
Dr. Kalpesh Sunil Kamble
Ph.D., P.Eng., M.Tech, B.E. (Mechanical)

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Professional Summary:

Enrolled as

1. Ph.D. in Mechanical Engineering, Kalinga University, Naya Raipur, Chhattisgarh.
2. P. Engineering at SPE India, certified Sr. Member.
3. M.Tech in Production Engineering at R.I.T. Sakhrule, College of Engineering.
4. B.E. in Mechanical Engineering at P.V.P.I.T. Budhgaon, College of Engineering.

Career Objective:

To contribute meaningfully in the field of Mechanical Engineering as a dedicated professor at a reputed engineering institute, by integrating academic excellence, advanced research, and practical industrial insights. With a strong foundation in Mechanical and Production Engineering, coupled with professional engineering credentials and a doctoral degree, I aim to inspire and mentor students, lead impactful research, and collaborate in academic and industry partnerships that drive innovation and technological advancement.

Professional Experience:

1. Industrial Training at MAHABAL METALS Pvt. Ltd – It is well known manufacturing industry in Miraj M.I.D.C. - 8 month as trainee engineer
2. Industrial Training at TULASI FOUNDRIES Pvt. Ltd – It is well known casting industry in Miraj M.I.D.C. - 6 month as trainee engineer
3. Industrial Experience at Samruddhi Plastics Pvt. Ltd – It is well known Plastic manufacturing industry in Miraj M.I.D.C. – 8 month as trainee engineer
4. Industrial Experience at Shree Renuka sugars Pvt. Ltd – It is one of largest sugar producers and refiners in the world. Satara– 1 Year as process engineer
5. Teaching Experience As Assistant Professor at P.V.P.I.T. Budhgaon – 2 year For F.E.,S.E.,T.E. Mechanical (Degree Wing)
6. Teaching Experience As Assistant Professor in S.B.G.I. Miraj – 2 year For F.E.,S.E.,T.E. Mechanical (Degree Wing)
7. Currently Working: As Assistant Professor in SSPM's COE, Kankavli – 6 year For F.E.,S.E.,T.E. Mechanical (Degree Wing)

Educational Qualification:					
Degree	College/School	University/Board	Year	Class	Percentage
Ph.D. (Mechanical Engg.)	Kalinga University, Naya Raipur	Kalinga University, Chhattisgarh	2025	-	-
M.Tech. (production Engg.)	R.I.T. Sakharale	Autonomous institute affiliated under Shivaji Uni.	2012-14	Distinction	CPI 8.00
B.E. (Mech.)	P.V.P.I.T. Budhgaon	Shivaji university, Kolhapur	2010-11	First	65.24 %
T.E. (Mech.)	P.V.P.I.T. Budhgaon	Shivaji university, Kolhapur	2010	Second	55.46 %
S.E. (Mech.)	P.V.P.I.T. Budhgaon	Shivaji university, Kolhapur	2009	Second	56.23 %
F.E. (Mech.)	P.V.P.I.T. Budhgaon	Shivaji university, Kolhapur	2008	Second	55.48 %
H.S.C. (Sci.)	K.W.C. ,Sangli	Shivaji university, Kolhapur	2007	First	74.67 %
S.S.C.	New high school YashwantNagar, Sangli	Shivaji university, Kolhapur	2005	First	79.60 %

Computer Skills:	
Languages:	C, C++
Operating Systems:	Win98, Win2000, WindowsXP
Software Handled :	Auto-cad, Solid works Editing, Witness Software, Work-space Software, Minitab Vol.16.,MATLAB, NX-4, Autodesk Inventor Pro-2019

Academic Projects:	
Ph.D. Mechanical Engg.	The impact of liberalization on Indian automobile industry's structure and productivity.
M. Tech. Production Engg.	Investigation and analysis of active factors to address the excess defect in plastic Injection molding process. Sponsored by Samruddhi Plastics.
B.E. Mechanical Engg.	Energy generation by suspension cushioning in automobile.

Seminars as a student:	
B.E. Mechanical	1. Advanced Automobile safety systems.
	2. Advanced casting Processes
	3. Hybrid Vehicles
	4. Advanced energy sources
M. Tech. Production	1. Friction Stirr Welding
	2. Plastic Injection Molding process
	3. Plastic Injection molding defects and their remedies
	4. Advanced machining processes.

Patents Granted:	
Innovation patent granted by Australian Govt.	"Development of Megawatt Wind Turbine for Optimal management of Smart Agricultural Farms." - Granted by Australian Govt.
Innovation patent granted by Indian Govt.	"Detection of Breast Cancer in Digital Mammograms Using Deep Learning Algorithm." - Granted by Indian Govt.
Innovation patent granted by Indian Govt.	"Design and implementation of portable solar powered desalinator based on Antiscalant and reverse osmosis process." - Granted by Indian Govt.
Innovation patent granted by Indian Govt.	Design Patent of "Retractable vertical axis wind turbine." - Granted by Indian Govt.
Innovation patent Filed under Indian Gov.	"Design and development of barrel cam mechanism for slotting operation on center lathe machine." - filed at Indian Govt.
Innovation patent granted by Indian Govt.	"Portable container with warm-chiller using peltier effect." - Granted by Indian Govt.
Innovation patent granted under U.K. Govt.	"Advanced design of dustbin for waste separation" - Granted at U.K. Gov.
Innovation patent Filed under Indian Govt.	"Automatic wall mounted smart shelter car cover" - filed at Indian Govt.
Innovation patent Filed under Indian Govt.	"Agricultural device for weeding" - filed at Indian Govt.

Peer Reviewer/Editorial board member:	
1	International Journal of emerging technology and innovative research (JETIR)
2	International Journal of creative research thoughts (IJCRT)
3	International Journal of novel research and development (IJNRD)
4	International Journal of innovation in engineering and technology (IRJIET)
5	International Journal of Scientific Research in Science, Engineering and Technology (IJSRSET)
6	TIJER - International Research Journal (TIJER)
7	International Journal of Engineering (IJE)
8	International Journal of Current Science (IJCSPUB)
9	F1000Research's peer review
10	International Journal of Scientific Research and Engineering Development (IJSRED)
11	Journal of International Students (JIS)
12	International Journal of Innovative Research in Technology (IJIRT)
13	Institute for Educational Research and Publication (IFERP)
14	International Journal of Current Science (IJCS)
15	International Journal of Computer Science and Engineering Research and Development (IJCSERD)
16	International Journal of Science and Research (IJSR)
17	Global Journal of Engineering and Technology Advances (GJETA)
18	International Research Publication House (IRP House)
19	International Journal of Mechanical and Thermal Engineering (IJMTE)
20	International Journal of Research in Aeronautical and Mechanical Engineering (IJRAME)
21	International Journal of Innovative Research in Technology (IJIRT)
22	International Journal of Engineering Research and Science (IJOER)

Book Published:

Amazon Asia-Pacific Holding Pvt. Ltd.	"A Textbook of Rapid prototyping techniques." Publisher- Amazon Asia Pacific Holdings Pvt. Ltd. ASIN : B0C85XTQQV
Amazon Asia-Pacific Holding Pvt. Ltd.	"Mastering Computer Aided Design. (Edition: 1)" Publisher- Amazon Asia Pacific holding Pvt. Ltd. ASIN : B0DRZZRHT7

Papers published:	
Papers published:	1. "Investigation and analysis of active factors to address the excess defect in plastic Injection molding process."- IJMAPE, Vol-02, Issue-07, July 2014.
	2. "Identifying Flash defect in plastic injection molding process and analyses the remedies to reduce defect." -At International journals. (Still running)
	3. "A Review of Solar Energy Trends and its Enabling Technologies" A National Conference in 'Recent Trends in Energy Engineering' on organized by Department of Mechanical Engineering P.V.P.I.T. Budhgaon Sponsored by Maharashtra Energy Development Agency (MEDA), Pune
	4. Faculty Development Program on Delcam, Power Plant Simulation, Hydraulics, Pneumatics and Mechatronics, Robotics, CIM and FMS organized by Department of Mechanical Engineering P.V.P.I.T. Budhgaon Sponsored by Indiasofts Technologies
	5. "Experimental Investigation Of Dimpled Plate By Natural Convection Heat Transfer" International Research Journal of Engineering and Technology IRJET, Volume 03, Jan 2016
	6. "Basic Classification of HVAC Systems for Selection Guide" – IJRSET. Vol- 03, Issue-09, July 2015.
	7. "Experimental investigation of an inline dimpled plate by natural convection heat transfer – A review."IJSTE. Vol-05,Issue-01,March 2016
	8. "Experimental comparison of natural convection heat transfer from various dimpled plates" IJSTE. Vol – 07, Issue-09, March 2017.
	9. "Experimental comparison of natural convection heat transfer in horizontal fins and V- fins on blackened vertical plate – A Review". IJSTE.Vol – 03, Issue-09, January 2018.
	10. "Analysis and optimization of two wheeler chassis for weight reduction A review" – IJRSET.Vol-07, Issue-09-Sept.2020
	11. "Analysis and optimization of two wheeler chassis for weight reduction." – IJRSET.Vol-09, Issue-09-Sept.2020
	12. "Electricity generation by suspension cushioning" – IRJET.Vol-07, Issue-09, Sept 2020.
	13. "Review on design and fabrication of foldable carriage bicycle." – IRJET. Vol-08, Issue-03, March 2021.
	14. "Review on fabrication of abrasive jet machine to study effect of SiC abrasive particles on various materials" – IRJET. Vol – 08, Issue-05, May 2021.

	15. "Fabrication of Abrasive Jet Machine to Study Effect of SIC Abrasive Particles on Various Materials" –IJIRSET. Vol – 11, Issue – 04, April 2022.
	16. "Review paper on solar seawater desalination by using reverse osmosis."- IJSRET. Vol-08, Issue- 05, Oct 2021.
	17. "Design and implementation of portable solar powered desalinator based on antiscalant and reverse osmosis." – IJSRAM. Vol- 06, Issue-03, March 2022.
	18. "A Review paper on - electric discharge machining" – IJSRET. Vol- 08, Issue – 01, Feb 2022.
	19. "Research paper on electric discharge machining" – IJEAST. Vol- 06, Issue – 11, March 2022.
	20. "A review paper- Design and fabrication of portable warm-chiller using peltier effect" – IARJSET. Vol- 10, Issue-04, April 2023
	21. "A review on fast charging methodologies of electric vehicles" – JETIR. Vol.-11, Issue- 4,April 2024.
	22. "Developing and practicing of quasi-z-source Electric vehicle battery charger." - ALOCHANA, Vol.- 13, Issue-04, Page No.434-436, April 2024.
	23. "A review on fast charging methodologies of electric vehicles" – Vol. 05, Iss. 01, S. No. 105, pp. 1-6 ISSN (Online): 2582-7006
	24. "Impact on Competitiveness in Indian Automobile Sector During Post Liberalization Phase" - Journal of Advances in Science and Technology, Vol. 20, Issue No. 1, March-2023, ISSN 2230-9659
	25. "A study on evolution and structure of Indian automobile industry" – Shodhkosh, June 2024 5(6), 1668–1674, ISSN (Online): 2582-7472

Other activities:	
Project Guided (B.E.)	1. Pneumatic system used in 3 Way Dumping Trailer.
	2. Automated Box transfer and stamping Mechanism.
	3. Regenerative braking system.
	4. Hydraulic valve testing machine.
	5. Design and fabrication of auto indexing drilling mechanism.
	6. Design and fabrication of arecanut tree climber.
	7. PICO hydropower generation mechanism.
	8. Development of multipurpose robust crop cutting machine for agriculture.
	9. Analysis and optimization of two wheeler chassis for weight reduction.

	10. Electricity generation by suspension cushioning.
	11. Design and fabrication of foldable carriage bicycle.
	12. Fabrication of abrasive jet machine to study effect of SiC abrasive particles on various material.
	13. Solar seawater desalination by using reverse osmosis.
	14. Portable Electric Discharge Machine (EDM).
	15. Design and fabrication of portable warm-chiller using Peltier effect
	16. Quasi Z- Source Based Full Bridge Phase Shift Electric Vehicle Battery Charger
Mini Project Guided	1. Automated Mechanical arm painting.
	2. Gearless transmission system.
	3. Box transfer mechanism.
	4. Inclined multipurpose machining JIG Prototype.
	5. Geneva Mechanism.
	6. Automatic Bike Side stand Remover prototype.
	7. Ultrasonic distance meter.
	8. Magnetic braking system.
	9. Prototype of spring testing machine.
	10. Solar vehicle tracer.
	11. Six in one spanner.
	12. Forward Extrusion process.
	13. Multi Spindle nut runner.
	14. Smart robot car.
	15. Pedal operated fork lift.
	16. Chainless Bicycle.
	17. Vertical axis wind turbine - prototype
	18. Automatic room light controller by light dependent resister LDR
	19. Magnetic conveyor belt to automatic detect metal scrap-prototype
	20. Portable Soil moisture testing machine
	21. Portable USB charging device on solar energy
	22. Free energy generation for cellphone charging.
	23. Saline water lamp
Worked as Judge:	1. INNOVATE-16, I-C Stroke
	2. MESA-2016
	3. BrainStorm-2017
	4. Uttung-2021
	5. Cultural Fest 2019 under MU.
	6. Cultural Fest 2020 under MU.
	7. AVISHKAR research convention - 2021 under MU.
	8. UTTUNG 2021,Cultutal Event at SSPM's COE
	9. UTTUNG 2021,Cultutal Event at SSPM's COE
	10. Science fair 2022 at PODAR International school, Kanakvli
	11. UTTUNG 2022,Cultutal Event at SSPM's COE

	12. Kalavishkar competition 2023
	13. Urge project exhibition 2023
Seminar/ Conferences Attended :	1. Faculty development program on "vibration measurement and analysis." By PVPIT, Budhgaon. AICTE Approved
	2. Faculty development program on Delcam, power plant simulation, hydraulics, pneumatics, robotics, CIM and FMS
	3. Faculty development program on "Optimization of mechanical system by using MATLAB." By PVPIT, Budhgaon.
	4. Short term training program on "Recent trends in manufacturing processes." At SETI, Panhala. -ISTE approved
	5. Faculty development program on "Scope of metallurgical processes and Material testing of advanced materials." by PVPIT-AICTE Approved
	6. One week STTP on "Academic innovations in industry 4.0." by VIT,Pune - AICTE sponsored.
	7. Online quiz "Shilpashastra" by PVPIT, Budhgaon.
	8. Webinar on "Cycles- Proven way for innovation and entrepreneurship" by AISSMS COE, Pune. sponsored by Ministry of HRD initiative.
	9. Webinar on "Material advantage chapter" by PVPIT COE, Budhgaon.
	10. One week FDP on "Research methods in science, Education and Technology (RMSET)." By VOG COE , Thane.
	11. National webinar on "Supply chain management: Importance and functions." By Sanathana research and training institute, Mysore West.
	12. One week STTP on "Advances in mechanical engineering for sustainability." By Engineering college of Bikaner.
	13. One week FDP on "Advanced research methodology." By Nanasaheb Mahadik COE, Peth. Sponsored by ISTE, Delhi.
	14. Attended 14 th International scientific and practical internet conference on current challenges and topical issues in science , education and production: cross sectoral debate." Organized by Ukrain, Kyiv. Under open science laboratory, 26 March 2021.
	15. A seminar on "Accelerators/Incubation-Opportunities for the students and faculties-Early Stages Entrepreneurs" by Bhivarabai Sawant institute of technology and, wagholi pune-412207 on 27 May 2021.
	16. A seminar on "Cycles - Proven way for Innovation & Entrepreneurship" by AISSMS COE, Pune. 1 July 2021.
	17. One Day online workshop on "Fundamentals of conventional machining." By CSIR-CSIO, Chandigarh. Sponsored by Ministry of HRD initiative.
	18. One week FDP on "Advances in manufacturing and materials." By D.Y.Patil COE, Kasba Bawda, Kolhapur. Sponsored by ISTE, Delhi.

	19. One week FDP on "Outcome based pedagogy for effective teaching and learning in engineering education." By SKN Sinhgad College Of Engineering, Pune. Sponsored by AISSMS, Pune.
	20. Webinar on "Accelerators/Incubation: Opportunities for students and faculties for- Early Stages entrepreneurs." By BSIOTR, Wagholi Pune. Sponsored by ISF and CIIED-CELL.
	21. National webinar on "CPM and PERT techniques for product launch." By Sanathana research and training institute, Mysore West.
	22. Five days FDP on "Recent advances in health 5.0 In-line with NEP 2020." By Arvind Gawali COE, Satara. Sponsored by TEQIP 3.
	23. One week STTP on "Advanced Material Technologies." Budhgaon.- AICTE Approved
	24. Organized webinar on "How to be placeable in design engineering and manufacturing domain." By SSPM's COE, Kankavli. Sponsored by ENVISION CTI, Pune.
	25. Organized webinar on "Non- Destructive Methods of testing." By SSPM's COE, Kankavli. Sponsored by RADIANT Quality Services, Pune.
	26. Organized webinar on "Career opportunities in design sector after engineering graduation." By SSPM's COE, Kankavli. Sponsored by CAD/CAM Guru Institute, Pune.
	27. Organized webinar on "Future Career oppo." By SSPM's COE, Kankavli. Sponsored by ETI, Pune.
	28. Organized 13 days training program on "Lifeskills training program." By SSPM's COE, Kankavli. Sponsored by BRCLAYS and RUBICON foundation.
	29. Five days International FDP on "Emerging trends in Nano Technology (ETNT-2021)." Organized by VIT, Bhimavaram. In association with PRL, Ahmedabad, Gujarat.
	30. A National seven days Workshop on "Digital transformation and Pedagogies." Organized by GCE, Karad. Sponsored by AICTE and TEQUIP III. Aug 10-14-2021
	31. Six days FDP on "Research at a glance: Current protocols." Organized by Sinhgad Institute, Pune. 18 to 23 Jan,2021.
	32. One Week online FDP on "Enhancing research and consultancy skills." Organized by RIT, Sarkhrale. 20 to 26 June, 2020.
	33. One week national webinar on "AUTOCAD 2D :Basics." Organized by KIT,Kolhapur.12 to 16 June, 2020.
	34. One week orientation program on "Innovative teaching learning practices and research." Organized by KBP, Satara approved by AICTE- ISTE. 25 to 29 May, 2021
	35. Maharashtra Start-Up Yatra 2022, Organised by MSInS, 13 to 14 Oct, 2022.
	36. A National Webinar on "Lean concepts in TPM" organized by sanathana research and training institute, Mysore-west.
	37. "National intellectual property right" organized by Intellectual property right office govt. of India.

	38. One week national online workshop on "Patent SEA : 2024" organized by Innovative Technology Enabling Center - InTEC, CSIR-Institute of Minerals and Material Technology (IMMT), Bhubaneswar.
	39. Attended online "International conference on futuristic trends in science, engineering and management (ICFTSEM 2024)" and presented paper entitled "Rapid prototyping technology- A new era of modern manufacturing technologies " on 23 Feb 2024.
	40. One week national online workshop on "IP DOST : 2024" organized by Innovative Technology Enabling Center - InTEC, CSIR-Institute of Minerals and Material Technology (IMMT), Bhubaneswar.
	41. One week FDP on "Industry 5.0: A paradigm shift toward circular economy" ISTE approved, organized by Nana Mahadik college of engineering, Peth, Sangli.
	42. One day workshop on "How to publish research paper?" organized by NDLI club, SSPM's COE kankavli.
	43. One week national FDP on "Additive manufacturing technology" organized by Sandip University, Nashik.
	44. one day workshop on "Copyright Filing for Research Work" in online mode organized by Computer Science and Engineering department, D. Y. Patil College of Engineering and Technology, Kolhapur, Maharashtra.
	45. One week STTP on "Emerging trends in Mechanical Engineering" Approved by ISTE, Organized by SSPM's COE, Kankavli.
Subjects Taught:	46. Short term training program on "Emerging trends in block chain technology" ISTE approved FDP organized by PICT, Pune.
	1. Material Science and Metallurgy
	2. Production Engineering
	3. Industrial Engineering and Management
	4. Manufacturing Processes
	5. Advanced Foundry Technologies and Machining Processes
	6. Production Processes
	7. Design of Jigs and Fixtures
	8. CAD/CAM/CAE
	9. Machine Tool Design
	10. Logistics and Supply Chain Management
	11. Industrial Automation and Robotics
	12. Tool Engineering
	13. Engineering Mechanics
	14. Engineering graphics
	15. Rapid Prototyping Techniques
	16. CNC and 3D printing
	17. Digital Manufacturing
	18. CAD/CAM
Extra Activities and Roles:	1. Worked as Sr. External Supervisor and Exam controller, Shivaji University, Kolhapur.
	2. NAAC Coordinator at SBGI, Miraj which got Rank- A in year 2017-18

	3. Internal Quality Assurance Cell (IQAC) Coordinator at SBGI, Miraj
	4. Industrial training coordinator for B.E. Mechanical Students, SBGI, Miraj
	5. Admission Coordinator at SBGI, Miraj in Year 2017-18
	6. Mentor in year 2017-18 at SBGI, Miraj
	7. Central Assessment programme (CAP) Coordinator at PVPIT, Budhgaon
	8. Departmental TPO – Mechanical Engineering , SSPM’s COE, Kankavli
	9. Departmental Event Co-ordinator – Mechanical Engineering , SSPM’s COE, Kankavli
	10. Cultural Head - SSPM’s COE, Kankavli
	11. R and D Head – SSPM’s COE, Kankavli
	12. Institutes Innovation Cell IIC President- SSPM’s COE, Kankavli
	13. Incubation cell member – “ Konkan Bhumi TBI foundation, Kankavli”
	14. Event coordinator – SSPM’s COE

Member of professional Bodies:	
Memberships:	1. International Association of Engineers (IAENG)
	2. Society Of Mechanical and Automotive Engineers (SMAE)
	3. National Society of Professional Engineers (NSPE)
	4. Institute For Educational Research and Publication (IFERP)
	5. The Institution of Engineering and Technology, United Kingdom

Personal Information:	
Name:	Prof. Dr. Kalpesh Sunil Kamble
Email Id:	Kalpesh2989@gmail.com , kalpeshkamble2989@gmail.com
D.O.B:	11 th June, 1990
Marital Status:	Single
Gender:	Male
Address:	“Ushakal”, ayodhyaNagar, satalemala, sangli -416416.
Phone No:	-
Mobile No:	+91 9766193822
Nationality:	Indian
Languages:	English, Hindi, Marathi.
Websites/Portfolios/Profiles:	<ul style="list-style-type: none"> • https://orcid.org/0009-0005-6158-4331 • https://www.linkedin.com/in/kalpesh-kamble-5020b3112/ • https://scholar.google.co.in/citations?user=IbwM_yqAAAAJ&hl=en

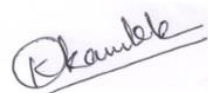
Sports and Hobbies:	
Sports:	Weight-lifting

	Swimming
	Roller skating
	Paragliding
	Go-carting
	Scuba Diving
Hobbies:	Guitar play
	Reading books
	Travelling

Declaration:

I, hereby declare that the information given above is true, correct and complete in all respects, according to best of my knowledge and belief.

Yours Faithfully,



Prof. Dr. Kalpesh S. Kamble

B.E. (Mech.), M. Tech (Prod.), P. Engg., Ph.D. Mech

REFERENCES:

1. Dr. Amod P. Shrotri : 9145256778
2. Dr. Satish S. Kulkarni : 9423829420
3. Dr. Sajid M. Mulla: 8087831306