

Faculty Profile

- **Faculty Profile Name:-** Prof. (Dr.) Shete Hanmant Virbhadra
- **Designation:-** Professor
- **Department:-** Mechanical Engineering
- **Mobile No. :-**+91 9823925440
- **Email Id:-** sheteaditya@yahoo.co.in; hvs@amgoi.edu.in
- **Educational Qualification:**

Sr. No.	Degree	University	% Marks	Class
1	Ph.D. Professor	Visvesvaraya Technological University, Belgaum	Awarded	Awarded
2	M.E. Design Engineering	Shivaji University, Kolhapur	66	1 st Class
3	B.E. Mechanical Engineering	Shivaji University, Kolhapur	60	1 st Class
4	HSC	Pune Board	86	Distinction
5	SSC	Pune Board	86	Distinction

- **Professional experience:-** Total experience in years: 22

Teaching: - 21

Industrial: - 01

Research: -

Sr. No.	Organization	Post	Period
1	Ashokrao Mane Group of Institutions, Vathar, Kolhapur, Maharashtra	Professor	1/04/2019 To Till date
2	Ashokrao Mane Group of Institutions, Vathar, Kolhapur, Maharashtra	Associate Professor	25/02/2011 To 31/03/2019
3	Ashokrao Mane Group of Institutions, Vathar, Kolhapur, Maharashtra	Assistant Professor	29/7/2010 To 24/2/2011
4	Tatyasaheb Kore Institute of Engg.& Technology, Warananagar, Kolhapur	Lecturer	19/9/1999 To 28/7/2010
5	Unique Tools & Press Components Pvt. Ltd. Pune	Quality Assurance Engineer	1/9/1998 To 30/6/1999

➤ **Subject Taught:-**

Sr. No.	Undergraduate	Sr. No.	Post Graduate
1	Machine Drawing	1	Solid Mechanics
2	Tool Engineering	2	Advances in Design Engineering
3	Fluid Mechanics	3	Advanced Methods in Design Engineering
4	Control Engineering	4	Research Methodology
5	Metallurgy		
6	Manufacturing Processes		
7	Industrial Engineering		

- **Project Work at Ph.D.:-**Effect and Comparative Evaluation of High Pressure-Through the Coolant Drilling and Conventional Flood Coolant Drilling of EN9 Steel

Research Area of Interest: - Machining, Mathematical Modeling and Optimization, Design of Mechanical Systems

Paper Published at International Journals:

1. H. V. Shete, M. S. Sohani, "Machining in high pressure coolant environment – a strategy to improve machining performance: a review", International Journal of Manufacturing Technology and Management (**Scopus Indexed**) - Inderscience Publication, Vol-33, Issue-6, 2019, pp 468-492.
DOI: [10.1504/IJMTM.2019.104551](https://doi.org/10.1504/IJMTM.2019.104551)
2. H. V. Shete, M. S. Sohani, "Effect of Process Parameters on Hole Diameter Accuracy in High Pressure Through Coolant Peck Drilling Using Taguchi Technique", International Journal of Material Forming and Machining Processes (**Scopus Indexed**) -IGI Publication, Vol-5, Issue-1, 2018, pp 12-31.
3. H. V. Shete, M. S. Sohani, "Effect of Process Parameters on Surface Roughness in HPC Drilling of AISI 1055 steel",Journal of Mechanical Engineering (JMEchE)Malaysia (In Press), (**Scopus Indexed**).Vol-17,Issue-1,2020,pp33-48.
4. H. V. Shete, M. S. Sohani, "Simultaneous optimization of output parameters in HPC drilling using multi response optimization technique with desirability function approach " (In Press), World Journal of Engineering, (**Scopus Indexed**), Emerald Publication

5. Miss. R. S. Mohite, Prof. H. V. Shete, Prof. R. A. Patil, "Determination of fatigue life of drum brake using experimental and finite element analysis", International Journal of Innovative Studies in Sciences and Engineering Technology, Vol-5, Issue-1, July 2019, pp 1-6.
6. Miss. R. S. Mohite, Prof. H. V. Shete, "Literature review on experimental and finite element analysis of the drum brake", International Research Journal of Engineering and Technology, Vol-5, Issue-11, July 2018, pp 788-791.
7. A. B. Kashmire, Prof. H. V. Shete, N. D. Jadhav, "A study of surface roughness in drilling of EN 9 steel using Taguchi approach", International Journal of Engineering and Advanced Technology, Blue Eyes Intelligence Engineering & Science Publication, Vol-6, Issue-6, August 2017.
8. Mr. R. A. Patil¹, Prof. V. D. Shinde, Prof. H. V. Shete, Prof. S. P. Nevagi, "Effect of high pressure coolant on surface finish in turning operation", International Journal of Innovative Research in Science, Engineering and Technology, Vol-2, Issue-7, July 2013.
9. Prof. H. V. Shete, Prof. R. A. Pasale, Prof. E. N. Eitawade, "Photo elastic stress analysis & finite element analysis of an internal combustion engine piston" International Journal of Scientific & Engineering Research, Vol-3, Issue-7, July 2012, pp 1-5.

Research Papers in the process of Publication: 04 Nos.

Paper Presented:

1. At National conference: 08 Nos.
2. At International conference: 04 Nos.

- **ME./M.Tech Projects Guided:-** 06 numbers
- **Expert Lectures Delivered as a Resource Person:-**

Sr. No.	Name of STTP/Workshop/Conference	Institute	Date
1	STTP on Optimization Techniques and Awareness on Research (AICTE AQIS Sponsored)	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur	31 Dec. 2019
2	STTP on Optimization Techniques and Awareness on Research (AICTE AQIS Sponsored)	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur	2 Jan. 2020

3	FDP on Soft Computing Techniques for Modelling & Optimization in Mechanical Engineering (S.U. Lead College Activity)	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur	13-15 March 2019
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➤ **STTP/FDP/Workshops/Attended/Participated:-**

Sr. No.	Name of STTP/Workshop/Conference	Institute	Date	Attended/ Participated
1	Micromachining Technologies for Future Products (AICTE & TEQIP-III Sponsored)	Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad	11-15 Jan. 2020	Attended
2	Modeling and Numerical Techniques (AICTE & TEQIP-III Sponsored)	Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad	9-13 Dec. 2019	Attended
3	FDP on Soft Computing Techniques for Modeling & Optimization in Mech. Engg. (S.U. Lead College Activity)	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur	13-15 March 2019	Attended & Participated
4	FDP on Technical computing using MATLAB (ISTE)	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur	18-22 June 2018	Attended
5	FDP on Renewable Energy Sources: Past, Present and Future (AICTE Sponsored)	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur	5-17 Feb. 2018	Attended
6	STTP on Recent Trends in Welding and Joining Technology (AICTE & TEQIP-III Sponsored)	Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad	26-30 Nov. 2018	Attended
7	Workshop on Research Methodology (ISTE)	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur	13-15 June 2017	Attended

8	Workshop on Research Methodology and Patent Filing(S.U. Lead College Activity)	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur	7 th Jan 2017	Attended
9	OpenFOAM Symposium 2016	FOSSEE & IIT, Bombay	27 th Feb. 2016	Attended
10	FDP on Altair-HyperWorks V13.0	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur & Teccam Infosolutions LTD, Pune	14-15 Dec. 2015	Attended
11	STTP on Advanced Trends in PLC-Automation (ISTE sponsored)	Sharad Innstitute of Technology,Ichalkaranji	30 Nov.-4 Dec. 2015	Attended
12	FDP on Accreditation by NBA-June 2015 Format (S.U. Lead College Activity)	Ashokrao Mane Group of Institutions,Vathar tarf Vadgaon,Kolhapur	8 th Nov. 2015	Attended
13	FDP on CAM (Delcam),Fluid Power(Automation Studio),CIM/FMS(OpenCIM &Witness),Robot Simulation	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur & IndiaSoft Technologies Pvt. Ltd., Pune	11 th Sept. 2015	Attended
14	Workshop on Teaching Methodology in Design related and Interdisciplinary Subjects of T.E. Mechanical Part I and II revised syllabus of Shivaji University	Dr. J. J. Magdum College of Engineering, Jaysingpur	14 th August 2015	Attended & Participated
15	Workshop on Teaching Methodology of T.E. Mechanical Engineering of Shivaji University	DKTE'S Textile & Engineering Institute, Ichalkaranji	31 st July 2015	Attended & Participated
16	Workshop on Overall Personality Development (Lead College Activity of Shivaji University)	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur	18 th Feb. 2018	Attended

17	Workshop on Research Tools & Technical Paper Writing by using LATEX (Lead College Activity S.U.)	Karmaveer Bhurao Patil College of Engineering, Satara	14-15 Feb. 2015	Attended
18	STTP on Mechanics of Fibrous Composites (ISTE Sponsored)	Annasaheb Dange College of Engineering & Technology, Ashta	23-27 June 2014	Attended
19	Workshop on Role of Teacher in Knowledge Management & Evaluation Process of NBA Accreditation (Lead College Activity of Shivaji University)	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur	2 Feb. 2014	Attended
20	ISTE National Annual Convention on Empowering Technical Education to Address Sustainability and Global Competitiveness	Tatyasaheb Kore Institute of Engineering and Technology, Warananagar	19-21 Dec. 2013	Attended
21	Workshop on Curriculum Development of B.E. Mechanical Revised Structure of Shivaji University	Dr. J. J. Magdum College of Engineering, Jaysingpur	8 Jan. 2010	Attended & Participated
21	International Conference on Advances in Mechanical and Building Sciences in the 3 rd Millenium, ICAMB 2009	VIT University, Vellore	14-16 Dec. 2009	Attended & Participated
22	National Conference on Recent Trends in Energy	Tatyasaheb Kore Institute of Engineering and Technology, Warananagar	20 April 2009	Attended & Participated
23	Workshop on Syllabus Revision for T.E. Mechanical of Shivaji University	Tatyasaheb Kore Institute of Engineering and Technology, Warananagar	9 Jan. 2009	Attended & Participated
24	International Conference on Emerging Trends in Engineering	Pravara Rural Engineering	20-22	Attended &

	(Sponsored by University of Pune, American Institute of Chemical Engineers)	College, Loni	Dec. 2008	Participated
25	Summer school on Recent Developments in Advanced Materials (Sponsored by AICTE-ISTE) & Faculty Awareness Camp on Entrepreneurship (Sponsored by ISTE)	National Institute of Technology Karnataka, Surathkal	16-21 June 2008	Attended
26	Summer school on Faculty Awareness Camp on Entrepreneurship (Sponsored by ISTE-NSTEDB)	National Institute of Technology Karnataka, Surathkal	22-24 June 2008	Attended
27	National Conference on Environmental Engineering and Management	Tatyasaheb Kore Institute of Engineering and Technology, Warananagar	15-16 Feb. 2008	Attended & Participated
28	Workshop on Finite Element Analysis and Advances in CAD/CAE	CAD/CAM GURU, Solutions Pvt. Ltd. Pune	20,21 July 2007	Attended
29	National Conference on Recent Trends in Energy Engineering and Management	Tatyasaheb Kore Institute of Engineering and Technology, Warananagar	2-3 March 2007	Participated- Paper 1
30	National Conference on Recent Trends in Energy Engineering and Management	Tatyasaheb Kore Institute of Engineering and Technology, Warananagar	2-3 March 2007	Participated- Paper 2
31	National Level Technical Paper Presentation Symposium	Sir Veshveshwaraya Memorable Engineering College, Nashik	31 March 2006	Participated
32	STTP on Methods of Vibration Control (Sponsored by ISTE)	College of Engineering, Pandharpur	18-22 Dec. 2006	Attended

33	Workshop on Curriculum Development of S.E. Mechanical Engg. (S.U.)	Tatyasaheb Kore Institute of Engineering and Technology, Warananagar	25 Jan 2003	Attended
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➤ **Programs Organized:-**

Sr. No.	Name of STTP/Workshop/Conference	Institute/Organization	Date
1	STTP on Optimization Techniques and Awareness on Research (AICTE AQIS Sponsored)	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur	31 Dec. 2019-3 Jan 2020
2	FDP on Soft Computing Techniques for Modeling & Optimization in Mechanical Engineering (S.U. Lead College Activity)	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur	13-15 March 2019
3	STTP on “3-D Modeling in CATIA”, in association with EDS Technology Pune	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur	14 to 18 Nov. 2011
4	STTP on “CNC Programming and Machining”	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur	19 to 23 Dec. 2011
5	Workshop on Robotics	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur & IIT Guwahati,	19 Feb. 2012
6	Annual Social Function of Academic Year 2011-12	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur	22-24 March 2012
7	Workshop on “Career Challenges and Opportunity for Engineering students”	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur	9 March 2013

8	Workshop on “Curriculum Development of SE Mechanical Engineering”, under cluster colleges, Shivaji University, Kolhapur	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur	31 Dec. 2013
9	National Level Symposium-Reflex and Academic Year 2014-15	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur	6 March 2014
10	State level Competition-ENGINEIOUS	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur	27 Sept 2014
11	Workshop on “ Introduction to 3D Printing”	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur	08/10/2014
12	State level Competition-ENGINEIOUS	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur	22 Oct. 2015
13	Annual Social Function of Academic Year 2015-16	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur	21 Feb. 2016
14	National Level Symposium-Reflex and Academic Year 2016-17	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur	1 Oct 2016
15	Annual Social Function of Academic Year 2016-17	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur	23-25 March 2017
16	State level Competition-ENGINEIOUS	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur	9 March 2019

Book Published:-- A book on “Control Engineering” of Third Year of Mechanical Engineering of Shivaji University by Tech-Max Publication, Pune from 2013.

Departmental Responsibilities:-

1. Head of Mechanical Engineering Department (UG and PG) at Ashokrao Mane Group of Institutions, Vathar from Sept. 2018 to till date.
2. Coordinator of Post Graduation course in Mechanical-Design Engineering from October 2015 to Sept. 2018.

3. Head of Mechanical Engineering Department at Ashokrao Mane Group of Institutions, Vathar from July 2010 to Sept. 2015.
4. Coordinator of Memorandum of Understanding of Mechanical Engineering Department from 2015 to 2017.

Other Experience/Responsibilities If Any :-

1. Academic Dean at Ashokrao Mane Group of Institutions, Vathar in academic year 2011-2012.
2. Coordinator of National Level Symposium-Reflex for Academic Year 2014-15 and Academic Year 2016-17.
3. Coordinator of Annual Social Function of Academic Year 2011-12, 2015-16 & 2016-17.
4. Admission In charge of the PG Programmes for academic year 2018-19.
5. Admission In charge of the institute for academic year 2017-18.
6. Member of Governing Body of the institute (AMGOI) from 2011.
7. Internal Senior Supervisor for examinations of Shivaji University, Kolhapur.
8. External Senior Supervisor for examinations of Shivaji University, Kolhapur.
9. Paper setter for the examinations of Shivaji University, Kolhapur & DBATU Lonere.
10. External examiner for BE Mech. Project at SPPU, Pune.
11. External examiner for ME Mech.-Design Engineering Dissertation at SPPU, Pune.

- **Social Contribution If Any:-** Active and continuous contribution to the society under own organization- “Aadi Foundation”, Nave Pargaon, Kolhapur, Maharashtra, India
- **Professional Membership If Any:-** Life Member, LM 87022