

Name	Dr Shashikant S Goilkar PhD Mechanical Engineering
Date of Birth	05/11/1972
Highest Qualification	PhD
Branch / Specialization Designation	Mechanical Engineering Associate Professor and Dean R & D
Department	Mechanical Engineering
Date of Joining the Institute	05/11/2011



Academic Appointments

Name of the University / Institute	Duration	Designation
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Finolex Academy of Management and Technology, Ratnagiri	From 05/11/2011 to till date	Associate Professor
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Total Experience – 16.5 Years

Papers Presented/Published in National/ International Conferences

National Conference:-

1. Saniket C. Warekar, **S. S. Goilkar**, "Study of Wear & Corrosion Resistance of Cold Sprayed Components", 2nd National Conference on Recent Advances in Science and Technology (RAST 2K16), Finolex Academy of Management & Technology, Ratnagiri, February 17-18, 2016.
2. Suraj H Kumbhar, **S. S. Goilkar**, "Control of Cutting Tool Vibration in CNC using Damping Pad", 2nd National Conference on Recent Advances in Science and Technology (RAST 2K16), Finolex Academy of Management & Technology, Ratnagiri, February 17-18, 2016.
3. Ajinkya A. Bapat, **S. S. Goilkar**, "Study and Design of Agitators", 2nd National Conference on Recent Advances in Science and Technology (RAST 2K16), Finolex Academy of Management & Technology, Ratnagiri, February 17-18, 2016.
4. Supriya A. Patil, **S. S. Goilkar**, "Review Paper on Design Strategies for Manufacturing Fixtures as per Machine Operations", 2nd National Conference on Recent Advances in Science and Technology (RAST 2K16), Finolex Academy of Management & Technology, Ratnagiri, February 17-18, 2016.

5. Amol V. Patil, **S. S. Goilkar**, "Optimization of Wall Thickness for Minimum Heat Losses for Induction Furnace", 2nd National Conference on Recent Advances in Science and Technology (RAST 2K16), Finolex Academy of Management & Technology, Ratnagiri, February 17-18, 2016.
6. P. N. Dalal, **S. S. Goilkar**, "Value Analysis based Design Modification of Mechanical Face Seal", National Conference on Emerging Trends in Productivity (ETP 2014), Shri Guru Gobind Singhji Institute of Engg. & Tech., Nanded, January 10-11, 2014.
7. **S. S. Goilkar**, Harish Hirani, Anirban Guha, "An experimental study of wear process and mechanism of Mechanical face seal", 1st TRIBO-INDIA conference on Tribology of Automotive Systems, IIT, Delhi, December 11-12, 2009.
8. **S. S. Goilkar**, S. K. Thorat, "Finite element analysis of Stepped Cantilever Beams for Crack location and Size" In National conference on 'Optimization Techniques in Engineering Sciences and Technologies' at BIT, Sathyamangalam, April 11-12, 2006.

International Conference:-

1. S B Kulkarni , **S. S. Goilkar**, "On the class of Exact Solutions of Elastico-viscous Fluid in a tube of Elliptical cross section over an inclined rigid plane on the porous Boundary", International Conference on "Ethical Prospects: Economy, Society and Environment (EPESE-2015), University of Mumbai, Ratnagiri Sub center, Ratnagiri, March 13-14, 2015.
2. S. H. Kumbhar, S. S. Surve, **S. S. Goilkar**, "Effect Of Particle Damping On Vibrating Cantilever Beam", International Conference on "Ethical Prospects: Economy, Society and Environment (EPESE-2015), University of Mumbai, Ratnagiri Sub center, Ratnagiri, March 13-14, 2015.
3. S. S. Surve, **S. S. Goilkar**, "Modal Analysis of Motorcycle Handlebar from Rider's Comfort Perspective", International Conference on "Ethical Prospects: Economy, Society and Environment (EPESE-2015), University of Mumbai, Ratnagiri Sub center, Ratnagiri, March 13-14, 2015.
4. P. N. Dalal, **S. S. Goilkar**, S. Bondave, Datta Kuvalekar, "Materials for Mechanical Face Seals", International Research conference on innovative strategies in commerce, management, engineering technology & social sciences, Goa, June 10 – 11, 2013.
5. S. S. Malusare, U. D. Gulhane, **S. S. Goilkar**, "Review of Magneto rheological Fluid and its Applications", International Research conference on innovative strategies in commerce, management, engineering technology & social sciences, Goa, June 10 – 11, 2013.
6. A. V. Patil, **S. S. Goilkar**, Datta Kuvalekar, "Failures in Mechanical Face Seals", International Research conference on innovative strategies in commerce, management, engineering technology & social sciences, Goa, June 10 – 11, 2013.
7. **S. S. Goilkar**, "Performance analysis and comparison of an I. C. Engine with Petrol, LPG and Biogas-Petrol blend", International Conference on Global Technology Initiatives, Rizvi College of Engineering, Mumbai, March 29 – 30, 2012.
8. **S. S. Goilkar**, H. Hirani, "Design of Mechanical face seal rotary joint using Innovative Tribo-design", PDMA (Product Development and Management Association) India, 4th International Conference on New Product Development: Challenges in Meltdown Times, NPDC-2009, IIT Madras, December 17-19, 2009.

9. **S. S. Goilkar**, H. Hirani, "Experimental Studies and Failure Analysis of Carbon-Graphite Dynamic Seal" 8th EDF/LMS Poitiers Workshop on Dynamic Sealing in severe conditions, FUTUROSCOPE, France, October 5, 2009.
10. H. Hirani, **S. S. Goilkar**, "Rotor dynamic Analysis of Carbon Graphite Seals of a Steam Rotary Joint", IUTAM – International Symposium on Emerging Trends in Rotor Dynamics, IUROTOR-2009, IIT, Delhi, March 23-26, 2009.
11. **S. S. Goilkar**, H. Hirani, "Parametric Study on Balance Ratio of Mechanical Face Seal in Steam Environment", 2nd International Conference on Advanced Tribology, ICAT 2008, Singapore, December 3-5, 2008.
12. **S. S. Goilkar**, H. Hirani, "Tribological Characterization of Carbon Graphite Secondary seal", 6th International Conference on Industrial Tribology, ICIT-08, SCOPE Convention Centre, CORE8, Lodhi road, New Delhi, November 6 – 8, 2008.
13. **S. S. Goilkar**, H. Hirani, "Vibration Analysis to Estimate the Life of Spur Gears", IISc Centenary – International Conference on Advances in Mechanical Engineering, IC-ICAME, IISc Bangalore, July 2 – 4, 2008.
14. **S. S. Goilkar**, D. S. Patil, S. S. Mohite, "Design and development of computer based bench drilling machine" 22nd International conference on "CAD/CAM, Robotics and factories of the future at VIT, Vellore, July 19-22, 2006.
15. **S. S. Goilkar**, R.S. Shinde, D. S. Patil, "Experimental analysis of Diesel engine with Karanji Seed (Pongamia Glabra) Oil – Diesel Blend" International conference on Bio-Fuels Vision 2015 at BCE, Bikaner, October 13-15, 2006.
16. **S. S. Goilkar**, D. S. Patil, S. S. Mohite, "The low cost Automation of Computer based bench drilling machine" International conference on 'Recent Trends in Automation and its Adaptation to Industries' at PEC&A, Nagpur, July 11-14, 2006.
17. **S. S. Goilkar**, Dr. J.A. Tamboli, "Dynamic response analysis of Electrorheological fluid damper" International conference on 'Advances in Materials, Product Design and Manufacturing Systems' at BIT, Sathyamangalam, December 12-14, 2005.

Papers Presented/Published in National/ International Journals

National Journal: -

1. **S. S. Goilkar**, Hirani H., "Tribological Characterization of Carbon Graphite Secondary Seal" Indian Journal of Tribology, Vol. 4 (2), 2009, pp. 1-6.

International Journal:-

1. Saniket C. Warekar, **S. S. Goilkar**, "Study of Wear & Corrosion Resistance of Cold Sprayed Components", Asian Journal of Convergence in Technology (Article in Press).
2. Amol V. Patil, **S. S. Goilkar**, "Optimization of Wall Thickness for Minimum Heat Losses for Induction Furnace", Asian Journal of Convergence in Technology (Article in Press).
3. Supriya A. Patil, **S. S. Goilkar**, "Review Paper on Design Strategies for Manufacturing Fixtures as per Machine Operations", Asian Journal of Convergence in Technology (Article in Press).

Press).

4. Ajinkya A. Bapat, **S. S. Goilkar**, "Study and Design of Agitators", Asian Journal of Convergence in Technology (Article in Press).
5. Suraj H Kumbhar, **S. S. Goilkar**, "Control of Cutting Tool Vibration in CNC using Damping Pad", Asian Journal of Convergence in Technology (Article in Press).
6. S. S. Surve, S. B. Kumbhar, **S. S. Goilkar**, "Acoustics and Flow Field Analysis of Perforated Muffler Design", International Journal of Engineering Development and Research (IJEDR), Vol. 2, Issue 4, pp. 3565-3570, 2014.
7. P. N. Dalal, **S. S. Goilkar**, S. Bondave, Datta Kuvalekar, "Materials for Mechanical Face Seals", International Journal of Advances in Management, Technology and Engineering Sciences, IJAMTES, Vol. 2, Issue 9 (III), pp. 104 – 110, June 2013.
8. S. S. Malusare, U. D. Gulhane, **S. S. Goilkar**, "Review of Magneto rheological Fluid and its Applications", International Journal of Advances in Management, Technology and Engineering Sciences, IJAMTES, Vol. 2, Issue 9 (III), pp. 99 – 103, June 2013.
9. A. V. Patil, **S. S. Goilkar**, Datta Kuvalekar, "Failures in Mechanical Face Seals", International Journal of Advances in Management, Technology and Engineering Sciences, IJAMTES, Vol. 2, Issue 9 (III), pp. 93 – 98, June 2013.
10. **S. S. Goilkar**, "Performance analysis and comparison of an I. C. Engine with Petrol, LPG and Biogas-Petrol blend", International Journal of Global Technology Initiatives, ISSN 2277-6591, Issue 1, pp. B- 97-101, March 2012.
11. H. Hirani, **S. S. Goilkar**, "Rotor dynamic Analysis of Carbon Graphite Seals of a Steam Rotary Joint", Proceedings of the IUTAM - International Symposium on Emerging Trends in Rotor Dynamics, Vol. 1011, pp. 253-262, 2011.
12. **Goilkar S. S.**, and Hirani H., "Parametric Study on Balance Ratio of Mechanical Face Seal in Steam Environment" Tribology International, Vol. 43, No. 5-6, pp. 1180-1185, 2010.
13. H. Hirani and **Goilkar S. S.**, "Formation of Transfer Layer and its Effect on Friction and Wear of Carbon-Graphite Face Seal under Dry, Water and Steam Environments", Wear, Vol. 226 (11-12), 2009, pp. 1141-1154.
14. **Goilkar S. S.**, and Hirani H., "Design and development of test setup for online wear monitoring of mechanical face seals using torque sensor", Tribology Transactions, Vol. 52 (1), 2009, pp. 47-58.

Number of Workshops, STTPs Attended

Attended: -

1. Attended Four Weeks AICTE approved IITB workshop on "**Use of ICT in Education for Online and Blended Learning**" conducted at Finolex Academy Remote center from 2nd May to 10th July 2016.
2. Attended Three days Training program for chapter writers of "**Human Development Report of Ratnagiri District**" at Yashada, Government of Maharashtra, Pune from 14th to

16th March 2016.

3. Attended Two weeks ISTE-IITKGP workshop on **"Fluid Mechanics"** conducted at Finolex Academy Remote center from 20th to 30th May 2014.
4. Attended Two weeks ISTE-IITB workshop on **"Engineering Mechanics"** conducted at Finolex Academy Remote center from 26th November to 06th December 2013.
5. Attended Two weeks ISTE-IITB workshop on **"Engineering Thermodynamics"** conducted at Finolex Academy Remote center from 11th to 21th December 2012.
6. Attended two days MHRD funded and IIT Bombay conducted workshop on **'Introduction to Robotics'**, at Mumbai University, Kalina Campus, from 30th November to 1st December 2012.
7. Attended one day MHRD funded ISTE-IITB Coordinators workshop on **"Aakash for Education"** at IIT Bombay, on 5th November 2012.
8. Attended three days MHRD funded ISTE-IITB Coordinators workshop on **"Introduction to Research Methodology"** at IIT Bombay, from 13th to 15 June 2012.
9. Attended One day workshop on **"Intellectual Property Rights"** at DKTE, Ichalkaranji, Kolhapur, on 11th March 2011.
10. Attended One day workshop on **'Geometry Modeling using Solidworks'**, at WIT Solapur on 6th March 2010.
11. Attended One day workshop on **'Teaching Methodology of T. E. (Mechanical Engineering) Subjects'** at BIGCE, Solapur on 17th February 2010.
12. Attended One day workshop on **'Syllabus Setting of B. E. (Mechanical Engineering), in curriculum of Solapur University'** at BMIT, Solapur on 11th February 2010.
13. Attended two weekends workshop on **'Patent Searching & Drafting'** at IPR Cell, IIT Bombay on 20th September and 10th October 2009.
14. Attended Two weeks Certificate Course on **'Piping Engineering'**, under the Continuing Education and Quality Improvement Programmes, at Piping Engineering Cell, CAD Center, IIT Bombay from 10th to 24th May 2006.
15. Attended One day Pre – Conference school on **'Recent Trends in Automation and its Adaptation to Industries'** at PEC&A, Nagpur, on July 11, 2006.
16. Attended Two weeks I. S. T. E. Summer school on **"Mechatronics"**, at KIT's college of engineering, Kolhapur from 6th to 17th June 2005.
17. Attended Three days workshop on **'Mechatronics'**, at Fr. Rodrigues College of Engg. Vashi, Navi-Mumbai on 28th, 29th & 30th October 2004.
18. Attended International Conference on **'Advanced Manufacturing Technology'**, at VJTI, Matunga, Mumbai on 29th, 30th & 31st January 2003.
19. Attended one day workshop on **'Curriculum development - Restructuring of syllabus for B.E. (Production) course'**, at KIT's college of engineering, Kolhapur on 30th August 2002.

Organized: -

For Faculty:-

1. Worked as coordinator of Six days workshop organized jointly by Directorate of Technical Education (DTE), Govt. Of Maharashtra & NASSCOM on **"Foundation Skill in Information Technology"** conducted at Finolex Academy of Management & Technology, Ratnagiri, May 02nd to 07th 2016.
2. Organized and worked as Chairman of 2nd National Conference on **"Recent Advances in Science & Technology, RAST 2K16"**, FAMT, Ratnagiri, February 17-18, 2016.
3. Worked as a Remote Center Coordinator of Two Weeks ISTE-STTP on **"Technical Communication"** conducted at Finolex Academy Remote center from 8th October to 5th December 2015.
4. Worked as Organizing Committee member of **"International conference on "Ethical prospects: economy, society and environment (EPESE 2015)"** University of Mumbai, Ratnagiri Sub center, Ratnagiri, March 13 - 14, 2015.
5. Worked as a Remote Center Coordinator of Two Weeks ISTE-IITB workshop on **"Cyber Security"** conducted at Finolex Academy Remote center from 10th July to 20th July 2014.
6. Worked as a Remote Center Coordinator of Two Weeks ISTE-IITB workshop on **"Computer Networking"** conducted at Finolex Academy Remote center from 30th June to 05th July 2014.
7. Worked as a Remote Center Coordinator of Two Weeks ISTE-IITB workshop on **"Computer Programming"** conducted at Finolex Academy Remote center from 20th May to 21st June 2014.
8. Worked as a workshop coordinator of Two days ISTE-IITB workshop on **"Aakash for Education"** conducted at Finolex Academy Remote center from 10th to 11th November 2012.
9. Worked as a workshop coordinator of two weeks ISTE-IITB workshop on **"Introduction to Research Methodology"** conducted at Finolex Academy Remote center from 25th June to 4th July 2012.
10. Worked as a Course coordinator of one day workshop on **"Industrial Consultancy"** conducted at Dr. JJMCOE, Jaysingpur, Kolhapur, on 9th September 2011.
11. Worked as a Course coordinator of Two Days workshop on **"Mechatronic Systems and PLC Programming"** conducted at Dr. JJMCOE, Jaysingpur, Kolhapur, from 25th to 26th February 2011.

For Students: -

1. Organized One Day workshop on **"Robotics"**, conducted at FAMT, on 04 October 2014.
2. Worked as Convener of One Day Orientation-cum-workshop for **"Inter Collegiate Research Convention Avishkar 2014-15"** on 12th August 2014, organized by FAMT on behalf of Mumbai University.
3. Organized Two Days workshop on **"Robotics"**, conducted at FAMT, from 17th to 18th August

2013.

4. Worked as a Workshop Coordinator for **“Aakash Android Application Development Programming for Students”** Under National Mission on Education through ICT (MHRD, Govt. of India) through online IIT Bombay Remote Center from 23rd to 24th February and 2nd -3rd March 2013.

Students projects Guided at Masters Level

1. Study & vibration response analysis of particle damper
2. Vibration analysis of motor cycle handle bar
3. Value analysis based design modification of Mechanical Face Seal Joint
4. Design & Development of MR – Fluid clutch
5. Analysis of Mechanical Face Seal Joint Failure

Membership in Professional Bodies

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

Seminars/Lecture/ Invited Talks Delivered As Resource Person

1. Worked as a Resource Person and conducted session in total one week workshop on weekends on **“Funding Schemes Available for Research Proposal”** organized by Research, Development and Consultancy Cell (RDCC) conducted at Finolex Academy of Management & Technology, Ratnagiri, 13th February to 23rd April 2016.
2. Worked as a Resource person and conducted session in **“Entrepreneurship Awareness Camp”** funded by DST and organized by Innovation and Entrepreneurship Development Cell (IEDC) conducted at Finolex Academy of Management & Technology, Ratnagiri, 13th February to 23rd April 2016.

Awards / Honours / Prizes

NIL

Research / Sponsored / Consultancy Projects

NIL

College Exam Duties - Type of Work

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

Other Experience

1. Working as a **Dean R and D** of Institute.