

CURRICULUM VITAE

Personal Details

Name	Dr.Prashant Bhanudas Kushare
Date of Birth	13 th December 1974
Permanent Address	SIZURA,Plot No.3,sr.No.491/1/24,Shreeramnagar, Adgaon Shivar, Nashik-03
Mailing Address	Mechanical Engineering Department, K. K. Wagh Institute of Engineering Education and Research, Hirabai Haridas Vidyanagari, Amrutdham, Panchavati, Nashik-03
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Educational Qualifications

Degree	Board/University/IT	Institution	Year	Aggregate Marks
Ph.D (Mechanical Engineering)	Indian Institute of Technology Roorkee-247667 (India)	Indian Institute of Technology Roorkee	July 2012- June 2015	Awarded on Oct.3, 2015.
M. Tech (Machine Design)	Indian Institute of Technology Roorkee-247667 (India)	Indian Institute of Technology Roorkee.	June 2007	8.00/10 (C.G.P.A)
M.B.A. (Mat.Mgt)	Pune University Maharashtra (India)	PIREN's Institute of Business Administration & Management, Pravaranagar	July 1999	69.70%
B. E. (Mechanical Engineering)	Pune University Maharashtra (India)	A.V.C.O.E, Sangamner	June 1996	64.64%

Experience

**K. K. Wagh I. E. E. & R.,
Amrutdham, Panchavati,**

Worked as lecturer in Department of Mechanical Engineering from January 2002 to Sept. 2008 (06Years).

Nashik

Working as Assistant professor in Department of Mechanical Engineering since September 2008 to July 2012 (04 Years)

Working as Associate professor in Department of Mechanical Engineering since August 2012 to Sept. 2017

Working as Professor in Department of Mechanical Engineering since Sept. 2017

Workshops attended

- Participated in National level Seminar on “Environmental Awareness” held at A.V.C.O.E, Sangamner during March 22-1998.
- Attended Training workshop on “Milk Processing and Milk Products” at NDDDB, Anand, Gujarat during Dec 10, 14-2002.
- Attended a workshop on “Fighter Aircraft History Evolution and Modern Technologies”, organized by Institution of Engineers, Nashik Chapter, during Jan.7-2003.
- Attended seminar on “Competitiveness the Growth Mantra” organized by JDC Bytco Institute of Management Studies and Research, Nashik on Feb, 7, 8- 2003.
- Participated in workshop on “Implementation of Syllabus for Basic Mechanical Engineering subject organized by Sinhgad College of Engineering, Pune on Aug.2-2003.
- Participated in workshop on “Implementation of Syllabus for Engineering Graphics-I and II subject organized by K.K.Wagh Institute of Engineering Education and Research, Nashik during Oct.20-2003.
- Attended One-day seminar on “Quality Education” organized by Sir Visvesvaraya Memorial Engineering College, Chincholi, Nashik on March, 29-2004.
- Attended Workshop on “Industrial vibration-A Diagnostic Approach” organized by Pravara Rural Engineering College, Loni, on April, 1, 2-2004.
- Participated in workshop on “Implementation of Syllabus for Engineering Graphics I & II subject organized by PICT, Pune on May.2-2008.
- Attended Faculty workshop on “All Terrain vehicle” at A.D.Patel Institute of Technology, Vidyavallabhnagar, Anand, Gujrat during Oct 5, 6-2008.
- Attended Two days Workshop on “Best practices in engineering Education” organized by METs College of Engineering, Nashik, on Feb, 5, 6-2010.
- Attended Two days Workshop on “orientation programme on NBA” organized by Association of Unaided Engineering Colleges, at PVGs,COE Pune, on July, 30-31, 2011.

- Attended Two days National level workshop on “Design Paradigms and Research” at Late. G. N. Sapkal College of Engineering, Nashik on Jan.23-24, 2016.
- Attended syllabus detailing workshop for subject “Design of Machine Elements-I” (DME-I) arranged at D Y Patil Institute of Engineering and Technology, Pimpri, Pune on 07-11-2016.
- Attended syllabus detailing workshop for subject “Design of Machine Elements-II” (DME-II) arranged at Rajarshi Shahu College of Engineering, Tathwade, Pune on 08-11-2016.
- Attended syllabus Implementation workshop for subject “Design of Machine Elements-I” (DME-I-2015 Course) organized at R.H.Sapat College of Engineering, management studies and Research, Nashik on 19-06-2017.
- Attended syllabus Implementation workshop for the subject “Mechanical System Design” (MSD) organized by SNJB College of Engineering, Chandwad on January 14, 2019.
- Attended syllabus Implementation workshop for the subject Elective “Tribology” organized Amrutvahini College of Engineering, Sangamner on January 23, 2019.

ONLINE MODE:

- Attended one day workshop on “**Smart Use of ICT Using Word Press (Blog Creation)**” SNJB, College of Engineering, Chandwad Dist. Nashik (Maharashtra State, India) on May11,2020
- Participated in One day online Workshop on “ Aspects of Green Technologies ” organized by Department of Mechanical Engineering, K.K. Wagh Institute of Engineering Education and Research, Nashik on May25,2020
- Participated in Two day online Workshop on “**ICT Tools for Collaboration**” organized by K.K. Wagh Institute of Engineering Education and Research, Nashik on June 1-2,2020
- Attended Webinar on “Energy Scenario Updates & Energy Conservation Tips for Engineers “Organised by Department of Mechanical Engineering, NBN Sinhgad School of Engineering, Ambegaon (BK), Pune on 04 June, 2020
- Attended webinar on ‘Post COVID-19 Scenario for Industry Institute Interaction (Students challenges & opportunities)’ organised by Department of Mechanical Engineering & Internal Quality Assurance Cell MVPs KBGT College of Engineering Nashik on June 6,2020
- Attended syllabus Implementation workshop for the subject “Geometric Dimensioning & Tolerancing (GD&T) (2019 Course)” organised by Mechanical Engineering Department of MES College of Engineering workshop in association with BoS (Mechanical/Automobile Engineering) on Friday, June19,2020

- Attended Syllabus Implementation Workshop for the course of “Engineering Thermodynamics” organised by D Y Patil College of Engineering, Talegaon, Ambi, Pune on June 20, 2020.
- Participated in Online Workshop on "Designing for Experience: Applying Design Thinking to Learning Organised by K.K.Wagh Institute of Engineering Education and Research, Nashik-03 and conducted by Mr. Basavaraj Hooli, Founder Director of Graceful Growth Consulting India Pvt. Ltd. on 17th, 18th & 21st July 2020
- Attended Webinar on Patent Protections for Innovation driven Educational institutions conducted by Ms. Manasi Chaudhry and organised by Turnip Innovations, Mumbai in association with Frontier legal on Aug.29, 2020.
- Attended Webinar on “**Practical Overview of Copyright in India**” organised by Turnip Innovations, Mumbai and conducted by Ms. Yesheshvini Ojha and Ms. Shravani Deeshmukh, Co-founders of Create & Protect Intellectual Property Partners on Nov.20, 2020.

Coursera Courses Completed

- Successfully completed “**Intelligent Machining**” an online non-credit course authorized by University at Buffalo and The State University of New York and offered through Coursera(May7,2020)
- Successfully completed “**Materials Science: 10 Things Every Engineer Should Know**” an online non-credit course authorized by University of California, Davis and offered through Coursera (May 6,2020)
- Successfully completed “**The Sustainable Development Goals – A Global,Transdisciplinary vision for the future**” an online non-credit course authorized by University of Copenhagen and offered through Coursera (May 6,2020)
- Successfully completed “**Introduction to Self-Driving Cars**” an online non-credit course authorized by University of Toronto and offered through Coursera (May24,2020)
- Successfully completed “**Machine Design Part I**” an online non-credit course authorized by Georgia Institute of Technology and offered through Coursera (June 11,2020)

Trainings attended

- STTP on “MEDCON” at NERIST, Itanagar, Arunachal Pradesh during Dec.2-13,2003.
- STTP on “Basic Teaching Competencies” at Pune, Organised by National Teachers Training Institute, Bhopal Madhya Pradesh during June14-25,2004.

- STTP on “Intellectual Property Right” under Faculty Development Programme at Indian Institute of Technology, New Delhi during Dec.6- 10,2004.
- STTP on “High Impact Teaching skill” under Mission 10X, Faculty Development Programme at NDMVPCOE,Nashik organized by Wipro during May18- 22,2009.
- ISTE Coordinators workshop on “Thermodynamics in Mechanical Engineering” at Indian Institute of Technology, Bombay during Feb,21-25,2011.
- STTP on “Dynamics and Controls of Mechanical Systems” at Indian Institute of Technology, Roorkee during Dec.26-30, 2011.
- STTP on “Recent advances in Manufacturing Automation and Simulation” at CBIT,Hyderabad during May 7-19, 2012
- STTP on “Modeling and Simulation of Dynamical Systems” at Indian Institute of Technology, Roorkee during Dec.30, 2013-Jan.3, 2014
- Successfully completed Faculty Development programme (FDP101x-Two week equivalent FDP course) on “Foundation Program in ICT for Education” conducted by Indian Institute of Technology, Bombay from August 3,2017-September 7,2017 under the aegis of National Mission for Teachers and Teaching,MHRD, Government of India.
- Successfully completed Faculty Development programme (FDP101x-Two week equivalent FDP course) on “Pedagogy for Online and Blended Teaching-Learning Process” conducted by Indian Institute of Technology, Bombay from Sept.14, 2017-Oct.12, 2017 under the aegis of National Mission for Teachers and Teaching, MHRD, Government of India.
- Successfully completed NPTEL online certification course “Design Practice” with score of 65% (Elite) during Feb-March-2018 (8-Week course) funded by MHRD, Government of India.
- Successfully completed Faculty Development programme on “Human Values” at Christ Institute of Management,Lavasa, Maharashtra state during July 9-15,2018 (one week) sponsored by AICTE,(MHRD) Government of India.

ONLINE MODE:

- Participated in the 4-days Online Course on “**Examination Reforms**” conducted during April 29 - May 2, 2020 organized by AICTE, New Delhi.
- Participated in One week Online Faculty Development Program (FDP) on “**Innovative teaching pedagogy in the technical institutions**” Organized by Karmveer Adv.B.G Thakare College of Engineering Nashik from June 1- 5, 2020
- Participated in One week Online Faculty Development Program (FDP) on “**Exploring the Dimensions of Innovation, Incubation and Emerging Technologies to Embrace Post COVID Changes**” Organized by Department of Mechanical Engineering, Hope Foundation’s Finolex Academy of Management & Technology, Ratnagiri from June 8- 12 June, 2020.

- Participated in the 6-Day (One Week) All India Council for Technical Education (AICTE), New Delhi sponsored online Short Term Training Programme (STTP) Series on “**Advances In Tribology and Surface Engineering: Series Tribology of Machine Components and Applied Tribology**” organised by department of Mechanical Engineering, Saintgits College of Engineering, Kottayam from September 14-19, 2020.
- Attended Online Faculty Development Program (FDP) on “**Universal Human Values**” (DEEKSHARAMBH (Student Induction Program) Organized by National Institute of Technology, Patna from September 21-25, 2020
- Successfully passing NPTEL online certification course “**NBA Accreditation and Teaching –Learning in Engineering (NATE)**” with score of 99% (Internal assessment) during Jan-April-2019 (12-Week course) funded by MHRD, Government of India.
- Participated in AICTE approved Short Term Training Program on “Composites: Fracture Toughness, NDE and Failure Analysis” Pillai Hoc College of Engineering and Technology, Rasayani. conducted online from 18th to 23rd January 2021

Industrial Trainings attended/Participated

- Completed Industrial training at Regional training Centre, Gujarat Ambuja Cements Limited
- MEDC-Faculty Development Programme during May/June 31, 2-2005.
- Attended Industrial training and Exhibition at Bosch India limited, Bangalore during Oct 8-11, 2009.
- Attended “Indo-German Meet-2012” at Mumbai, April-2012, Sponsored by Bosch India Ltd. Nashik-03.
- Attended Training program on “Noise Monitoring and Control Techniques”, Sponsored by Central Pollution Control Board, New Delhi at Indian Institute of Technology, Roorkee during Dec. 21-23, 2012.
- Completed Industrial training at Adani Dahanu Thermal Power Plant, Dahanu during April 15-30, 2019.

Workshops / Trainings and Meets organised

- Organised **National Seminar** on “Recent Advances in Mechanical Engineering” (RAME-2004) during Jan. 16, 17-2004. (**Organising Secretary**)
- Organised “MECHEAVEN-2004” SAE Students Activities during April 3, 4-2004. (SAE Faculty Advisor)
- Organised “MECHEAVEN-2005” SAE Students Activities during March 4, 5-2005. (SAE Faculty Advisor)
- Organised “MECHEAVEN-2008” SAE Students Activities during March 8, 9-2008. (SAE Faculty Advisor)

- Organised “MECHEAVEN-2009” SAE Students Activities during March 12, 13-2009. (SAE Faculty Advisor).
- Organised “MECHEAVEN-2010” Departmental Students Activities during March 12, 13-2010.(Coordinator).
- **Coordinator**, for Two Week ISTE workshop on “Thermodynamics in Mechanical Engineering” at K.K.Wagh Institute of Engineering Education and Research, Nashik-03 under the National Mission on Education through ICT (MHRD, Govt. of India) in association with IIT,Bombay during June,14-24,2011.
- **Remote Center Coordinator**, for Two Week ISTE workshop on “Heat Transfer” at K.K.Wagh Institute of Engineering Education and Research, Nashik-03 under the National Mission on Education through ICT (MHRD, Govt. of India)in association with IIT,Bombay during Nov.29-Dec.10,2011.
- **Remote Center Coordinator**, for Two Week ISTE workshop on “Computational Fluid dynamics” at K.K.Wagh Institute of Engineering Education and Research, Nashik-03 under the National Mission on Education through ICT (MHRD, Govt. of India) in association with IIT,Bombay during June 12-22, 2012.
- **Remote Center Coordinator**, for Two Week ISTE workshop on “Research Methodology” at K.K.Wagh Institute of Engineering Education and Research, Nashik-03 under the National Mission on Education through ICT (MHRD, Govt. of India) in association with IIT,Bombay during June 25-July 4, 2012.
- **Organized and conducted a Two Days State Level Faculty development workshop** at Mechanical Engineering Department,K.K.Wagh Institute of Engineering Education and Research, Amrutdham, Panchavati, Nasik-03 on “ Mechanical Engineering Design: Trends & Practices” in association with **Savitribai Phule Pune University,Pune** during **January 27-28,2017**.
- Organized Syllabus Implementation Workshop (Nashik & Ahmednagar Region) on January 8, 2018 for Design of Machine Elements-II T.E. Mechanical Engineering (Course 2015) of Savitribai Phule Pune University-Pune at Mechanical Engineering Department K.K.Wagh Institute of Engineering Education and Research Nashik-03.
- **Organized and conducted a One day State Level workshop** at Mechanical Engineering Department, K.K.Wagh Institute of Engineering Education and Research, Amrutdham, Panchavati, Nasik-03 on “Design: Connector between creativity and Innovation” in association with IET, LN Nashik on September 8, 2018.
- **Organized and conducted a Two Days workshop** at Mechanical Engineering Department,K.K.Wagh Institute of Engineering Education and Research,

Amrutdham,Panchavati, Nasik-03 on “Condition Monitoring and Fault Diagnosis” in association with IET(UK) Nasik Local Network during 28th -29th, December, 2018.

- **Organized and conducted a Two Days workshop** at Mechanical Engineering Department,K.K.Wagh Institute of Engineering Education and Research, Amrutdham,Panchavati, Nasik-03 on “Role of Condition Monitoring for Industry4.0” in association with IET(UK) Nasik Local Network during 28th -29th, December, 2019.
- Organized and conducted Alumni meet of Mechanical Engineering Department (Batch-2015-16,2016-17,2017-18) working in MSL Driveline system Ltd,Nashik at Mechanical Engineering Department,K.K.Wagh Institute of Engineering Education and Research, Amrutdham,Panchavati, Nasik-03 on January 12, 2019.

Conferences and Publications

1. Published paper entitled “Study of Two-Lobe Four Recessed Hybrid Journal Bearing”, **Industrial Lubrication and Tribology**, Vol 62, Issue 6, pp.332 – 340, **2010..(Impact Factor:0.444[0.763])**
2. Published paper entitled “A study of two lobe non recessed worn journal bearing operating with non-Newtonian lubricant”, **Proceedings of the Institution of Mechanical Engineers,PartJ:JournalofEngineeringTribology**,Volume,227,Issue.12,**2013**,Pages.1418-1437.**(Impact Factor:0.660[1.318])**
3. Published paper entitled “Nonlinear Transient Stability Study of Two Lobe Symmetric Hole Entry Worn Hybrid Journal Bearing Operating with Non-Newtonian Lubricant. **Tribology International**, Volume 69, **January 2014**, Pages 84-101.**(Impact Factor:2.124[3.276])**
4. Published paper entitled “Surface roughness effect on the Performance of 3-lobe symmetric hole entry hybrid journal bearings. **Applied Mechanics and Materials**, Vol. 592, **2014**, pages 1190-1194. ((ISSN: 1662-7482)) **SCOPUS**.
5. Published paper entitled “Two Lobe Non-recessed Roughened Hybrid Journal Bearing-A Comparative Study, **Tribology International**, Volume 83, **March 2015**, Pages 51-68. **(Impact Factor: 2.124)**
6. Published paper entitled “A Study of Worn 2-Lobe Slot Entry Restrictor Bearing System. **Mechanics and Industry**, Volume 16 [502], **May 2015**, Pages 502:1-14. **(Impact Factor:0.206[0.659])**
7. Published paper entitled “A Study of 2-Lobe Symmetric Hole Entry Hybrid Journal Bearing Operating with Non-Newtonian Lubricant Considering Thermal Effects”, **Tribology International**. Volume 92, **December 2015**, Pages 567-576. **(Impact Factor: 1.91)**

8. Published paper entitled “Nonlinear Transient Response of Rough Symmetric Two Lobe Hole Entry Hybrid Journal Bearing System. **Journal of Vibration and Control.**, Volume 23 [2],pp.190-219, Feb.2017 .(**Impact Factor:2.101**)
9. Published paper entitled “Design and Development of Novel Configuration of Steering Knuckle for an All Terrain Vehicle (ATV)” **Journal of Advancements in Material Engineering**,Vol. 3(3),pp.30-40,2018

International Conferences:

1. Presented a paper entitled “QFD and SWOT”, organized by Bharatisadan University, Tiruchy, Tamilnadu during **Feb, 22, 23-2003**.
2. Paper entitled “Performance of Two Lobe Multirecess Hybrid Journal Bearing Compensated with Capillary Restrictor”, published in the Proceedings of ASME/STLE International joint Tribology Conference, IJTC-2007, held at San Diego, California USA held during **Oct, 22, 24-2007**.
3. Paper entitled” Performance of Leman four Pocket Hybrid Journal Bearing With Different Offset Factor” Published in the Proceedings of International Conference on Engineering Technology(ICET-2007) organized by University of Kuala-lampur,Malaysia held during **Dec, 11, 13-2007**.
4. Paper entitled “Analytical study of Elliptical Four Pocket Hybrid Journal Bearing”, presented and published in the Proceedings of 15th ISME International Mechanical Engineering Conference,ISME-2008, held at Rajiv Gandhi Technological University, Bhopal (M.P) held during **March, 18, 20-2008**.
5. Paper entitled “A Study of Two Lobe Four Recessed Compensated Hybrid Journal Bearing System”, Proc. of 63rd STLE Annual Meeting, Cleaveland Ohio, USA, **May 18 – 22, 2008**, Abstract ID No. 393860.
6. Paper entitled “Performance of Two Lobe Six Recess Hybrid Journal Bearing with Different Offset Factor”, presented and published in the Proceedings of ^{ICCM}E International Conference, held at; Pollachi (Tamilnadu) held during **December, 18, 20-2008**.
7. Paper entitled “Performance of Two Lobe Six Recess Hybrid Journal Bearing Compensated with Capillary Restrictor”, presented and published in the Proceedings of International Conference on, ICCME-2009, held at, Hyderabad (A.P) held during **January, 9, 10-2009**.
8. Paper entitled “Performance of Hole entry Hybrid Journal Bearing Compensated with Capillary Restrictor”, presented and published in the Proceedings of International Conference on ,ICCIE-2010, held at, Sandip Foundations Sandip Institute of Technology, Nashik (M.S) held during **March,3-10-2010**.

9. Paper entitled “Performance evaluation of Two Lobe Multirecessed Worn Hybrid journal bearing operating under turbulent regime”, International Conference on Industrial Tribology (ICIT-2012), Pune, India. TSI-812598, **Dec.7-9,2012**
10. Paper entitled “Performance of Two Lobe Hole Entry Worn Hybrid Journal Bearing System Operating with Non-Newtonian Lubricant”, 5th ASIATRIB-2014, Agra (UP) India, Paper No.TSI914531, **17-20 February 2014.**
11. Paper entitled “Influence of Wear on the Performance Analysis of Non-Circular Non-Recessed Hybrid Journal Bearing Configurations”, International Conference on Advances in Tribology, ICAT-2014, National Institute of Technology Calicut, Kerala, India. Paper No.183, **21-24 February 2014.**
12. Paper entitled “Surface Roughness Effect on the Performance of 3-lobe Symmetric Hole Entry Hybrid Journal Bearings”, International Mechanical Engineering Congress- 2014 (IMEC-2014) Department Of Mechanical Engineering, National Institute Of Technology Tiruchirappalli - 620015, Tamilnadu, India. Paper Abstract ID: IMEC 2014-G-015, **June 13-15, 2014.**
13. Paper entitled “Influence of wear on stability of three lobe non-recessed hybrid journal bearing: A non-linear transient analysis”, **STLE-Tribology Frontiers Conference**, Chicago, Illinois (USA). Paper Abstract ID: 1983648, **October 26-28, 2014 .**
14. Paper entitled “The effect of Wear on The Performance of Slot Entry Hybrid Journal Bearing System”, **STLE Tribology Frontiers Conference**, Chicago, Illinois (USA). Paper Abstract ID: 1983649, **October 26-28, 2014.**
15. Presented paper entitled "Performance of Non-Newtonian Lubricated Worn 2-Lobe Slot Entry Restrictor Bearing System" at the 9th International Conference on Industrial Tribology (ICIT-2017) during **December 6-9, 2017** at Kolkata (WB).
16. Presented paper entitled “Study of Surface Roughness Effect on the Performance of Multilobe Hybrid Journal Bearing” at International Conference on Tribology (TRIBOINDIA-2018) during **December 13-15, 2018** at VJTI, Mumbai (Maharashtra).
17. Presented paper entitled “Thermal analysis of two lobe non-recessed hybrid journal bearings” at International Conference on Tribology (India-Trib-2019) during **December 1-4, 2019** at Indian Institute of Science, Bangalore.
18. Presented paper entitled “Experimental investigation of multi-lobe hydrodynamic journal bearing” at international conference on tribology (India-Trib-2019) during **December 1-4, 2019** at Indian Institute of Science, Bangalore.

National Conferences:

1. Published a paper entitled “Bio-diesel need of India”, Proceedings of Recent Trends in Automotive Fuels, Nagpur, India, 2002.

2. Presented a paper entitled “Technical Education –Need for Rural Development Center”, in XXXII Annual convention of ISTE at Nitte, Udapi Karnataka during Dec, 27, 29-2002.
3. Published a paper entitled “Machine Design Engineering - An Concurrent Approach”, in TIME-2003, organised by ISTE/Kalinga Institute of Technology at Warangal, Andrapradesh on Aug.31-2003.
4. Presented a paper entitled “Process Planning for Shape Deposition”, organised by Adhiyaman College Of Engineering at Hosur, Karnataka on Sept.8,9-2003.
5. Presented a paper entitled “Review of Shape Deposition Manufacturing”, organised by Kalyani Government Engineering College at Kalyani, West Bengal on Nov.14, 15-2003.
6. Presented a paper entitled “A Domestic Foldable Solar Dryer”, in ISME National Conference at Indian Institute of Technology Roorkee, during Dec, 30, 31-2003.
7. Presented a paper entitled “Lean Manufacturing-Go by Lean”, in RAME-2004 at K.K.Wagh College of Engineering, Nashik, Maharashtra during Jan, 16, 17-2004.
8. A study of multilobe slot entry hybrid journal bearing. National Tribology conference (NTC-2014), PES University, Bengaluru (India).Paper Abstract ID: NTC-2014-516, **December 15-18, 2014.**
9. Paper entitled“A study of Misaligned Non-Newtonian lubricated Two lobe Hybrid journal bearings”, NTC-2016 organized by Tribology Society of India and IIT Varanasi (BHU) on **December 8-10, 2016**
10. Paper presented on “Experimental Investigation of a Novel Configuration of a Two Lobe Journal Bearing” in Regional Research Conference‘Inovation-2017’ organized by Savitribai Phule Pune University-Pune held at HPT Arts and RYK Science College Nashik-422005 on 28th November 2017.

Expert Lectures/Talks Delivered

- Expert lecture delivered on Design Shaft, Bearing and Dampers during short training programme on Engineering Materials organised by Indian Railway Institute of Electrical Engineering at Nashik during **26 Feb-2008.**
- Delivered an Expert Talk on topic "Machine Design trends and aspects" at Guru Gobind Singh College of Engineering & Research Centre Nasik- 422009 on **August 31st, 2016.**
- Delivered an Expert Talk on topic "What is an Engineer all about?" during three day workshop organized by K.K.Wagh Poly.Nashik on "Gateway towards admission to Autonomous Institute and Career in Engineering" on **Feb-2-4, 2017.**
- Delivered an Expert Talk on topic "Bearing Stability" during Two days National Seminar on “Condition Monitoring of Rotating Machinery “organized by Mechanical Engineering Department, NDMVPS KBTCOE Nasik in association with BCUD, SPPU, Pune on **Feb-7-8, 2017.**
- Expert for the evaluation of projects on **15th November 2017** at zonal Level "Avishkar-2017" competition for the University Colleges (Nashik City Zone) of Pharmacy and Engineering held at College K.S. K.W. Arts, Sci. and Commerce College, Cidco, Nashik.

- Expert for the Academic External Audit conducted on April 24, 2018 at Mechanical Engineering Department, NDMVPS KBTCOE Nasik.
- Delivered an Expert Talk on topic "How to create an idea?" and Green design during one day workshop on "Design: Creativity and Innovation" organized by Mechanical Engineering Department, K.K.Wagh Institute of Engineering Education and Research, Amrutdham, Nasik-03 and IET Nashik Local Network on **September 8, 2018.**
- Delivered an Expert Talk on topic "Design Engineering and Creativity" at Mechanical Engineering department, NDMVPS KBTCOE Nasik on **October 9, 2018.**
- Delivered an Expert Talk on topic "Innovation and Invention in Design Engineering" during one week ISTE sponsored Faculty development program on Design and analysis of process equipment using analytical tools (Dec.17-21,2018) organized by SVIT ,Chincholi,Nashik on **17 December,2018**
- Delivered a session on topic "Stability Analysis of Multilobe Journal bearing" during Five days International workshop on "Industrial Tribology" organized by Mechanical Engineering department, Amrutvahini College of Engineering,Sangamner in association with Tribology Society of India and SPPU, Pune on **January15-19, 2019.**
- Delivered an Expert Talk during F.E Engineering Graphics Syllabus Implementation and detailing Workshop" at SNJB College of Engineering, Chandwad on December 11, 2019.
- Delivered an Expert Talk on topic "Innovation and Invention in Design Engineering" during one week ISTE sponsored Faculty development program on Design and analysis of process equipment using analytical tools (Dec.17-21,2018) organized by SVIT ,Chincholi,Nashik on **17 December,2018**
- Delivered an Expert Talk on "How to create an Idea??-Natures Mimicry" on **May 18, 2020** organized Mechanical Engineering Department, K.K.Wagh Institute of Engineering Education and Research, Nashik-03.
- Delivered an Expert Talk on "Natures Mimicry: An Idea Generation Technique" on **May 19, 2020** organized by ISHRAE Nashik.

Rewards and Achievement:

- Tantra Shikshan Vidyarthi Parishad has acknowledged the guidance given to the project on "Modified Brake Operating System" during Dipex-1999.
- Elected as Joint Secretary, SAE, India, Nashik Division.
- Bosch India Ltd, Nashik has acknowledged the guidance given to the project on "BRAMHASHRA-II All-terrain Vehicle" during Karmveer Expo-2009.
- Faculty Advisor and guide for Green vehicle Award Winning team "BRAMHASHRA-II", All terrain Vehicle, participated in J.K Tyre BAJA-SAE India-2009 Competition held during Jan 28- Feb1, 2009. at Pithampur, Indore (M.P).

- Faculty Advisor and guide for “BRAMHASHRA-III”, virtual BAJA Team, participated in J.K Tyre BAJA-SAE India-2009 Competition held during Oct 12- 13, 2009. at Netaji Subhaschandra Bose Institute of Technology,N.Delhi.
- Faculty Advisor, TEAM –BRAHMASTRA-2016-17, Ranked 30th position [out of 180 teams] in Mahindra BAJA SAE India (Main)-2017 Competition held at NATRiP, Pithampur [M.P] during 16-19 February, 2017.
- Mentor, TEAM –BRAHMASTRA-2017-18, Ranked 3rd and 8th position [out of 353 teams] in Maharashtra state and India level respectively in Virtual BAJA SAE India -2017 Competition held at Chitkara University, Chandigarh during July14-15, 2017.
- Mentor, TEAM –BRAHMASTRA RACING-2017-18, 1st in Armegaddon, 3rd in Drag race and 3rd overall along with trophies and cash prize of Rs.60000 in Mega ATV Championship organized by Autosports Club during Feb, 2018 held at Nashik.
- Received BMW Engine and Transmission system under Skill Next-Aug.2018.

Academics and Administrative Responsibilities

- Courses taught: Design of Machine Elements-I, Design of Machine Elements-II, Mechanical System Design and Tribology
- In-house project guidance to final year students in the field of Design Engineering
- College Development Cell Member (Aug.2017- July.2020)
- Working as CEO since Nov. 2019
- Department Administrative coordinator since Oct. 2019
- Department NBA coordinator

Memberships of Scientific and professional Societies

- Life Member of Indian Society of Technical Education (**ISTE**)
- Member of Indian Society of Mechanical Engineers(**ISME**)
- Member of Society of automotive Engineers (**SAE**)
- Member of Institution of Engineering and Technology (**IET**),U.K

Reviewer of International Journals

- Tribology International

- Journal of Engineering Tribology (IMechE, Part J)
- Journal of Institution of Engineers (India):Series C
- International Journal of Vibration and Control, Sage Publication

Research Grant and Project work/Patents:

- BCUD Research Grant of Rs.2,60,000.00 sanctioned for the project titled “Experimental investigation of a novel configuration of a two lobe journal bearing”, Year 2016-2018.[Proposal No: 15ENG002538]
- **Patent filed** on Multi Lug Nut remover System:TEMP/E-1/17891/2018-MUM dated May 5,2018 and published on May 18,2018

Online Content Development:

- **YouTube Channel for Mechanical Engineering Design Course**
<https://www.youtube.com/channel/UCxFNTR5pgadSHIENFEPfGfQ>
- **Udemy courses developed:**
 - 1] **Selection of Belts from Manufactures Catalogue:**
<https://www.udemy.com/course/selection-of-belts-from-manufactures-catalogue>
 - 2] **All about Rolling Contact Bearings and its Selection**
[https://www.udemy.com/course/ Learn All About Rolling Contact Bearings and its Selection](https://www.udemy.com/course/Learn-All-About-Rolling-Contact-Bearings-and-its-Selection)

Session Chairs at Conferences

- Session chair for MechPG CON-2017 (Design group) organized by SPPU Pune during 20-21 June, 2017 at Zeal College of Engg. & Research, Narhe, Pune
- Session chair for International Conference on Tribology (TRIBOINDIA-2018) organized by TSI,India during December 13-15, 2018 at VJTI,Mumbai
- Session chair for MechPG CON-2019 organized by SPPU Pune during June 21-22, 2019 at Amrutvahini College of Engineering, Sangamner (Maharashtra).