex Academy of Management and Technology Ratnagiri.
6. Conducted **“Book Fair Event” held on 01<sup>st</sup> Sep 2016 through MESA** at Finolex Academy of Management and Technology Ratnagiri.
7. Organized **“Driving License Camp and Expert Lecture on Road Safety” held on 21<sup>st</sup> Jan 2017 through MESA** in association with **DLLE** at Finolex Academy of Management and Technology Ratnagiri.
8. Organized **AUTOEXPO** and **AUTOTECH** under MESA on 3<sup>rd</sup> March and 4<sup>th</sup> March 2017 at Finolex Academy of Management and Technology Ratnagiri.
9. Organized number of Technical and Non-Technical events through **“TECHNOVERVE 2K16”** and **“TECHNOVERVE 2K17”** under **MESA** at Finolex Academy of Management and Technology Ratnagiri.

## Papers Published

### Papers Presented/Published in National / International Journals - 05

#### International Journals – 05

1. “Experimental & Statistical Parametric Investigation of CWML Sandwich Panel”, International Journal of Innovations in Engineering and Technology. 2017 IJIET | Volume 8, Issue 1 | ISSN: 2319-1058.
2. “Finite Element Analysis of thin-walled beams joined by spot welding”, International Journal of Scientific Development and Research IJSDR1705073.
3. “Design and Analysis of Intelligent Braking System”, International Journal of Engineering and Development Research. 2017 IJEDR | Volume 5, Issue 1 | ISSN: 2321-9939.
4. “Experimental Parametric Study of Corrugated Wire Mesh Laminates by Taguchi Design of Experiments”, in International Journal of Engineering and Development Research. 2014 IJEDR | Volume 2, Issue 2 | ISSN: 2321-9939

5. "Wear Analysis of Hip Joint Prosthesis: A Review", International Journal for Research in Applied Science & Engineering Technology (IJRASET). Volume 4 Issue II, February 2016 ISSN: 2321-9653
6. "Experimental Investigation for Minimization of Spring back in L bending using Taguchi Design of Experiments", International Journal for Innovative Research in Science & Technology | Volume 2 | Issue 09 February 2016 ISSN: 2349-6010

### Number of Workshops, Seminars, STTPs, FDPs Attended – 31

#### Two Week or One Week Workshops

1. One week workshop on "Recent Trends in Automotive Engineering" RM CET, Ambav.
2. One week workshop on "Mission 10 X", WIPRO.
3. Aakash Education Workshop, IIT.
4. Engineering Thermodynamics, IIT.
5. Two weeks workshop on "Fluid Mechanics workshop", IIT.
6. Two weeks workshop on "Control System", IIT.
7. Workshop on "Steps to Research"

### Professional Membership

1. Society of Automotive Engineering (S.A.E)

### College Exam Duties

1. Carried out exam related duties such as **Moderator, Examiner and External Examiner** for conducting practical and oral exam as pointed by Board of Examination, Mumbai University

### Other Experience

#### College Level Committees

1. Worked as departmental organizing **committee member** in 2nd National Conference on "**Recent Advances in Science and Technology**"
2. Worked as Faculty Advisor for **National Kart Racing Championship Team** and achieved all India 35<sup>th</sup> Rank.

3. Worked as Faculty Advisor for **India Karting Championship** and achieved all India 7<sup>th</sup> Rank.
4. Working as a **Faculty In charge** for **MECHANICAL STUDENTS ASSOCIATION [MESA]** from July 2015 -2016 till date.
5. Working as a **Faculty In charge** for **Event Management and Website Updating Committee.**

**Judge Panel / Staff Selection Committee / Subject Expert**

1. Worked as a **Judge** for Pioneer 2k17 **A state level technical paper presentation competition** organized by **Rajendra Mane Polytechnic, Devrukh** on 10<sup>th</sup> January 2017.

**Subject Taught**

Sr. No.	Name of the Subject	Year/Branch/Semester	Experience
1.	Automobile Engineering	BE MECH (Sem - VIII)	5 Years
2.	Mechanical Measurement & Control	TE MECH (Sem - V)	4 Years
3.	Mechanical Vibrations	TE MECH (Sem - V)	2 Years
4.	IC Engines	TE MECH (Sem - V)	1 Years