

<b>Name</b>	<b>MR. KAUSHAL K. PRASAD, B.Tech. Mech. Engg., M.Tech. Thermal Engg., Ph.D.</b>
Designation	Principal, Professor
Department	Mechanical Engineering
Date of Joining the Institute	02/07/1997
Education	B. Tech. Mechanical Engg., DBATU, Lonere M. Tech. Thermal Engg., IIT, Kharagpur Ph. D., IIT, Bombay
Branch / Specialization	Mechanical/Thermal
Areas of Interest	
Email	principal@famt.ac.in
Personal Homepage link	-



### Academic Appointments

Name of the University / Institute / Industry	Duration	Designation
Finolex Academy of Management and Technology, Ratnagiri	10/10/2016 to till date	Principal
Finolex Academy of Management and Technology, Ratnagiri	01/07/2013 to 09/10/2016	Professor
Finolex Academy of Management and Technology, Ratnagiri	01/07/2005 to 31/06/2013	Assistant Professor
Finolex Academy of Management and Technology, Ratnagiri	01/07/2003 to 31/06/2005	Senior Lecturer
Finolex Academy of Management and Technology, Ratnagiri	02/07/1997 to 31/06/2003	Lecturer
Dr. B.A.T. University, Lonere	One academic year	Lecturer

**Total Experience – 21 Years**

## Awards / Honors / Prizes

1. **Best Teacher** in the area of Engineering Education by **Higher Education Forum (HEF)** in **2017**.
2. **Best Paper Award** in International Conference on Sustainable Development in Design and Manufacturing, held on 12th -13th January 2017 at Saraswati College of Engineering Navi Mumbai for the research paper entitled, "**Screw Feeder performance prediction using Discrete Element Method (DEM)**".
3. **Best Teacher** in the area of Engineering Education by **Higher Education Forum (HEF)** in **2015**.

## Students projects Guided at Masters Level

1. Experimental Study of Residual Tensile Strength of Drilled Composite.
2. Analysis of Parameters Affecting Performance of the Screw Feeders.
3. Influence of Stiffener's Profile on the Natural Frequencies of Spot Welded Stiffened Plates.
4. Effect of Hardening on Corrosion Behavior of 6XXX Series Aluminum Alloy.
5. Experimental Parametric Study of Scarf Adhesive Joint Under Static Tensile Load.
6. Vibration Analysis of Plates with Spot Welded Stiffeners.
7. Investigation of Metal Stiffeners in FRP Composite Gears for Increasing Tooth Bending Strength.

## Seminars/Lecture/Invited Talks Conducted

1. Two week workshop on "**Fluid Mechanics**" Conducted by Indian Institute of Technology, Kharagpur in association with ISTE from 5th May to 16th May 2014.
2. Two day Work shop on "**Computational Fluid Dynamics**" in November 2013.

## Papers Published

### Papers Presented/Published in National / International Journals - 11

#### International Journals – 11

1. Dipak Vilas Patil , Dr. Kaushal Prasad , Ganesh A Sankpal , Tushar V Kavatkar, "**Finite Element Analysis of thin-walled beams joined by spot welding**", International Journal of Science & Engineering Development Research, ISSN:2455-2631, Vol.2, Issue 5, page no.410 - 415, May-2017.

2. Girish D. Pandit, Dr. Kaushal Prasad, "**Experimental Study of Residual Tensile Strength of Drilled Composite**", International Journal of Material Science and Engineering, Vol.4, DOI: 10.17706/ijmse.2017.5.1. pp: 35-46.
3. Prabodh B. Horambe, Dr. Kaushal Prasad, "**Experimental Parametric study of Scarf Adhesive Joint under Static Tensile Load**", International Journal of Material Science and Engineering, Vol.4, DOI: 10.17706/ijmse.2016.4.2. pp: 69-79.
4. Suraj Patinge and Dr. Kaushal Prasad, "**Effect of Parameters on the Screw Feeder Performance using Discrete Element Method**," Asian Journal of Convergence in Technology, Volume II, Issue III, February 2016.
5. Sanket S. Mulye, Swanand S. Nalawade, Tej S. Shetye, Kaushal K. Prasad, "**Performance Testing of CI Engine Fuelled with Blends of Fish Oil Biodiesel and Sea Mango oil Biodiesel with Diesel**" International Journal of Alternative fuels, ISSN:2051-5987, Vol.17, September 2015, Issue.2, 1145-1149.
6. Dipak V. Patil, Ganesh A. Sankpal, Dr.Kaushal Prasad. "**A Review on Effect of Spot Weld Parameters on Spot Weld Strength**", International Journal of Engineering Development and Research (IJEDR), ISSN: 2321- 9939, Vol.3, Issue 1, and pp.1-6, Jan 2015.
7. Pravin Nana Jadhav, Kaushal Prasad, "**Dynamic Analysis of Plates with Spot Welded Stiffeners**", 'International Journal of Enhanced Research in Science Technology & Engineering, Vol. 3 Issue 9, Sept.-2014, pp: (58-65), ISSN: 2319-7463.
8. Priyanka Pramod Pawaskar and Kaushal Prasad "**Investigation of Metal Stiffner in FRP Composite Gears for Increasing Tooth Bending Strength**", International Journal of Mechanical And Production Engineering, 2 (3), 2014 pp: (33-37), ISSN: 2320-2092.
9. Kaushal Prasad., Agrawal A., and Sharma A., "**Poiseuille Flow across an Eccentrically Confined Stationary/Rotating cylinder**", Ocean Engineering 73 (2013), pp: (41-54).
10. Pravin Nana Jadhav, Kaushal Prasad, "**Vibration Analysis of Plates with Spot Welded Stiffeners**", 'International Journal of Latest Trends in Engineering and Technology', 3(1), 2013, pp: (162-174), ISSN: 2278-621X.
11. Kaushal Prasad, Paramane S., Agrawal A., and Sharma A., "**Effect of Channel Confinement and Rotation on the Two- Dimensional Laminar Flow and Heat Transfer across a cylinder**", Numerical Heat Transfer A, 60 (2), (2011) pp: (699-726), DOI: 10.1080/10407782.2011.616843.

## Papers Presented/Published in National/ International Conferences - 20

### International Conferences – 11

1. Suraj Patinge and Dr. Kaushal Prasad, "**Screw Feeder performance prediction using Discrete Element Method (DEM)**," in International Conference on Sustainable Development in Design and Manufacturing, ICSDDM-2017, 12th -13th January 2017 at Saraswati College of Engineering (SCOE) Navi Mumbai (Awarded as best research paper).

2. Girish Pandit and Dr. Kaushal Prasad, "**Analytical Study of Thrust Force for Drilled Composite,**" in International Conference on Sustainable Development in Design and Manufacturing, ICSDDM-2017, 12th -13th January 2017 at Saraswati College of Engineering (SCOE) Navi Mumbai.
3. Girish Pandit and Dr. Kaushal Prasad, "**Optimization of drilling parameters for maximum tensile strength of composite material.,**" in International Conference on Modern Era Research in Mechanical Engineering, MERME-16, 29th -30th September 2016 at Rajarambapu Institute of Technology, Islampur.
4. Suraj Patinge and Dr. Kaushal Prasad, "**Effect of operating parameters on the Screw Feeder Performance using Discrete Element Method,**" in International Conference on Modern Era Research in Mechanical Engineering, MERME-16, 29th -30th September 2016 at Rajarambapu Institute of Technology, Islampur.
5. Aditya R. Prabhukhot, Dr. Kaushal Prasad, "**Effect Of Heat Treatment On Hardness Of 6082-T6 Aluminium Alloy**" Organized by Saraswati College of Engineering, Khargar, Navi Mumbai on December-2015, Maharashtra, India.
6. Dipak V.Patil, Kushal Prasad, "**Modal Analysis of Spot Welded Stiffened plates**", International Conference On Emerging Trends in Science Technology Engineering and Management, at Malla Reddy Engineering College (Hyderabad) in October-2015.
7. Aditya Prabhukhot, Dr. Kaushal Prasad, "**Development of immersion corrosion test rig to study effect of high temperature and velocity water on corrosion rate of Al-Mg-Si alloy**", International Conference on Recent Trends in Engineering Science and Mangement, 15th March 2015.
8. Kaushal Prasad., Agrawal A., and Sharma A., "**Effect of Cylinder-spacing on flow across three side-by-side Cylinders at  $Re=100$** ", Proc. IUTAM Symposium on Bluff Body Flows, IIT Kanpur, India, (2011), pp: 167-170.
9. Kaushal Prasad, Paramane S., Agrawal A., and Sharma A., "**Forced Convective Flow across a Rotating Cylinder in a Plane Channel**", Proc. 20th National and 9th ISHMT-ASME Heat and Mass Transfer Conference, Mumbai, India, (2010)", PP: 1256-1262.
10. Kaushal Prasad and R.K. Brahma "**Effect of aperture ratio on heat transfer through a partially open tilted cavity**" 18th National & 7th ISHMT-ASME Heat and Mass transfer Conference, Guwahati, India (2006), pp:222-228.
11. Kaushal Prasad, "**Analysis of heat transfer through partially open tilted cavity**" State of the art of technologies in Mechanical Engineering JNTU Hyderabad, May-2006, Andhra, India.

#### **National Conferences – 09**

1. Girish Pandit, Dr. Kaushal Prasad, "**Review on Changing Technology Based Rural Development**", 2<sup>nd</sup> National Conference on Changing Technology and Rural Development on 22<sup>nd</sup> and 23<sup>rd</sup> December 2017, held at Rajendra Mane College of Engineering & Technology, Ambav.
2. D.V.Patil & Dr. Kaushal Prasad "**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, pp: (62-67).

3. Girish Pandit & Dr. Kaushal Prasad "**Optimization of Drilling Parameters for hole quality of Composite Material**" at 2nd National Conference on Recent Advances in Science and Technology on 17th &18th February 2016, held at FAMT, Ratnagiri, pp: (39-41).
4. Prabhod B Horambe, Dr. Kaushal Prasad & S. S. Mestry "**Experimental Study and Analysis of Tensile Stress in Scarf Joint**", at 2nd National Conference on Recent Advances in Science and Technology on 17th &18th February 2016, held at FAMT, Ratnagiri, pp: (28-34).
5. Suraj Patinge & Dr. Kaushal Prasad "**Effect of Various Parameters on the screw feeder performance using discrete element method**", at 2nd National Conference on Recent Advances in Science and Technology on 17th &18th February 2016, held at FAMT, Ratnagiri, pp: (38-38).
6. Pravin Nana Jadhav, Prasad Kaushal, "**Study of spot welded stiffeners**" in National Conference in "Recent Advanced in Engineering and Technology" Organized by Gharda Institute of Technology on November-2013, Maharashtra, India.
7. Prasad K., Agrawal A., and Sharma A., "**Effect of Rotationally Oscillating Side Cylinders on Free Stream flow across a Stationary Cylinder**", Thirty Ninth National Conference on Fluid Mechanics and Fluid Power, SVNIT Surat, December-2012, Gujarat, India.
8. Prasad K., Agrawal A., and Sharma A., "**Numerical Analysis of Forced Convective heat Flow across a Rotating Cylinder in a Channel**", National Conference on advances in Heat and Mass Transfer, FAMT, Ratnagri, October-2009, Maharashtra, India.
9. Kaushal Prasad "**Importance of industry institute Interaction**" Fourth Maharashtra-Goa State ISTE Convention, Yavatmal, November- 1999, Maharashtra, India.

### Number of Workshops, Seminars, STTPs, FDPs Attended – 11

#### STTPs and FDPs-01

1. Two Week short term training program Conducted by K.J. Somaiya College of Engineering Mumbai on "**Technology Development in Refrigeration and Air-Conditioning**" approved by ISTE from May 2-12, 2006.

#### Conferences and Seminars-01

2. Two day ISTE e-Seminar on "**Steps 2 Research**" organised by Amal Jyoti College of Engineering, Kanjirappaly in association with ISTE Kerla Section from 19<sup>th</sup> September to 20<sup>th</sup> September 2014.

#### Two Week or One Week Workshops-04

3. One Week ISTE workshop on "**NAAC**" at Saraswati college of Engineering, Kharghar from 20th July to 25th July 2015.
4. One Week co-ordinator workshop on "**Fluid Mechanics**", Conducted by Indian Institute of Technology Kharagpur from 11th March to 15th March 2014.

- Two week workshop on "**Engineering Mechanics**" Conducted by Indian Institute of Technology Bombay in association with ISTE from 26th Nov. to 06th Dec 2013.
- Two week workshop on "**Cyber Security**" Conducted by Indian Institute of Technology Bombay in association with ISTE from 10th Jul. to 20th Jul 2013.

### Workshops-05

- One Day Workshop on "**Violence against Women**" Conducted Jointly by RPGC and WDC of University of Mumbai on 6th August 2013.
- Two day orientation program on "**Computational Fluid Dynamics**" Conducted by Sardar Patel College of Engineering Bombay from 18th September to 19th September 2009.
- One Day Workshop on "**Quality Education on Engineering and Technical Institution**" Conducted by Finolex Academy of Management and Technology Ratnagiri on 24th January 2009.
- Two day workshop on "**LINUX**", Conducted by CSEA by Indian Institute of Technology Bombay from 18th August to 19th August 2007.
- Two Day Workshop on "**SONIC-06**" Conducted by International Institute of Information Technology, Pune and Fluent India and WDC of University of Mumbai on from 22th September to 23rd September 2006.

### Professional Membership

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

### Other Experience

- Research Experience: 06 Years** (as Ph.D. student at IIT- Bombay)

### Subject Taught

Sr. No.	Name of the Subject	Year/Branch/Semester	Experience
1.	Engineering Thermodynamics	S. Y. B. Tech. / Mechanical / III	1 Year
2.	Engineering Drawing	F. Y. B. Tech. / Mechanical / I	1 Year
3.	Engineering Drawing	F.E./Mechanical	5 Years
4.	Fluid Mechanics	S.E./Mechanical	6 Years
5.	Heat Transfer	T.E./Mechanical	4 Years

6.	Internal Combustion Engine	T.E./Mechanical	3 Years
7.	Heat Transfer	T.E./Mechanical	4 Years
8.	Power Plant Engineering	B.E./Mechanical	3 Years
9.	Kinematics of Machinery	S.E./Mechanical	3 Years
10.	Computational Fluid Dynamics	M.E./Mechanical	3 Years
11.	Refrigeration and Air Conditioning	B.E./Mechanical	2 Years