



1) Name:Dr. Ravindra B. Ingle

2) Designation:: Dean Academics, Professor and Head

3) Qualification: Ph.D.(Mech), M. Tech(Design), B.E.(Mech)

4) Experience:: Total = 32 Years

(Industry – 03 Years, Teaching- 29 Years, Research –11 Years inclusive)

5) Area of Interest: Vibration and Noise, Composites and Tribology

6) Workshop Attended: 30 Nos (QIP / TEQIP / STTP / AICTE / UOPune)

At : IIT Delhi, IIM Banglore, COEPune, ARAI Pune, VIT Pune, SJCOE Mysore, CCOEW Pune

7) Paper Presented / Published: 43 Nos.

International Journals → 10

National Journals → 05

ASME World Congress → 01

World Maritime Congress → 01

International Conferences → 12

National Conferences → 14

8) Departmental Administrative Responsibilities:

- i. Overall Responsible for all committees
- ii. Academic Monitoring
- iii. Industrial Visits
- iv. Guest Lectures from Industry Eminent
- v. LIC / PAC / NBA
- vi. Autonomy Structure-Syllabus Design / BOS

9) Contribution in the University Activities:

- i. Member of BOS Mechanical of SPPU
- ii. Chairman, Paper setter and Moderator
- iii. Member of Selection Committee
- iv. Member of Local Inquiry Committee
- v. Principal Investigator of BCUD project
- vi. Ph.D. Guide in Mechanical Engg. (Design)
- vii. PG recognized Teacher of SPPU

10) Membership of Scientific and Professional Society:

- a. Association of Machines and Mechanism
- b. Indian Society of Technical Education

11) Samstha Level administrative Responsibilities:

- a. Dean Academics
- b. Member of Governing body
- c. Member Secretary Academic Council

12) Subject teaching at Under Graduate Level:

- a. Dynamics of Machinery,
- b. Theory of Machines I & II
- c. Mechanical System Design

13) Subject teaching at Post graduate level:

- a. Mechanical Vibrations
- b. Kinematics Analysis and Synthesis of Mechanism

14) Projects Carried out :

- i. 100 + projects carried out in the area of Design Engg. at UG and PG level
- ii. 01 at Ph.D. level in Vibration and Tribology
- iii. 01 R & D project , AICTE, New Delhi
- iv. 01 BCUD project, at SSPU

15) Patents: -

01) Name: Dr. Anand K. Bewoor

02) Designation:- Professor of Mechanical Engineering Department

03) Qualification: B.E.(Mech.), M.E. (Mech.), Ph.D.(Mech.)

04) Experience: Teaching- 13.5 Years, Industry – 3.5 Years

05) Area of Interest: Manufacturing Engg., Industrial Engg. and Quality Management,



06) Workshop Attended

1. 22nd Oct -3rd Nov. 2007 ISTE sponsored **Two week** SDP on ‘Reliability and Failure analysis of Engg System’ at Prod. Engg. Dept., Sinhgad C.O.E., Pune.
2. 3rd – 13th Jan.2007 ISTE sponsored **Two week** SDP on ‘Metrology and Quality Control’, SVCP, Pune.
3. 19-31 Dec.-2005 AICTE sponsored **Two week** SDP on “Nano Technology- Opportunities & Challenges”, BATU, Lonere.
4. 7th to 19th Nov. 2005 AICTE sponsored **Two Week** SDP on “Recent Trends in Refrigeration & Air Conditioning”, S.C.O.E., Pune.
5. 15th – 27th May 2006 AICTE sponsored **Two Week** Summer SDP on “EN-Mathematica”, Mathematics Dept, S.C.O.E., Pune.
6. 20-31 Dec.-2004 **Two Week** SDP on “Developing Technology Competencies”, NITTTR Extn. Centre, Pune.
7. 13th – 17th Nov. 2006 **One week** SDP on “Finite element analysis using ABACUS”, at **S.C.O.E.**, Pune.
8. 12th -17th June 2006 Attended **One week** Short Term Programme on ‘Recent trends in Manufacturing, Automation and Reliability Engineering’ at C.O.E.P., Pune.

Workshops / Seminars / Conference Attended

Sr. No.	Date	Title of Workshops / Seminars / Conference & Conducted at
1.	27 th July 2013	One day workshop on ‘Implementation of revised syllabus of ME-Mechanical (All Branch) by Mech. Engg. Dept., FIT, Pune.

2. 9th July 2013 One day workshop on Implementation of revised syllabus of Manufacturing Process Subject for SE Mech. Online & Offline exam., organized by A.I.S.S.M.S. &UoP, Pune
3. 27th August 2013 One day workshop on syllabus setting for SE, TE & BE organized by B.O.S. Mech. Engg. at Mech. Engg. Dept., MKSSS's, Pune.
4. 11th August 2013 One day workshop on Industry Institute Interaction organized by C.O.E.P. &Srijan, Pune.
5. 21st Jan 2010 One day workshop on syllabus setting of MQC Subject for TE organized by A.I.S.S.M.S. &UoP, Pune
6. 11th July 2009 One day workshop on 'Implementation of revised syllabus of MDCG (2008 Course) by Mech. Engg. Dept., VIIT, Pune.
7. 27th – 28th April 2009 Two days training programme on '3D Coordinate Measuring Machine' organized by Prod. Engg. Dept., SCOE, Pune.
8. 3rd – 5th Aug. 2009 Three days workshop on 'Role of Engineers in rural development' organized by NSS, MAH Govt., UoP& VIIT, Pune
9. 28th - 29th Feb. 2008 Two Days Workshop on 'Research Methodologies', M.A.E., Alandi, Pune.
10. 28th – 29th Jan. 2008 CEEP on 'MATLAB', V.I.I.T., Pune.
11. 18th – 19th Jan 2008 Two days workshop on 'Research in Engineering', organized by Dept. of Mathematics, MMCOE, Pune.
12. 20th June 2006 One day seminar on 'The new age concept in engineering design productivity', at C-ACT, Pune.

07) Paper Presented/ Published:

1. Vibration based condition assessment of ball bearing with distributed defects, Journal of Measurements in Engineering, Vol. 4, Issue 2, June (2016), pp. 43-12. (ISSN P. 2335-2124, ISSN O. 2424-4635).
2. An Empirical Study of Factors Affecting Productivity of Solapur Based Terry Towel Manufacturing Textile Industries, International Journal of Industrial Engineering Research, Volume 5, Issue 1, January - February (2014), pp. 31-38. [Impact Factor (2013): 0.1283].
3. Review of parameters affecting productivity of Textile SMEs, International J. of Multidiscipl. Research & Advcs. in Engg. (IJMRAE), ISSN 0975-7074, Vol. 5, No. III (July 2013), pp. 57-68. [Impact Factor (2013): 0.38].
4. Critical review of research in use of laser beam welding in automotive sector, International Journal of Engineering Research and Industrial Applications (IJERIA), Vol. 6, No. II, May

2013. **ISSN 0974-1518.**

[Impact

Factor (2013): 0.481].

5. An empirical study of the motives and benefits of QMS/ISO implementation among Indian SMEs, *International Journal of Productivity and Quality Management*, Vol. 6, Issue 4, 2010, pp. 379-406. ISSN: 1746-6474. [**H Index: 07**]
6. An empirical analysis of impact of QMS/ISO implementation on productivity/performance of Indian SMEs, *International Journal of Industrial Engineering and Technology*, Vol. 2, No. 1, 2010, pp. 85-109. ISSN: 0974 – 3146.
7. Mapping Macro/Micro Level Critical Links for Integrating Six Sigma DMAIC steps as a Part of Company's Existing QMS Processes: An Indian SME Case Study, *International Journal of Six Sigma and Competitive Advantage*, Vol. 6, Nos. 1/2, 2010, pp. 105-131. ISSN: 1479-2494. [**H Index: 11**]
8. Use of Shining Tools for Simplifying Six Sigma implementation in QMS/ISO Certified Environment– an Indian SME Case Study, **Journal of Engineering Research and Study**, Vol. I, Issue No. II Oct.- Dec.,2010, pp.177-194. E-ISSN: 0976-7916.
9. Developing and Implementing Quality Six Sigma(QSS) - an Integrated QMS and Six Sigma Methodology for Improving Quality and Productivity/ Performance of SME – An Indian Case Study, *International Journal of Emerging Technologies and Applications in Engineering, Technology & Sciences*, Vol. 2, Issue 2, 2009,pp. 222-228. ISSN : 0974-3588.
10. Evaluating the Relationship Between Installation and Use Of ISO 9000 on Operating and Business Performance of Indian SMEs, *International J. of Multidisciplinary Research & Advcs. in Engg.(IJMRAE)*, Vol. 4, No. I, Jan. 2012, pp. 461-478. ISSN : 0975-7074.
11. “Experimental investigation of optimization of process parameters for machining non-conducting material by ECDM process” in *Manufacturing Technology Today Journal*, Jan. 2006 Issue.
12. “Design optimization for reliability importance of components in hydraulic trainer system” in *Manufacturing Technology Today Journal*, Jan. 2005 Issue.

- **Papers presented in International Conferences**

1. Use of Analytic Hierarchy Process Methodology for Criticality Analysis of Thermal Power Plant Equipment, **5th International Conference of Materials Processing and Characterization (ICMPC 2016)** at **Dept. of Mech. Engg., GRIET, Hyderabad.**
2. Methodology for Identification of Critical Equipment in Thermal Power Plant Using Criticality Analysis, *International Conference on Trends in Industrial and Mechanical Engineering*, pp. 310, 4th - 6th Feb., 2016, at **Dept. of Mech. Engg., M.A.N.I.T., Bhopal.**
3. ‘Role of Lean Six Sigma in Quality Management Practices: A Case Study’, *International Conference on Industrial Engineering (ICIE-2013)*, **Dept. of Mech. Engg. S.V.N.I.T., Surat, India.** 20th -21st Nov. 2013.
4. ‘A Multi Criteria Decision Making Model for Supplier Selection and Evaluation: Case of Kraljic Model’, *International Conference on Industrial Engineering (ICIE-2013)*, **Dept. of Mech. Engg. S.V.N.I.T., Surat, India.** 20th -21st Nov. 2013.
5. ‘Study of Variables of Textile Manufacturing Industries and their effects on Productivity of Solapur based SMEs’ *International Conference on Industrial Engineering (ICIE-2013)*, **Dept. of Mech. Engg. S.V.N.I.T., Surat, India.** 20th -21st

Nov. 2013.

6. 'Postural Analysis and Quantification of Fatigue by using RULA and REBA techniques', ***International Conference on Mechanical And Production Engineering (ICMPE-2013), Institute of Technology and Research, Pune, 15th Feb 2013.***
7. 'An Expert Advisory System for ISO 9001 based QMS of Manufacturing Environment' ***IEEE International Conference on Communication, Information & Computing Technology (ICCICT-2012)Sardar Patel Institute of Technology, Mumbai, India,19th -20th Oct. 2012.***
8. 'Simplifying Six Sigma implementation using Shining tools in QMS/ISO certified environment', ***12th Annual Conference of Society of Operations Management, I. I. T., Madras,Chennai, India, 19th -21st Dec. 2009.***
9. 'An Investigative Study of an Impact of Quality Management System Implementation on Key Technical-Decisions Made and their Implementation and their Effects on Productivity/Performance of Small and Medium Scale Engineering Industries (SMSEIs) in India', ***International Conference on Decision Making, I.I.T., Bombay, Mumbai, India, 3rd -5th Jan. 2009.***
10. 'Developing Integrated Model of Six-Sigma Methodology and Quality Management System for Improving Quality Productivity and Competitiveness', ***12th Annual Conference of Society of Operations Management, I. I. T., Kanpur, India, 19th – 21st Dec. 2008.***
11. 'An investigative study of an impact of QMS implementation on key technical decisions and its effects on productivity/ performance of small and medium scale engineering industries (SMSEIs) in India' ***2nd Int. Conf. on ILSCM 2008, P.S.G Tech, Coimbatore, India, 7th - 8th Aug. 2008.***
12. An investigative study of the impact of QMS implementation on key technical decisions and its effects on productivity / performance of Indian industries,***15th ISME International Conference on Advances in Mechanical Engineering, R.G.T.U., Bhopal, India, 18th -20thMar. 2008.***
13. 'The Critical Review of Effect of Quality Management System Implementation on Performance of Small and Medium Scale Engineering Industries', ***International Conference on Advances in Manufacturing Engg.-2007, Manipal Institute of Tech., Manipal, Karnataka, India, 24th -26th Oct. 2007.***
14. 'A review of use of Artificial Neural Network used for Predicting Tribological Properties', ***International Conference on Advances in manufacturing and technology management, P.C.O.E., Mumbai, India, 18th -20th Jan. 2007.***

Papers presented in National Conferences = 11

1. 'Use of Lean SMED tool for improving Productivity', *State Level Conference at D.C.O.E.R. Pune, MS, India, 25th -26th Mar. 2013.*
2. 'Advance Product Quality Planning (APQP): A Quality Framework for developing

- new products', Published in proceeding of *National conference on Quality Engg.*, D.Y.C.O.E., Akurdi, 4th - 6th October 2007.
3. 'A review of machining performance evaluation of commercially available coatings on tungsten based cemented carbide tools', Proc. Of *National conference on Factory Automation, Robotics Computing*, NIT, Warangal, 18th-19th Jan. 2007.
 4. Presented paper "Prediction of change in friction in diesel engine by using Shining DOE Techniques", Published in proceeding of *National conference on B. A. I. T., Coimbatoure*, T.N., 11-12 April 2006.
 5. Presented & Published "An agent based computer approach for computer aided process planning", proceeding of *National conference on Sun Raising Technologies* by PCOE, Thane, Mumbai, 18-19 Nov.-2005.
 6. Presented & Published "An agent based system approach for enhancing manufacturing product development", proceeding of *1st national conference on recent development in Mechanical Engineering* SVERI'S COE, Panndharpur, 18-19 Nov.-2005.
 7. Published "A genetic algorithm for conflict resolution in concurrent production development", proceeding of a *National conference on Sun raising technology*, PCOE, Thane, Mumbai, 18-19 Nov.-2005.
 8. "Comparative analysis using analytical and finite element method of constant stress developed between two rolling discs", Proc. Of *National conference on Technological Advancements in Mech. Engg.* SIST, Hyderabad, 2-3 Dec.-2005.
 9. Published paper "Fused deposition modeling method used for design and preparation of rapid prototyping model of semi enclosed impeller", proceeding of *National conference on advances in CAD/CAM*, JNTU, Kakinada, A.P., 27-28 Feb.2006.
 10. "Sixsigma an application of statistical methods to business process for improving operating efficiencies – A case study", *National conference on recent trends in Mechanical Engg.* SRESCOE, Kopargaon, 23-24 July-2004.
 11. "Face milling tool path generating of work part using unigraphics-CAM", *National Conference on Global Technologies in Manufacturing and Thermal Sciences*, SETNU Institute of Technology, 9-10 July-2004.

08) Departmental Administrative Responsibilities:

- i. Overall NBA coordinator of College.
- ii. Chairman NBA activities for Mech. Engg. Dept.
- iii. EPICS Committee member.

iv. Member of Industrial visit committee.

09) Contribution in the University Activities:

- Worked as **academic & Research coordinator** of U.o.P. for D.C.O.E.R.
- Working as **Chairman of “Manufacturing and Industrial Engineering Group”** for setting new syllabus of various subjects under this group (U.G. and P.G.) [Total 7 Subjects covered], **Syllabus detailing and Syllabus implementation**,
- Co-coordinator for M.C.Q.-DataBank,
- Worked as **Subject Chairman[UG & PG programs]**,
- Working as **internal and external examiner** for UG and PG programs (ME Dissertation).

10) Membership of Scientific and Professional Society:

1. Associate of Institute of Mechanical Engineers (India), Kolkata.
2. Member of Indian Institute of Production Engineers.

11) Samstha Level administrative Responsibilities:

12) Subject teaching at Under Graduate Level:

- a. **B.E.:** Industrial Fluid Power
Operations Research
Management Information System
- b. **T.E.:** Metrology & Quality Control
Mechatronics
Industrial Engineering & Technology Management
- c. **S.E.:** Manufacturing Processes I & II .

13) Subject taught at Post graduate level:

- **Approved PG Teacher of Uni. of Pune**

M.E.: Research Methodology
Measurement Techniques & Data Analysis
Advanced Manufacturing Processes
Management of Technology

14) Projects Carried out :

- Two B.E. Projects guided
- Currently guiding two B.E. Projects and 4 PhD students.

15) **Patents -Filed**

i. *Title of the invention* : **IMPROVED HEATER APPARATUS**

International classification : H01L21/00

Application No. : 2199/MUM/2007; Publication Date : 05/06/2009; Journal No. - 23/2009; Can be accessed at [http://124.124.220.66/patentpublishedsearch/publishApplicationNumber....](http://124.124.220.66/patentpublishedsearch/publishApplicationNumber...)

ii. *Title of the invention* : **AN IMPROVED EXHAUST GAS HEAT RECOVERY DEVICE**

International classification : F28D15/02

Application No. : 315/MUM/2008; Publication Date : 23/07/2010; Journal No. - 30/2010; Can be accessed at [http://124.124.220.66/patentpublishedsearch/publishApplicationNumber....](http://124.124.220.66/patentpublishedsearch/publishApplicationNumber...)

16. No. of Books Published with details –

Year of Publication	Title	Level of Publication	Publisher
Books published as International Edition			
April 2013	“Integrating ISO 9001 Quality Management System with Six Sigma for Improving Productivity and Performance of SMEs”	International (E-Book)	LAP Publication, Germany
May 2009	“Metrology and Measurements”	International	Tata McGrawhill, New Delhi.
July 2009	“Quality Control”	International	John Wiley, New Delhi
June 2009	“Manufacturing Processes Planning and System Engineering”	International	Dream Tech Publication, New Delhi.
Books published as National Edition			
Dec. 2015	“Industrial Engineering”	National	Tech-Max Publication, Pune.

July 2014	“Hydraulics and Pneumatics”	National	Nirali Publication, Pune
Oct. 2011	Quantitative and Decision Making Techniques	National	Nirali Publication, Pune
June 2010	“Industrial Engineering and Technology Management” 3rdEd.	National	Tech-Max Publication, Pune.
June 2010	“Management Information System”	National	Nirali Publication, Pune
Dec. 2009	“Production Technology”	National	Nirali Publication, Pune
Dec. 2007	“Manufacturing Processes - II”	National	Nirali Publication, Pune.
Jan. 2007	“Industrial Fluid Power” 3rdEd.	National	Nirali Publication, Pune.
June 2005	“Industrial Engineering and Management”	National	Nirali Publication, Pune.
September 2004	“Production Planning and Control”	National	Satya Publication, New Delhi.

17. As a Resource Person

a. Reviewer for Journals

- i. *Journal for Cleaner Production* [Elsevier Journal Publication]
- ii. *International Research Journal of Management and Business Studies*,
- iii. *Journal of Industrial Engineering and Management*.

b. Session chaired in conference

- i. **Invited to Chair a Session** for 2nd session no. G9 on 5th Feb., 2016 ‘International Conference on Trends in Industrial & Mechanical Engineering’ (ICTIME-2016) at **MANIT, Bhopal**
- ii. **Chaired a Session** for second session on 4th March 2015 ‘National Conf. on Modeling Optimisation and Control (NCMOC-2015)’ at **V.I.T., Pune**.
- iii. **Key note speaker & Chaired a Session** on 10th Jan., 2015 during ‘National Conf. on Tech. Revolution (NCTR2015)’ at **A.P.C.O.E.R., Pune**.

- iv. **Chaired a Session** & worked as panel expert for Session No. on 22nd Nov., 2013 during 'Intl. Conf. on Industrial Engg.(ICIE2013)' at **S.V.N.I.T., Surat**.
- v. **Chaired a Session** for State Level Conference at D.C.O.E.R. Pune, MS, India, 25th Mar. 2013.
- vi. **Chaired a Session & worked as panel expert** for Session No. 5 on 8th Aug., 2008 during 4th Intl Conf. on logistics & Supply Chain Management, at **PSG College of Technology, Coimbatore, India**.

c. Delivered Expert Lecture on different topics

- i. Delivered **keynote lecture** on 'use of software for Simulation of Hydraulic and pneumatic system: Experience and suggestions', on 5th June 2015, organized by Automation Studio Co.
- ii. Delivered **keynote session** on 'ISO based QMS for Implementing Six Sigma' on 28th April, 2015, in **AICTE sponsored 2 - weeks Faculty Development Program** organized by Mech. Engg. Dept., AmrutvahiniCoE, Sangamner on "*Manufacturing Excellence.....Path to Global Competitiveness of Indian Manufacturing Inc.*"
- iii. Delivered **expert lecture** on 'Use of Statistics in Engineering Research', during 4th session on 29th Nov., 2012 at S.C.O.E.
- iv. Delivered **expert lecture** on 'Patent and Patenting Procedure', on 2nd Sept. 2013 at J.S.P.M., Technical Campus, Pune.
- v. Delivered **expert lecture** on 'Use of Six Sigma for productivity improvement' at S.V.C.P., Pune.

d. Worked as coordinator

- i. Worked as Vice-Chairman for 3-Days National Level Workshop on 'Advances and recent trend in Industrial Hydraulics' (8th – 10th Dec. 2014).
- ii. Worked as Mentor and Technical advisor for Conference 'PG-CONFM-13' arranged at D.C.O.E.R.
- iii. 3-Days National Level Workshop at D.C.O.E.R. on 'Green Technology' in association with MEDA.
- iv. Arranged One day workshop on 'Use of NPTEL' for D.C.O.E.R. college staff.
- v. One Week STTP on 'CAD & Programming' at Mech. Engg. Deptt. at V.I.I.T., Pune.
- vi. 3-Days National Level Workshop at W.C.E., Sangli, on "Recent Trends in Heat Exchanger" under MOU.
- vii. Arranged 3-Days National Level Workshop on 'Robotics & Automation' at S.C.O.E.
- viii. Arranged various 1-Day syllabus implementation workshops at S.C.O.E. & V.I.I.T.

e. Worked as paper setter PG & PhD programs & external examiner for PG Dissertations

1) Name: Dr. Gautam S. Chandekar

2) Designation:- Associate Professor in Mechanical Engineering

3) Qualification: Ph.D.(Mech.), MS (Mech.)

4) Experience: Teaching- 11 Years, Research – 01 Years

5) Area of Interest: Machine Vibrations, Finite Element Method, Composite Material

6) Workshop Attended

7) Paper Presented/ Published:



- Chandekar, G., Richardson, J., Melnikov, Y., and Pardue, S. "Green's Function Method for an Axisymmetric Void Between Parallel Walls." *Electronic Journal Of Boundary Elements*, 5(2), (2007). Available at:<http://ejbe.libraries.rutgers.edu/index.php/ejbe/article/view/790>
- Gautam S. Chandekar, Bhushan S. Thatte, and Ajit D. Kelkar, "On the Behavior of Fiberglass Epoxy Composites under Low Velocity Impact Loading", *Advances in Mechanical Engineering*, vol. 2010, Article ID 621406, 11 pages, doi:10.1155/2010/621406, (2010). Available at:<http://www.hindawi.com/journals/ame/2010/621406.html>
- Gautam S. Chandekar, Ajit D. Kelkar, and Ram V. Mohan, "Comparative Study of Different Weave Architectures of Woven Textile Composites under Low Velocity Impact Loading", *ASME International Mechanical Engineering Congress and Exposition*, Proceedings, Vol. 13, Part B, Pg. 1127 - 1131, (2009).
- Bhushan S. Thatte, Gautam S. Chandekar, Ajit D. Kelkar, and Pramod Chaphalkar, "Studies on Behavior of Carbon and Fiberglass Epoxy Composite Laminates under Low Velocity Impact Loading using LS-DYNA", *10th International LS-DYNA Users Conference, Impact Analysis*, Pg. 943 to 954, (2008).
- Ajit D. Kelkar, Gautam S. Chandekar, B. S. Thatte, Ram Mohan and R. Bolick, "Modeling of Hybrid Composites under Low Velocity Impact Loading", *4th International Conference on Advances in Structural Engineering and Mechanics (ASEM'08)*, (2008).
- Ajit D. Kelkar, Gautam S. Chandekar, and Ram V. Mohan, "Prediction of Material Properties of Single Walled Carbon Nanotube using MD Simulations", *2008 8th IEEE Conference on Nanotechnology, IEEE-NANO*, Pg. 370 to 373, (2008).
- Sachin Shendekar, Ajit D. Kelkar, Ram V. Mohan, Ronnie Bollick, Gautam S. Chandekar, "Effect of Sintering Temperature on Mechanical Properties of Electrospun Silica nano fibers", *ASME International Mechanical Engineering Congress and Exposition, Proceedings*, Vol. 13, Part B, Pg. 1133 to 1138, (2009).

- Gautam S. Chandekar, Richard D. Hercamp, Douglas D. Hudgens \Modeling of the Effect of Coolant Physical Properties on the Potential of Diesel Engine Liner Cavitation", SAE (Society of Automotive Engineers) Technical Paper, doi:10.4271/2012-01-1682, (2011).
- Gautam S. Chandekar, Ajit D. Kelkar, Experimental and Numerical Investigations of Textile Hybrid Composites Subjected to Low Velocity Impact Loadings, The Scientific World Journal Volume 2014 (2014), Article ID 325783, 14 pages <http://dx.doi.org/10.1155/2014/325783>

8) Departmental Administrative Responsibilities:

- i) NBA committee vice chairman

9) Contribution in the University Activities:

- i) CEO College Exam Officer for Cummins College.

10) Membership of Scientific and Professional Society:

11) Samstha Level administrative Responsibilities:

12) Subject teaching at Under Graduate Level:

- iii. TOM I
- iv. TOM II
- v. FEM

13) Subject teaching at Post graduate level:

14) Projects Carried out :

1) Name: Dr.Ajit Ashok Bhosale

2) Designation: Associate Professor.

3) Qualification: PhD Mechanical Engg.

4) Experience: Industry – 03Years, Teaching- 16 Years

5) Area of Interest: Design,Manufacturing Engineering, Cad Cam Automation.



6) Workshop Attended

- Special Methods of Teaching Applied Mechanics in Rajiv Gandhi Institute of Technology Mumbai for two week.
- Information Technology Orientation for Engineering Teachers in Dwarkadas J. Sanghvi College of Engineering, Vile Parle, Mumbai for two week.
- Computer Aided Solutions for Engineering Applications in Dwarkadas J. Sanghvi College of Engineering, Vile Parle, Mumbai for two week.
- International Conference on “Advances in Materials Processing and Characterization (AMPC2006) Chennai for three days.
- National Conference on Advances in Engineering & Inspection & Metrology in NMIMS Mumbai for One day.
- ISTE Convention of Maharashtra-Goa Chapter at Imperial College of Engineering & Research Pune for Two days.
- Innovation 2008 is attended in College of Engineering In Kopergaon

7) Paper Presented/ Published:

International Journals:

- A. A. Bhosale, K.K. Sundaram “Non Destructive Method for Ripening Prediction of Papaya” Accepted for Elsevier Procedia Technology. Vol. 19, (2015): 623-630.
- A.A. Bhosale, K. K. Sundaram “Firmness prediction of the apple using capacitance measurement”. Elsevier Procedia Technology, Vol. 12 (2014) pages 163-167.
- A.A. Bhosale, K. K. Sundaram “Equation for predicting shelf life of an apple”. Applied Mechanics & Materials vols. 52-54 (2011) pages 1936-1941.
- A.A. Bhosale, K. K. Sundaram “Equation for predicting shelf life of Fruit (Apple)”, Journal of Biotechnology by Elsevier, Vol 150, supplement, November 2010 page 525.
- A.A. Bhosale, K. K. Sundaram “The life equation” Journal of Biotechnology by Elsevier VOL-136, Supplement 1, page 108, 2008.

- A.A. Bhosale, K. K. Sundaram “Animal Life Expectancy on energy intake”. International Journal of Recent trends in Engineering Vol1.No-6, pages 77-80, 2009.

International Conference:

- A.A. Bhosale, K. K. Sundaram “Life Prediction equation for Human Beings” IEEE transaction 2010. ISBN: 978-1-4244-6775-4, DOI10.1109/ICBBT.2010.5478965 .
- A. A. Bhosale, Vasudevan Hari, Lakal Narendra and Rajendra Khavekar “Vibration Analysis Of An Assembly By Converting It Into A Simple Mass Spring System”, international conference on “Advances in Materials Processing and Characterization (AMPC2006) Chennai.
- A. A. Bhosale, Vasudevan Hari, Lakal Narendra and Rajendra Khavekar, “A Modified Approach in Precision Manufacturing by Abrasive Flow Machining”, National conference on Advances in Mechanical Engineering (Hyderabad: Vasavi College of Engineering, Hyderabad, Andhra Pradesh, India., May, 2005

8) Departmental Administrative Responsibilities:

- Academic Research Coordinator for college
- Head of Workshop Department.
- SAE Faculty Advisor.
- Industrial Visits.

9) Contribution in the University Activities:

- Worked as Assistant CAP Director For Four Years.
- External & Internal Examiner for University Examination.
- Worked as Senior Supervisor for various universities Examination.
- Worked on LIC committee.
- Member in UGC selection Committee.

10) Membership of Scientific and Professional Society:

- vi. SAE India
- vii. ISME
- viii. ISTE
- ix. Associate Member of Institutions of Engineers.

11) Samstha Level administrative Responsibilities:

12) Subject teaching at Under Graduate Level:

- x. SOM
- xi. CAD/CAM
- xii. Hydraulic and Pneumatics
- xiii. Engineering Graphics
- xiv. Advance Manufacturing Processes

13) Subject teaching at Post graduate level:

- CAD CAM
- Automation & control Engineering

14) Projects carried out: (On going)

- **Shelf Life Prediction Machine for Fruits (Apple) by Department of Science and Technology of Rs. 29,96.457/-**

15) Patents -

- A. Bhosale, K.K. Sundaram “ An Instrument for predicting shelf life of fruits” Patent Application No. 3377/ MUM/ 2014

1) Name: Sunil PrabhakarDivekar

2) Designation: Sr. Lecturer/A. P.

3) Qualification: ME (Metallurgy)

4) Experience: Industry – 01 Years, Teaching- 29 Years, Research –00 Years

5) Area of Interest: Metallurgy; Metal testing; Stress corrosion cracking

6) Workshop:



Coordinator of the following Workshops: (2)

1. Two weeks ISTE workshop on Heat Transfer (December 2011)
2. Two weeks ISTE Workshop on Introduction to Research Methodologies (June- July 2012)

Conducted the following workshop: (1)

- One day workshop on Syllabus setting for Metallurgy, January 2009

Attended: Attended following workshops (7+)

1. Three days workshop on ‘MEMS Technology and Applications’ Conducted by Institute for smart structure and systems under National program on micro and smart system (NPMASS). (January 2009)
2. Two weeks Faculty training program on “MEMS fabrication technology” Conducted by CEERI under NPMASS. (June 2009).
3. Two weeks workshop on Thermodynamics in Mechanical engineering. ISTE workshop held under National mission on education through ICT (NMEICT) (Ministry of HRD). (June 2011)
4. On week Coordinators workshop on Heat transfer ISTE workshop held under National mission on education through ICT (Ministry of HRD) (September 2011)
5. One week workshop on Introduction to Research Methodologies-for coordinators. ISTE workshop held under (NMEICT) (Ministry of HRD). (June 2012)
6. Two days ISTE workshop on ‘Aakash for education’. ISTE workshop held under (NMEICT) (Ministry of HRD). (November 2012)
7. AICTE sponsored National workshop on “Advances in Analysis, measurement and control of Noise, Vibration and Harshness”(June 2015)
8. Various one day workshops on syllabus implementation under the Pune. University

7) Books Published : (2)

8) Departmental Administrative Responsibilities:

1. Providing Consultancy and conducting mechanical testing of metals
2. Coordination and maintenance of laboratories in mechanical engineering department
3. SE (Mechanical)-Mentor for a batch of 20 students
4. Team member in NBA and Autonomy implementation activities.

9) Contribution in the University Activities:

1. Worked as Director -Central assessment Program (CAP)
2. Worked as Assistant CAP director
3. Worked as Chairman, Paper setter and Subject expert in Metallurgy.
4. Senior supervisor, member of selection committee.

10) Membership of Scientific and Professional Society: (2)

- Life member ISTE
- Life member Indian Institute of Metals (IIM)

11) Samstha Level administrative Responsibilities:

1. Member of write off committee.

12) Subject teaching at Under Graduate Level:

1. Material Science
2. Metallurgy
3. Basic mechanical Engineering.

14) Projects carried out:

- Fabrication of prototype for uniform roasting of coffee beans.

15) Patents:

Nil



1) Name: ParagSudhirChaware

2) Designation:: Assistant Professor.

3) Qualification: ME Mechanical, Pursuing Ph.D (Mechanical)

4) Experience:: Industry – 01Years, Teaching- 15 Years, Research –00 Years

5) Area of Interest: Heat Transfer, Fluid Mechanics

6) Workshop Attended

- Computational Fluid Dynamics - 3-Dayt National Level workshop at D.Y. Patil College of Engineering, Pune
- Two Week ISTE workshop on Computational Fluid Dynamics conducted by IIT Bombay

7)Paper Presented/ Published:

- CITICOMS -2007 Coimbatore,27 -28 August 2007, Comparison of turbulence Models and near wall treatments for the flow in a circular tube with the twisted tape insert.
- FLUENT user conference, Bangalore, Nov 07 2007, Heat transfer Augmentation using twisted tape insert,
- FMFP-2013, NIT Hamirpur, 12-15 Dec,2013, Selection of turbulence model for flow with twisted tape insert,
- FMFP-2014, IIT Kanpur,14-16 Dec. 2014,Effect of Reynolds number on flow and heat transfer characteristics of pipe flow with twisted tape insert

8)Departmental Administrative Responsibilities:

- xv. Head of the Department - Jan-2008 - Jan-20013
- xvi. Industry Institute Interaction
- xvii. Class Teacher - BE
- xviii. Mentor – TE

9)Contribution in the University Activities:

- xix. Worked as Assistant CAp Director
- xx. Paper Setter
- xxi. Examiner
- xxii. Moderator

10)Membership of Scientific and Professional Society:

11)Samstha Level administrative Responsibilities:

12)Subject teaching at Under Graduate Level:

- xxiii. Heat transfer
- xxiv. Fluid Mechanics
- xxv. Fluid Power
- xxvi. Engineering Graphics

13)Subject teaching at Post graduate level:

NIL

14)Projects Carried out :

CFD analysis of Heat transfer through a Pipe with twisted tape insert- University of Pune
- 2008-2010

15)Patents:

NIL



1. **Name:** Poonam Arun Bhoire
2. **Designation:** Assistant Professor
3. **Qualification:** M.Tech Mechanical (Design), Pursuing Ph.D (Mechanical)
4. **Experience:** Teaching- 10.6 Years
5. **Area of Interest:** Mechanical Design, Heat Transfer
6. **Workshop Attended**

- “Advances in Analysis, Measurement and Control of Noise Vibration and Harshness”, conducted by Cummins college of Engineering for Women, Karvenagar, 2014
- ISTE STTP on ‘Thermodynamics in Mechanical Engineering’ conducted by IIT, Bombay at CCOEW, Pune
- ISTE STTP on ‘Introduction to Research Methodology’ conducted by IIT, Bombay at CCOEW, Pune
- TEQIP on ‘Recent Trends in Precision Mechanical Measurements’ at SCOE, Pune

- TEQIP on ‘Advances in Heat Exchanger Technology’ at SCOE, Pune

7. **Paper Presented/ Published:** NIL

8. **Departmental Administrative Responsibilities:**

- Departmental Placement Co-ordinator
- Department News Letter Staff Co-ordinator
- Alumane Association Department Co-ordinator

9. **Contribution in the University Activities:**

- Worked as Junior Supervisor
- Worked as Custodian for University Examination
- Paper setter For Theory of Machines I and II
- Worked as chairman of Theory of Machine and Machine Design -II course

10. **Membership of Scientific and Professional Society:**

- NIL

11. **Samstha Level administrative Responsibilities:**

- NIL

12. **Subject teaching at Under Graduate Level:**

- Theory of Machine I
- Theory of Machine II
- Quantitative Techniques and Decision Making
- Strength of Material
- Basic Mechanical Engineering
- Engineering Graphics-I
- Engineering Graphics II

- Basic Mechanical ENgineering

13. Subject teaching at Post graduate level:

- NIL

14. Projects Carried out :

- NIL

15. Patents -

- NIL

16. No. of Books Published with details –

- NIL

1)Name: RujutaAmeetAgavekar

2)Designation:: Assistant Professor.

3) Qualification: M.Tech

4)Experience:: Industry – 02 Years, Teaching- 08 Years

5)Area of Interest: Thermal Engineering

6)Workshop Attended

- Two Week ISTE workshop on Thermodynamics in Mechanical Engineering conducted by IIT Bombay
- One Week FDP under TEQIP-II on Advances in Heat Exchanger Technology
- One Week FDP under TEQIP-II on Recent Trends in Precision Mechanical Measurements
- Program on Steam Engineering and Energy Conservation
- Two Week ISTE workshop on Heat Transfer conducted by IIT Bombay
- Two Week ISTE workshop on Computational Fluid Dynamics conducted by IIT Bombay
- Two Week ISTE workshop on Computer Programming conducted by IIT Bombay

7)Paper Presented/ Published:

Nil

8)Departmental Administrative Responsibilities:

- SE Mentor
- TE Seminar Coordinator

9)Contribution in the University Activities:

- Paper Setting - Thermodynamics
- Paper Evaluation - Thermodynamics, Refrigeration and Air Conditioning, Numerical Methods and optimization.

10)Membership of Scientific and Professional Society:

Nil

11)Samstha Level administrative Responsibilities:

Nil

12)Subject teaching at Under Graduate Level:



- Basic Mechanical Engineering
- Thermodynamics
- Refrigeration and Air Conditioning
- Numerical Methods and Optimization

13)Subject teaching at Post graduate level:

Nil

14)Projects Carried out :

Nil

15)Patents: -

Nil

1)Name: NitinRaghunathPatil.

2)Designation: : Assistant Professor.

3) Qualification: M.Tech.

4)Experience:Teaching- 17 Years

5)Area of Interest: Machine Design Engineering

6)Workshops Attended :

- One week training program on ‘Making Teaching Learning Process Effective’, organised by ISTE chapter, AISSMS’s COE, Pune.
- One week ‘Faculty Development Program’, organised by Samit Management Training Solutions and , AISSMS’s IOIT, Pune.
- Two week ISTE workshop on ‘Engineering Thermodynamics’, in Cummins C.O.E.W., Pune.
- Two week ISTE workshop on ‘Computer Programing’, in Cummins C.O.E.W., Pune.
- One week ‘Faculty Development Program’, on ‘Advances in Heat Exchanger Technology’, under TEQIP, organised by, Sinhagad C.O.E., Pune.
- One week ‘Faculty Development Program’, on ‘Automotive Emission and Control Technologies’, under TEQIP, organised by, Sinhagad C.O.E., Pune.

7)Paper Presented/ Published:

- Paper presented on, ‘Condition Monitoring of Rolling Contact Bearings using C.W.T.’, at National Level Conference AIM-2008, ManipalInstt. of Technology.
- Paper on, ‘Design, Development and Performance Analysis of Coil Pump’, published in International Journal, Applied Mechanics and Materials- 2014, Trans Tech Publications, Switzerland.

8)Departmental Administrative Responsibilities:

- SAE Coordinator.
- M.E. Coordinator .
- Class Teacher -T.E.(Mech.).

9)Contribution in the University Activities:

- Examiner for subjects, Design of Machine Elements -I and II, Engg. Graphics.
- Paper Setter for the subjects, Design of Machine Elements -I and II, Engg. Graphics.
- Member of the Syllabus Setting Committee for the subjects, Design of Machine Elements -I and II.

10)Membership of Scientific and Professional Society:

- Member of SAE, India.



11)Samstha Level administrative Responsibilities: Nil.

12)Subjects teaching at Undergraduate Level:

- Design of Machine Elements - I
- Design of Machine Elements - II
- Engg. Graphics.
- Basic Mechanical Engg.

13)Subject teaching at Postgraduate level: Nil.

14)Projects Carried out :

- Design, Development and Performance Analysis of ‘Helical Coil Pump’.
- Design, Development and Performance Analysis of ‘Spiral Coil Pump’.

15)Patents:- Nil.



1) Name: Harish Mohan Shinde.

2) Designation: Assistant Professor.

3) Qualification: M.E. Mechanical (Automotive Engg.)

4) Experience: 11 Years

(Industry– 4 Years, Teaching- 7 Years)

5) Area of Interest: Manufacturing Technology, Automotive Engg.

6) Workshops Attended:

- One day Workshop on “Advance techniques in Modern Day Mechatronics” At AISSMSCOE, pune-5.
- Attended One day workshop on “SCI lab” offered by IIT Bombay, In Mechanical Department on 20th April 2012.
- Attended Two days workshop on “How to write effective conference paper” offered by IIT Bombay, at MES IMCC, Pune. On 18th and 19th February 2012.
- One Week Faculty Development Programme on "AUTOMOTIVE EMISSION AND CONTROL TECHNOLOGIES (AECT)" Under TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME [TEQIP-II], On 08 -12 October, 2012.
- One Week Faculty Development Programme on "ADVANCES IN HEAT EXCHANGER TECHNOLOGY (AHET 2013)" Under TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME [TEQIP-II], On 08 -12 April, 2013.
- Three Days Workshop on “ADVANCES IN ANALYSIS, MEASUREMENT AND CONTROL OF NOISE, VIBRATION & HARSHNESS” on 19th-21st June 2013.
- Two week ISTE Workshop on “COMUTER PROGRAMMING”, On 20th May– 21st June 2014.
- Syllabus Implementation Workshop on “Manufacturing Processes-I” at AISSMS College of Engineering, Pune.
- Syllabus Implementation Workshop on “Computer Aided machine Drawing” at MIT College of Engineering, Pune.
- FDP on “Automotive Electronics” from 3rd November 2014 to 8th November 2014 in KPIT Bangalore.
- ISTE sponsored Two weeks faculty Development Programme on “COMUTER PROGRAMMING”, Duration - 20th May – 21st June 2014, Organized by IIT, Bombay conducted at CCOEW, Pune.
- AICTE sponsored Two weeks faculty Development Programme on “Manufacturing Excellence”, Duration - 21st April - 02nd May 2015, Organized by Amrutvahini COE, Sangamner.
- AICTE Sponsored National Workshop on “Advances in Analysis, Measurements and Control of Noise, Vibration and Harshness” Organized by MKSSS’s Cummins COEW Pune and Govt. College of Engineering Pune - On 10th to 12th June 2015 - 3 days

7) Paper Presented/ Published:

- Participated & Presented Paper “Effect of change in compression ratio on performance of diesel engine using Karanja oil biodiesel” in National Conference Emerging Trends in Engineering, Science, Technology and Management on 24 April 2012.
- Participated & Presented Paper in ““Effect of change in compression ratio on performance of diesel engine using Fish oil biodiesel” International Conference ICMET2012 on 26 May 2012.

8)Departmental Administrative Responsibilities:

- Training Activity coordinator
- College website department coordinator
- SAE BAJA Coordinator.
- SE Mentor.
- Autonomy
- Windows licenses (With A S Shinde)
- Xerox research group department coordinator
- Cultural activity coordinator

9)Contribution in the University Activities:

- Examiner for subjects, Manufacturing Processes I & II, Manufacturing Process, Production Technology.
- Paper Setter for the subjects, Manufacturing Processes I & II, Manufacturing Process, Production Technology.
- Manufacturing Processes I subject Member.
- External Examiner for Subjects MDCG, GM, AT, CAMD

10)Membership of Scientific and Professional Society:

- Member of SAE, India.

11)Samstha Level administrative Responsibilities: Nil.

12)Subjects teaching at Undergraduate Level:

Subject	Class
● Engineering Graphics (I , II)	F E
● Manufacturing Processes I	SE
● Applied Thermodynamics	SE
● Computer Aided Machine Drawing	SE
● Manufacturing Processes II	TE
● Automotive Engineering	B E

13)Subject teaching at Postgraduate level: Nil.

14)Projects carried out:

- Effect of change in compression ratio on performance and emission of IC engine by using Biodiesel (Karnaja oil and Jatropha oil).
- Effect of change in compression ratio on performance and emission of IC engine by using Biodiesel (Acid oil)

15)Patents:- Nil.



1) Name: Shridhar Ashok Kedar

2) Designation:- Assistant Professor in Mechanical Engineering

3) Qualification: M.Tech., Pursuing Ph.D.(Mech.Engg.)

4) Experience: Industry– 01 Year, Teaching- 8 Years

5) Area of Interest: Solar Energy, Energy Conservation, Thermal Engineering

6) Workshop Attended

- i) STTP on “Energy Conservation and Management” from 22nd Dec.2009 to 29th Dec.2009 at NIT Surat.
- ii) 2 Weeks ISTE workshop on “ Thermodynamics in Mechanical Engineering” conducted through IIT Bombay and Remote Center – Cummins COE for Women Karvenagar Pune on 14th June 2010 to 24th June 2010
- iii) FDP on “ Advance in Hybrid Energy System” from 26th June 2011 to 2nd July 2011 at NIT Calicut
- iv) 2 Weeks ISTE workshop on “ Heat Transfer” conducted through IIT Bombay and Remote Center – Cummins COE for Women Karvenagar Pune on 29th Nov. 2011 to 10th Dec. 2011
- v) One Week workshop on Advances in Heat Exchanger Technology on 8-12 April 2013 in Sinhgad college of Engineering Pune
- vi) One Week workshop on Recent Trends in Precision Mechanical Measurements on 26 Nov.-1 Dec.2012 in Sinhgad college of Engineering Pune

7) Paper Presented/ Published:

- i) “Energy Conservation Technology - Waste Heat Recovery”, Presented , “National Conference”, A G Awate College of Engineering Hadapsar, Date :- 5-7 March 2010
- ii) “ Lateral Transfer Device for Hospital Stretcher” Presented and Published ICMO-2013
New Delhi & Published Advance Material Research Journal ISSN 1022-6680
- iii) “ Effect of Hard Water on the performance of Solar Water Heater Tank”, Presented, “ International Conference on Environment & Energy” JNTU Hyderabad Date :-15-17 Dec.2014
- iv) “ Thermal analysis of Solar Cooker with back reflection” Presented in International Conference on Advancements in Aeromechanical Materials for Manufacturing on 7-9

July 2016. MLR Institute of Technology Hyderabad.

8) Departmental Administrative Responsibilities:

- i) Co-ordinator for KirloskarVasundhara Energy & Environmental Group.
- ii) Co-ordinator for Conducting Guest Lecture Series in the department.
- iii) BE Mentor

9) Contribution in the University Activities:

- i) External Sr.Supervisor - “ ShriChhatrapatiShivajiraje College of Engineering
Bhor, Pune
- ii) Paper Setter for Energy Audit & Management.
- iii) Chairman & paper Setter for Design of Pumps,Blowers& Compressor.

10) Membership of Scientific and Professional Society:

11) Samstha Level administrative Responsibilities:

12) Subject teaching at Under Graduate Level:

- xxvii. Energy Audit & Management
- xxviii. Industrial Heat Transfer Equipments
- xxix. Engineering Graphics I,II
- xxx. Design of pumps, blowers and Compressors
- xxxi. Value Education
- xxxii. Basic Mechanical Engineering

13) Subject teaching at Post graduate level:

14) Projects Carried out :

- i) Effect of Hard Water on the performance of Solar Water Heater Tank
- ii) Design and development of Solar Cooker (Vertical Shape)
- iii) Design and Manufacturing of Solar cooker with back reflection.

1) **Name:** Amit P. Rajurkar

2) **Designation:** Assistant Professor

3) **Qualification:** Pursuing ME (Heat and Power)

4) **Experience:** Teaching- 16years

5) **Area of Interest:** Fluid Mechanics , Heat Transfer , Turbo machines



6)Workshop Attended

- “Advanced and Recent Trends in Industrial Hydraulics”, By Cummins college of Engineering for Women, Karvenagar,2014
- “Two Week ISTE workshop on Thermodynamics in Mechanical Engineering conducted by IIT Bombay

7)Paper Presented/ Published:

NIL

8)Departmental Administrative Responsibilities:

- SE Class Teacher
- Dept.Activities
- Higher studies record of students.
- SE Mentor
- Autonomy

9)Contribution in the University Activities:

- Worked as Junior Supervisor
- Worked as Senior Supervisor,Paper Setter and Astt.CAP Director

10) Membership of Scientific and Professional Society:

- NIL

11)Samstha Level administrative Responsibilities:

- NIL

12) Subject teaching at Under Graduate Level:

- Fluid Mechanics
- Turbomachines
- Basic Mechanical Engineering

13)Subject teaching at Post graduate level:

- NIL

14)Projects Carried out :

- NIL

15) Patents: -

- NIL

16) No. of Books Published with details –

- NIL



1) Name: AvinashSudamShinde

2) Designation: Assistant Professor

3) Qualification: M.E. Mechanical (Design)

4) Experience: Industry – 2.5 Years, Teaching- 6.5 Years

5) Area of Interest: CAD, FEA, Design

6) Workshop Attended

i. National workshop on “Advances in Analysis, Measurement and control of noise, vibration and harshness “ from 10th June 2015 to 12th June 2015.

ii. ISTE Workshop on “Computer Programming” from 20 May 2014 to 21 June 2014.

iii. “Writing Effective Conference paper for Engineering/Science Teachers” conducted by IITB, on 18-19 February 2012.

iv. Two days workshop on “GD&T” conducted on 25-26 February 2011

7) Paper Presented/ Published:

i. Avinash S. Shinde, Dr.H.V.Vankudre, Dr.C.S.Pathak, “Fatigue analysis of crankshaft section under bending with consideration of induction hardening” International Journal of Advances in Management, Technology & Engineering Sciences, Vol I, issue 9 (i), June 2012.

8) Departmental Administrative Responsibilities:

- Computer center In charge
- AMC Co-ordinator

9) Contribution in the University Activities:

- External examiner for CAMD, CCA
- Examiner in CAP for EG-I and CCA

10) Membership of Scientific and Professional Society:

11) Samstha Level administrative Responsibilities:

12) Subject teaching at Under Graduate Level:

- i. CAD/CAM & Automation
- ii. Computer Aided Machine Drawing
- iii. Basic Mechanical Engineering
- iv. Engineering Graphics-I & II

13) Subject teaching at Post graduate level:

14) Projects Carried out :

15) Patents -



1) Name: NILESH RAMESH KOLHALKAR

2) Designation: Assistant Professor

3) Qualification: M.Tech.(Mechatronics), M.B.A:OR & SCM,
Ph.D. Pursuing

4) Experience: Teaching: 7 Years 6 Months, Industry: 01 Year

5) Area of Interest: Mechanical measurement and control, Mechatronics, Automation,
Hydraulics and Pneumatics, Basic Mechanical Engineering. EG-I & II

6) Workshop/Seminar/STTP/FDP/Training Programme Attended

- 1) National level workshop “Non-conventional Energy Resources” sponsored by UOP
- 2) State level workshop on “Heat and Mass Transport Phenomenon” sponsored by UOP
- 3) Two days workshop on “Best practices in Engineering Education” sponsored by UOP
- 4) Certified Course on “Industrial Automation”, Instrumentation dept, C.O.E.P, Pune.
- 5) Certified Course on “MATLAB & Simulink Toolbox for research” form C.O.E.P, organized by Mechanical engineering dept, Pune.
- 6) One day workshop on “Teaching Methodology for Mechatronics” for T.E Mechanical engineering students, Sponsored by University of Pune.
- 7) One day workshop on “Micromachining” sponsored by University of Pune.
- 8) Two days State level workshop “Green Nanotechnology”, sponsored by UOP.
- 9) One day workshop on “Intelligent robotics and Industrial Automation”, Sponsored by University of Pune.
- 10) 2 Week ISTE workshop on “Introduction to Research Methodology”, Organized by IIT Bombay, from 25th June -4th July 2012, Sponsored by MHRD, Dr. D.Y.Patil Institute of Engg. Pimpri, Pune.

July 2012- June 2013

- Attended three day workshop on “Advances in analysis, measurement and control of noise, vibration & harshness” at MKSSS’s Cummins College of Engineering For Women, Pune. – 19th to 21st June 2013

- 2 Week ISTE Workshop on “Engineering Thermodynamics”, Organized by IIT Bombay, Sponsored by MHRD, from 11th-21st December 2012 at G.H.Raisoni Institute of Engineering and Technology, Pune.
- 2 days ISTE Workshop on “Aakash for Education” , Organized by IIT Bombay, Sponsored by MHRD on 10th & 11th November 2012 at G.H.Raisoni Institute of Engineering and Technology, Pune.

July 2013- June 2014

- 2 Week ISTE workshop on “Engineering Mechanics”, Conducted by Indian Institute of Technology Bombay, Sponsored by MHRD on 26th November-6th December 2013 at G.H.Raisoni Institute of Engineering and Technology, Pune.
- 2 Week ISTE workshop on “Computer Programming”, Conducted by Indian Institute of Technology Bombay, Sponsored by MHRD on 20th May 2014-21st June 2014 at MKSSS’s Cummins College of Engineering for Women, Pune.
- Robocon In-Charge, Certificate of Participation for active participation in the National Robotic Contest held at Pune during 6th-8th March 2014.

July 2014-June 2015

- Syllabus Implementation of Hydraulics & Pneumatics of T.E Mechanical (2012 Pattern) at Flora Institute of Technology on 11th July 2014.
- Attended three day workshop on “Advances and Recent Trends in Industrial Hydraulics” at MKSSS’s Cummins College of Engineering for Women, from 8th-10th December 2014.
- Robocon In-Charge, Certificate of Participation for active participation in the National Robotic Contest held at Pune during 5th-7th March 2015.
- 3 days AICTE Sponsored National Workshop on “Advances in Analysis, Measurement & Control of Noise, Vibration & Harshness” from 10th June-12th June 2015 at MKSSS’s Cummins College of Engineering for Women, Pune

July 2015-June 2016

- Attended a Training Programme on “Cummins Diesel Engine Maintenance-Construction Applications” at Technical Training Centre, Pune from 17th-21st August 2015, Sponsored by CIL, Pune.
- Participated in 1 Week STTP on “MATLAB & its Applications in Engineering and Research” at NIT Hamirpur (H.P) from 17th-21st May 2016 under TEQIP-II.
- Participated in 1 Week STTP on “Fundamentals of Fluid Power Devices & Its Application” from 6th June-10th June 2016, at C.O.E.P, Pune.

7) Paper Presented/ Published:

- 1) National Level Technical Paper on “Mechatronics and its applications”, May-2007

2) International Conference “ICAME-2012”, Paper on “Safety analysis of loading Capacity of a wall climbing robot with variation in distance of C.G from a wall”, held in Amrutvahini College of Engg, Sangamner, which was held on 12-14th March 2012.

3) International Journal of Engineering & Innovative Technology (IJEIT), Paper on “Wall Climbing Robots: A Review”, Vol.1, Issue 5, Sr. No. 44, pp 227-229, 5th May 2012, ISSN:2277-3754

4) National Conference “RAM-2012” Paper entitled as “Experimental investigation of lifting capacity of a wall climbing robot with variation in distance of Centre of Gravity from the wall and vacuum level”, SVNIT Surat, 27th-29th May 2012.

8) Departmental Administrative Responsibilities:

- i. “ROBOCON” In-charge (International Level Robotics Competition by Asia Pacific Broadcasting Union, ABU) from year 2013
- ii. Co-ordinator for “OUTLOOK” Magazine Survey at Institute Level.
- iii. Time Table Co-ordinator, F.E Co-ordinator, F.E online Exam Co-ordinator.
- iv. T.E Mentor, Sports Event “Pentacle” co-ordinator from Mechanical Department.
- v. Team member in NBA and Autonomy implementation activities.

9) Contribution in the University Activities:

- i. Examiner for Basic Mechanical Engineering, Engg. Graphics, H&P, Mechatronics for 2008 and 2014, 2015 Patterns.

10) Membership of Scientific and Professional Society: NIL

11) Samstha Level administrative Responsibilities:

- i. Sports In-charge for “DAMINI” & “PENTAKLE”
- ii. “OUTOLOOK” MAGAZINE SURVEY IN-CHARGE.
- iii. “National Institutional Ranking Framework” (NIRF) co-ordinator.

12) Subject teaching at Under Graduate Level:

- ❖ Engineering Graphics I & II.
- ❖ Basic Mechanical Engineering
- ❖ Hydraulics & Pneumatics
- ❖ Mechatronics
- ❖ Technical Skill Development

13) Subject teaching at Postgraduate level: N.A

14) Projects Carried out :Guided 4 Project groups at UG Level.

15) Patents - NIL



1) **Name:** Yashwant Shrirang Munde

2) **Designation:** Assistant Professor

3) **Qualification:** M.Tech.(Mech-CAD/CAM & Automation), Pursuing PhD

4) **Experience:** Teaching: 6 Years 6 Months, Industry: 01 Year

5) **Area of Interest:** Natural Fiber Reinforced Composite Materials,

Finite Element Method, Industrial Robotics

6) **Workshop Attended**

- Workshop attended on Hydro-Forming in Radiance'08 at IIT Bombay on 15-16th March 2008

July 2009- June 2010

- One day workshop attended on “Implementation of syllabus of MD & CG (2008 course) for S. E. mechanical Engg.” at VIIT Pune. – 11th July 2009
- One week STTP attended on “FEA Tool for Non-Linear Analysis” at Dr. J. J. Magdum College of Engineering, Jaysingpur. - 21st to 26th Dec 2009
- One day workshop attended on “Geometry Modeling using Solid works” at PEES’s Modern COE, Pune. - 9th Jan 2010
- One day workshop attended on “Implementation of syllabus of Geometric Modeling (2008 course) for S. E. mechanical Engg.” at VidyaPratistan’s College of Engineering, Baramati. – 25th Feb. 2010
- One day workshop attended on “Introduction to Innovation & Entrepreneurship” at G. H. Raisoni Institute of Engineering & Technology, Pune. – 2nd March 2010

July 2010- June 2011

- Three weeks “Industrial Training Program” at Precision Automation & Robotics India Ltd. (PARI), Pune. – 13th June 2011 to 1st July 2011

July 2011- June 2012

- Two day workshop attended on “Vibration diagnostics and condition monitoring of machine elements” at MIT College of Engineering, Pune. – 7th – 8th October 2011
- One day workshop attended on “syllabus implementation of Robotics” at PVG’s College of Engineering, Pune. – 14th January 2012
- Three day workshop attended on “Recent trend in heat exchangers” at VIIT, Pune. – 27th to 29th January 2012
- One week STTP attended on “Virtual instrumentation using LABVIEW” at VIIT, Pune. – 05th to 09th March 2012
- One day workshop attended on “Faculty development program on robotics” at MAEER’s MIT, Pune. – 10th March 2012

July 2012- June 2013

- Three day workshop attended on “Advances in analysis, measurement and control of noise, vibration & harshness” at MKSSS’s Cummins College of Engineering, Pune. – 19th to 21st June 2013

July 2013- June 2014

- One week TEQIP-II sponsored Faculty Development Program attended on “Nanomaterials and Nanocomposites” at College of Engineering, Pune (COEP). – 02nd to 06th December 2013
- One week TEQIP sponsored Faculty Development Program attended on “A Workshop on Characterization of Macro-, Micro- and Nanomaterials” at College of Engineering, Pune (COEP). – 02nd to 06th June 2014
- Two week ISTE workshop on “Computer Programming” conducted by Indian Institute of Technology Bombay. – 20th May to 21st June 2014

7) Paper Presented/ Published:

Paper in International Journal

July 2012- June 2013

- [1] **Yashwant S. Munde**, Prashant R. Anerao “Thermal analysis of feeder neck using FEM for a metal casting” *International Journal of Emerging Technology and Advanced Engineering* (ISSN 2250-2459) Volume 2, Issue 8, August 2012.

July 2014- June 2015

- [1] **Yashwant S. Munde**, Ravindra B. Ingle “Theoretical Modeling and Experimental Verification of Mechanical Properties of Natural Fiber Reinforced Thermoplastics” *Procedia Technology* 19 (2015) 320 – 326

July 2015- June 2016

- [1] **Yashwant S. Munde**, R. Ramprasath · S. Jayabal · S. KalyanaSundaram, Investigation on Impact Behavior of Rice Husk Impregnated Coir-Vinyl Ester Composites, *Macromolecular Symposia* 361(1):123-128 · March 2016. DOI: 10.1002/masy.201400246

Paper in International Conferences:

July 2009- June 2010

- [1] **Yashwant S. Munde**, Prof. S. V. Sawlekar “Design and analysis of fiber reinforced composite laminates for optimum weight based on strength criteria” *International*

conference on advances in mechanical Engineering at SVNIT, Surat, Gujarat, India. 4 to 6th January 2010, PP 351-356.

July 2011- June 2012

[1] **Yashwant S. Munde**, Nisarg Joshi, Satish Dhole, RushaliDaga, AbhisheekDeahpande, K.D. Deodhar, A. P. Kulkarni “Analysis of multi-layered composite thin cylindrical tube” *International conference on functional materials for defense, ICFMD-2012 at Defense Institute of Advanced Technology(DIAT), Pune, Maharashtra, India. 18th to 20th May 2012.*

[2] **Yashwant S. Munde**, Nisarg Joshi, Satish Dhole, RushaliDaga, AbhisheekDeahpande, K.D. Deodhar, A. P. Kulkarni “Analysis of multi-layered hybrid composite cylindrical tube” *International conference on functional materials for defense, ICFMD-2012 at Defense Institute of Advanced Technology(DIAT), Pune, Maharashtra, India. 18th to 20th May 2012*

Paper in National Conferences:

July 2013- June 2014

[1] **Yashwant S. Munde**, Ravindra B. Ingle “Experimental Investigation of biocomposite reinforced with natural fibers” *Regional Research Conference Innovation 2014, BCUD, University Of Pune. 2nd May 2014.*

July 2014- June 2015

[1] **Yashwant S. Munde**, Ravindra B. Ingle “Experimental Investigation of biocomposite reinforced with natural fibers” *Regional Research Conference Innovation 2015, BCUD, University Of Pune. 1st July 2015.*

8) Departmental Administrative Responsibilities:

- Team member in NBA and Autonomy implementation activities.
- BE Mentor
- BE Result Analysis

9) Contribution in the University Activities:

- i. Paper checking for Automobile Engg, Robotics, CAD/CAM & Automation, BME
- ii. BCUD Research Project Co-Principal Investigator

10) Membership of Scientific and Professional Society:

- i. ISTE

11) Samstha Level administrative Responsibilities:

12) Subject teaching at Under Graduate Level:

1. CAD/CAM and Automation
2. Robotics
3. Automobile Engineering
4. Geometric Modeling
5. Machine drawing and computer graphics
6. Engineering Graphics I
7. Basic of Mechanical Engg

13) Subject teaching at Postgraduate level:

1. Robotics

14) Projects Carried out :

1. BE Student's Group Projects guide: 04.

15) Patents - Nil



- 1) **Name:**ShashikantPandurangSoman
- 2) **Designation:** Assistant Lecturer
- 3) **Qualification:** B.E. Mechanical
- 4) **Experience:** Industry – 0 Year, Teaching- 16 Years
- 5) **Area of Interest:** Heat Power Engg
- 6) **Workshop Attended**

7) **Paper Presented/ Published:**

8) **Departmental Administrative Responsibilities:**

- i. NSS departmental coordinator
- ii. FE result

9) **Contribution in the University Activities:**

10) **Membership of Scientific and Professional Society:**

11) **Samstha Level administrative Responsibilities:**

12) **Subject teaching at Under Graduate Level:**

- i. Basic Mechanical Elements
- ii. Engg Graphics I & II

13) **Subject teaching at Post graduate level:**

14) **Projects Carried out :**

15) **Patents -**

16) No. of Books Published with details –

- i. Engineering Drawing, DnyaneshwarVidyapeethPrakashan.



- 1) **Name:** VAHADNE MANDAR ASHOKRAO.
- 2) **Designation:** Assistant Professor.
- 3) **Qualification:** M.E(Design).
- 4) **Experience:** Teaching- 6 Years
- 5) **Area of Interest:** Machine Design, Vibration.
- 6) **Workshops Attended :**
 - One Week ISTE STTP On “ADVANCED OPTIMIZATION TECHNIQUES FOR INNOVATIVE RESEARCH IN TECHNOLOGY ” at Department of Mechanical Engineering , MAEER` s MIT College of Engineering,
 - Two week ISTE workshop on “Engineering Thermodynamics”, K.K.WaghCOE,Nashik.
 - State Level Workshop on “Emerging Trends in Solar Energy and Fuel Cells” ,PVG COE Nashik.
 - National workshop on “Advances in Analysis, Measurement & control of noise, vibration & Harshness”.
- 7) **Paper Presented/ Published:**
 - Paper presented on, ‘Experimental Testing by Mechanical Drive 3D Turbula Shaker Mixer to Improve Homogeneity and MAintain Moisture ratio of Turmeric Powder and Sodium Sulphate Mixture, in Technospire SRES COE Kopargaon.
 - Paper Presented on “Heat transfer & flow through rectangle duct” in International conference on recent advances in Mech. Engg. (ICRAME 2015) G.H. Raisonni college of Engg. Wagholi- 4122.7.
- 8) **Departmental Administrative Responsibilities:**
 - Deptt. Asst Library Incharge.
 - Industrial Visit Incharge.
 - DepttAsst NSS Co-ordinator.
- 9) **Contribution in the University Activities:**
- 10) **Membership of Scientific and Professional Society:**
- 11) **Samstha Level administrative Responsibilities:.**

12) Subjects teaching at Undergraduate Level:

- Theory of Machines - I , II
- Computer Oriented Numerical Methods
- Machine Drawing and Computer Graphics
- Strength of Material
- Engg. Graphics.
- Basic Mechanical Engg.
- DOM

13) Subject teaching at Postgraduate level: Nil.

14) Projects Carried out : Nil.

15) Patents:- Nil.