

Dr. Bahubali Babanrao Sangame

Ph.D. Mechanical

Assistant Professor

Department of Mechanical Engineering

Sharad Institute of Technology College of Engineering,

Yadrav (Ichalkaranji), Kolhapur.

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Experience: Teaching-16 years

Industry: Nil

Area of Interest: Material Science, Metal casting, Manufacturing



1. Education

-  **Ph.D. in Mechanical Engineering** **2025**
Savitribai Phule Pune University
-  **M. E. in Product Design and development (Mechanical) Engineering** **2013**
D.K.T.E.S Textile and Engineering Institute Ichalkaranji, (Shivaji University, Kolhapur).
Percentage: 68.21%
-  **B. E. in Mechanical Engineering** **2009**
Annasaheb Dange College of Engineering and Technology (ADCET) Ashta, (Shivaji University, Kolhapur).
Percentage: 66.24%

2. Awards and Ph. D Supervisor Recognition:

- **Best Teacher Award** (Mechanical Department) (Academic Year: 2018-19)
- **Best Dean Award** 13th International Advanced Computing Conference (IACC-2023)
- **Recognized Ph.D. Supervisor, SR University Warangal Telangana.**

3. Professional Experience:

Organization	Designation	From	To	Total
Sharad Institute of Technology College of Engineering, Yadrav.	I/C Principal	June 2025	Till date	--
Sharad Institute of Technology College of Engineering, Yadrav.	Dean Administration	July 2023	Till date	2

Sharad Institute of Technology College of Engineering, Yadrav.	Assistant Professor	2 nd June 2014	Till date	11
Sharad Institute of Technology Polytechnic, Yadrav.	Lecturer	15 th June 2010	31 st May 2014	04
Dr. J.J. Magdum Polytechnic, Jaysingpur	Lecturer	August 2009	May 2010	01

Ph.D. Details-

THESIS TITLED: EXPERIMENTAL INVESTIGATION ON THE EFFECT OF PROCESS PARAMETERS FOR SOLIDIFICATION CHARACTERIZATION OF VARIABLE THICKNESS DUCTILE CAST IRON

Research Supervisor- Dr. Y. P. Reddy

Designation- Vice Principal Sinhgad College of Engineering Vadgaon Pune

[Email-ypreddy.scoe@sinhgad.edu](mailto:ypreddy.scoe@sinhgad.edu) Contact-9881274525

4. Subject Teaching at UG and PG level:

1) **Subjects Taught** (Diploma) – Design of Machine Elements, Mechanical Engineering Drawing, Automobile engineering and Engineering graphics.

2) **Subjects Taught** (UG) – Material science and metallurgy, Machine drawing and CAD, Theory of Machines-I, Engineering graphics, Machine Design–I, Workshop Practice

5. Professional membership-

- Life Member of Indian Society for Technical Education (LMISTE) – LM94953
- Member of The Institution of Engineers (India)- M-1820575

6. Projects guided UG and PG level:

1. Diploma projects- 05
2. UG projects-14

7. Consultancy Project

Sr. No.	Title of Project	Funding Agency	Amount (Rs.)	Status
1	Air assists universal inspection fixture for CNC CMM	General Machine Tools, Parvati Industrial Estate, Yadrav	55,000	Completed

8. Research Publications:

- [1] B. B. Sangame, Y. P. Reddy, and Abhijeet Chavan “Effect of inoculation technique and treatment temperature on the shrinkage propensity of ductile iron castings ,” Multidiscipline Modeling in Materials and Structures, 2026 Publisher- Emerald publication <https://doi.org/10.1108/MMMS-08-2025-0306> (Indexed in - SCOPUS, Web of Science, SCIE-Science Citation Index Expanded)
- [2] B. B. Sangame and Y. P. Reddy, “Investigation on effect of different types of inoculants on the solidification of ductile cast iron using thermal analysis,” Multidiscipline Modeling in Materials and Structures, 2024 . Publisher- Emerald publication <https://doi.org/10.1108/MMMS-03-2024-0084> (Indexed in - SCOPUS, Web of Science, SCIE-Science Citation Index Expanded)
- [3] B. B. Sangame and Y. P. Reddy, “Investigation on effect of carbon equivalent and inoculation on the solidification and shrinkage tendency of ductile cast iron using thermal analysis,” Multidiscip. Model. Mater. Struct., 2023. Publisher- Emerald publication <https://doi.org/10.1108/MMMS-04-2023-0143> (Indexed in - SCOPUS, Web of Science, SCIE- Science Citation Index Expanded)
- [4] B. B. Sangame, Y. P. Reddy, and V. D. Shinde, “Analyzing the effect of inoculant addition on the solidification of ductile cast irons using thermal analysis,” *World J. Eng.*, no. October, 2022, doi: 10.1108/WJE-07-2022-0272. Publisher- Emerald publication <https://doi.org/10.1108/WJE-07-2022-0272> (Indexed in - SCOPUS, Web of Science, ESCI-Emerging Source Citation Index)
- [5] Mr. Bahubali B. Sangame, Mr. V. D. Shinde “The Effect of Inoculation on Microstructure and Mechanical Properties of Ductile Iron,” *IOSR J. Mech. Civ. Eng.*, vol. 5, no. 6, pp. 17–23, 2013, doi: 10.9790/1684-0561723.

9. International/ National conferences attended:

- [1] B. B. Sangame, Y. P. Reddy, Effect of Section Thickness on Solidification and Microstructure of Ductile Cast Iron, *Proceedings of Techno-Societal 2022, International Conference on Advanced Technologies for Societal Applications*, SVERI, Pandharpur. https://doi.org/10.1007/978-3-031-34644-6_86
- [2] B. B. Sangame, Y. P. Reddy, and V. D. Shinde , Application of Thermal Analysis to Study the Effect of Inoculation on the Solidification of Ductile Cast Iron, *Recent Trends in Mechanical Engineering: Select Proceedings of PRIME 2021*, NIT Patana https://doi.org/10.1007/978-981-19-7709-1_73
- [3] B. B. Sangame , Thermal Analysis of Ca-FeSi inoculated Ductile Iron *International Conference on Recent Challenges in Engineering and Technology 2017*, SITCOE, Yadrav Ichalkaranji

10. Published Patent

Bahubali Sangame, Pratapsinh Chougule, Vishal Patil, Adik Takale, Shital Udgave, Viddya Patil, Hydraulic flood protection system at global industry, Indian Patent, Application number: 202321034729, 16.06.2023.

National Programme on Technology Enhanced Learning (Swayam NPTEL) Courses

Sr. No.	Course Name	Duration	Year	% of Marks	Class
1	Ethics in engineering practice	8 weeks	2025	60	Elite
2	Technical communication for engineers	4 weeks	2025	72	Elite
3	Effective engineering teaching in practice	4 Weeks	2025	81	Elite
4	Teaching And Learning in Engineering	4 Weeks	2025	85	Elite
5	Principles of Casting Technology	8 Weeks	2023	77	Elite
6	Patent Law for Engineers and Scientists	8 Weeks	2022	61	--
7	Accreditation and Outcome based learning	8 Weeks	2021	65	Elite
8	Academic Writing	12 Weeks	2021	80	--

12. No. of Summer/ winter FDP/ STTP/ NPTEL courses completed:

Sr.	Particulars	Dates	Place
1	Atal FDP on The Future of Pedagogy: ChatGPT and AI Tools as Teaching Assistants	05 th January 2026 to 10 th January 2026	Online mode AVS ENGINEERING COLLEGE
2	Atal FDP on ADVANCED ANALYTICS FOR NEXT-GENERATION INDUSTRIAL PROCESSES	23 rd December 2024 to 28 th December 2024	Online mode Atal Bihari Vajpayee Indian Institute of Information Technology and Management Gwalior
3	FDP on Additive Manufacturing – Knowledge and Skill Development towards Industry 4.0	10 th to 14 th June 2023	National Institute of Technology, Rourkela
4	Simulation Tools for Casting and Machining	18 th -22 nd July, 2022	Sharad Institute of Technology, College of Engineering, Yadrav.
5	FDP on Simulation Tools for Research	08 th -14 th Feb., 2022	Sharad Institute of Technology, College of Engineering, Yadrav.
6	STTP on Simulation Software Tools for Researchers	02 nd Aug 2021 to	Online mode STES's

	with Impactful Writing Research Publications	13 th Aug 2021	Sinhgad College of Engineering, Pune, Maharashtra.
7	Atal FDP on "Novel Materials for Next-Generation Applications"	12 th July 2021 to 16 th July 2021	Online mode M S RAMAIAH INSTITUTE OF TECHNOLOGY.
8	FDP on "Strategies for sustaining Quality Culture in Autonomous Colleges"	21 st June to 25 th June, 2021.	Online mode K.J Somaiya Institute of Engineering and Information Technology, Sion 7 and RUSA,
9	Atal FDP on "3D Printing & Design	8 th February 2021 to 12 th February 2021	Online Mode
10	Atal FDP on "Mechanical and Manufacturing Engineering"	21 st December 2020 to 25 th December 2020	Online Mode Vishwakarma Institute of Information Technology Pune
11	FDP on 'Nearly Zero Energy Building (nZEB)'	10 th to 14 th August 2020	Dr. BATU, Lonere & SITCOE, Yadrav
12	Faculty orientation programme on "Recent Advances in Modeling and Optimization Techniques"	1 st June to 5 th June 2020	Online mode
13	3-Day FDP on Advanced material characterization techniques.	28 th May to 30 th May 2020	Online mode
14	A national level Webinar on Energy and innovation.	27 th May 2020	Online mode
15	One week STTP on Optimization techniques and awareness on research.	30 December 2019 to 3 rd January 2020	AMGOI, Vathar
16	One week FDP on Future making things using Fusion 360	22 nd April 2017 to 26 th April 2017	S.I.T.C.O.E. Yadrav
17	One week STTP on "Outcome Based Education and Accreditation"	28 th October to 3 rd November 2017	S.I.T.C.O.E. Yadrav
18	One Day Seminar on Neural network, Fuzzy logic and Genetic Algorithm.	23 rd September 2017	AMGOI, Vathar
19	Two week FDP on "Foundation Program in ICT for education"	3 rd August to 7 th September 2017	S.I.T.C.O.E. Yadrav
20	One week FDP on "Technical Pedagogy"	7 th to 13 th December 2016	S.I.T.C.O.E. Yadrav

21	One week FDP on “Research Opportunities”	1 st to 6 th December 2016	S.I.T.C.O.E. Yadrav
22	Two week FDP on “Advances in CAD / CAM / CAE”	6 th June to 15 th June 2016	S.I.T.C.O.E. Yadrav
23	One week FDP on “Pedagogy to Synergogy ”	7 th May to 11 th May 2016	S.I.T.C.O.E. Yadrav
24	Two days workshop of “Train The Trainer” Program Under Distance ready Engineer Initiative of TATA Technologies.	4-5 th February 2016	S.I.T.C.O.E. Yadrav
25	Two week ISTE STTP on “Technical Communication”	08 th October to 05 th December 2015	S.I.T.C.O.E. Yadrav
26	Two weeks ISTE Workshop on “Advanced Techniques in Research Methodology”	15 th June 2015 -26 th June 2015	S.I.T.C.O.E. Yadrav
27	Two days workshop of “Recent trends in manufacturing”.	17 th and 18 th APRIL, 2015	Walchand college of Engg. Sangli
28	One day workshop of “E-Foundry Casting Design & Simulation”	7 th September 2013	D.K.T.E.S Ichalkaranji.
29	Two weeks ISTE Workshop on “Applied Thermodynamics ”	11 th -21 st December 2012	S.I.T.C.O.E. Yadrav
30	Two weeks ISTE Workshop on “Computational Fluid Dynamics”	12 th - 22nd June 2012	D.K.T.E.S Ichalkaranji.
31	Two days Workshop on “Research Methodology”	30 th & 31 st October 2010	D.K.T.E.S Ichalkaranji.

13. Additional Responsibilities held:

- 13.1 Internal Assessment and evaluation committee in charge.
- 13.2 Admission coordinator.
- 13.3 Facilitation center officer.
- 13.4 Criterion-III coordinator for NBA
- 13.5 Program Coordinator Mechanical Engineering Department (August 2021 to July 2022)
- 13.5 Member of the Institute Internal Quality Assurance Cell
- 13.6 Chairman Academic Council
- 13.7 Member of Academic council
- 13.8 Member of institute governing body

14. Software proficiency Auto-CAD, Solid works, Auto-CAST.

Declaration

I hereby declare that the particulars given above are true to the best of my knowledge and belief.



Date: 02.02.2026

Signature:
(Dr. Bahubali Babanrao Sangame)