

# Curriculum Vitae



## 1. Personal Details

Name: - **Dr. Hanmant P. Salunkhe**

**M.Sc., NET, Ph.D., .M.B.A.**

Assistant Professor in Mathematics,  
Department of Technology,  
Shivaji University, Vidyanagar,  
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<b>Personal Information:-</b>	
Name:	Salunkhe Hanmant Pandurang
Permanent Address:	A/P.:-Nigadi, Tal:-Shirala, Dist:-Sangli, PIN-415 408.
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Personal Contact Number:	+91-9011908282
Residence Contact Number	+91-9011908686 (M)
Marital Status:	Married
Gender:	Male
Nationality:	Indian
Languages:	English, Hindi, Marathi.

E-mail:	<a href="mailto:hpsalunkhe@gmail.com">hpsalunkhe@gmail.com</a>
Teaching Experience	12 years
Date of joining	24/12/2011
Field of Research Interest/ Area of Interest	Fluid dynamics, Non Newtonian Fluid dynamics, Modeling, Continuum Mechanics, Cryptography

## 2. Academic Details:-

<b>Educational Qualifications:-</b>			
<b>Degree</b>	<b>Board/University</b>	<b>Year Of Passing</b>	<b>Class Obtained</b>
H.S.C.	Kolhapur Board	2003	First class
B.Sc.(Maths)	Shivaji University, Kolhapur.	2006	First class with distinction
M.Sc.(Maths)	Shivaji University, Kolhapur	2008	First class with distinction
NET (Mathematical Sciences)	CSIR	2010	Passed
Ph.D (Mathematics)	Shivaji University, Kolhapur	2019	---
M.B.A. (Executive)	Shivaji University, Kolhapur.	2021	First Class

## 3. Work Experience:-

<b>UG / PG:-</b>	
1	Lecturer, Department of Mathematics, Kankavli College Kankavli (Mumbai University) , From June2008 to April2009.
2	Lecturer, Department of Mathematics, D.Y.Patil College Of Engg. & Tech. Kolhapur (Shivaji University) , From July2009 to April2011.
3	Assistant Professor, Department of Technology, Shivaji University, Kolhapur, From May 2011 to till

#### 4. Other Responsibilities/Member on committee/Judge/Resource Person

1	Coordinator, First Year B.Tech, Department of Technology, Shivaji University, Kolhapur From July 2013 to till
2	Additional Charge of Associate Professor, Center for Distance Education Shivaji University, Kolhapur, From Nov. 2018 to till

#### 5. Research Specialization:-

1. Applied Mathematics
2. Fluid Dynamics
3. Non Newtonian Fluid dynamics
4. Tensor Calculus
5. Continuum Mechanics
6. Cryptography

#### 6. Research Projects

<b>Ongoing:-</b>	
1	Constitutive Equations for Dynamics of MR Fluid.
<b>Completed:-</b>	
1	Constitutive Equations for MR and ER Fluid Dampers.

#### 7. Research Papers

<b>Published:-</b>	
1.	<b>H. P. Salunkhe, S. D. Thikane</b> , Mathematical Modeling of Semi-active Suspension of MR Damper in Presence of Uniform Magnetic Field, Mathematical Sciences International Research Journal, Volume 6, p 200-206, 2017.

2.	<b>H. P. Salunkhe, S. D. Thikane,</b> Magnetorheological Fluids & Its Applications: Current Scenario & Future Prospectus, Mathematical Sciences International Research Journal, Volume 6, p 207-213, 2017.
3.	<b>H. P. Salunkhe, S. D. Thikane,</b> Vector Space & Linear Mapping for Electrorheological Fluid, Mathematical Sciences International Research Journal, Volume 7 ,p 61-66, 2018.
4.	<b>H. P. Salunkhe, S. B. Sadale, S. D. Thikane,</b> Mathematical Modeling of Electrorheological Damper in Semiactive Suspension, Mathematical Sciences International Research Journal, Volume 7, p 67-74, 2018.
5.	<b>Hanmant Salunkhe, Shivaji Sadale, Surendra Thikane,</b> Lagrangian Equation of Motion for Magnetorheological Fluids, Online International Interdisciplinary Research Journal, Volume -09, Issue-01, p 73-85, 2019.

#### Presented:-

1.	<b>H P Salunkhe, S. D Thikane,</b> Constitutive Equations for MR Fluid Damper, National Conference on Differential Equations and Applications (NCDEAA-2014) organised by Department of Mathematics, University of Mumbai, Vidyanagari, Santacruz (East), Mumbai during February 14-15, 2014.
2.	<b>H P Salunkhe, S. D Thikane,</b> Mathematical Modeling and Design Of MR Fluid Damper for Vibration Control and Suspension, International Conference on Mathematics (ICM-2015) organised by Department of Mathematics, University of Kerala, Thiruvananthapuram during 24 <sup>th</sup> November to 28 <sup>h</sup> November, 2015.
3.	<b>H P Salunkhe, S. D Thikane, Sagar Khilare,</b> Magnetorheological Dampers, 82th Annual Conference of The Indian Mathematical Society organised by University Of Kalyani, West Bengal during December 27-30. 2016
4	<b>H P Salunkhe, S. D Thikane, Mathematical Modeling of Semi-active Suspension of MR Damper in Presence of Uniform Magnetic Field,</b> International Conference on Advances in Mathematics & Computer Science 2017 at V.V.Vanniaperumal College for Women, Virudhunagar, (Near Madurai), Tamil Nadu, India during the period Dec 14 - 16, 2017

5	<b>H P Salunkhe, S. D Thikane</b> , Vector Space And Linear Mapping For Electrorheological Fluid, International Conference on Advances in Mathematics, Computers & Physical Sciences, 2018 at Chandigarh during the period Feb 22-24, 2018.
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## 8. Conferences

### Conferences Attended:-

1	National Conference on " <u>Mathematical Aspects of Physical Concepts and Physical Aspects of Mathematical Concepts</u> " held on 16-17 January 2010 at S.H.Kelkar College of Science Devgad
2	National conference on " <u>Emerging Technologies for Sustainable Developments</u> " held on 27 <sup>th</sup> & 28 <sup>th</sup> December, 2012, organized by Department of Technology, Shivaji University, Kolhapur.
3	" <u>78<sup>th</sup> Annual Conference of the Indian Mathematical Society</u> " (January 22-25, 2013) organized by Department of Mathematics and DST-Centre for Interdisciplinary Mathematical sciences, Banaras Hindu University, Varanasi.
4	" <u>20<sup>th</sup> Annual Conference on Applicable Mathematics &amp; Students Carnival</u> " held on 8 <sup>th</sup> & 9 <sup>th</sup> February 2013 organized by Shri Vijaysingha Yadav arts & Science College, Peth Vadgoan.
5	National Conference on " <u>Differential Equations and Applications</u> " held on February 14-15, 2014 at University of Mumbai, Mumbai.
6	" <u>International Conference on Mathematics 2015</u> " held on Nov. 26-28, 2015 at University of Kerala in collaboration with International Multidisciplinary Research Foundation.
7	" <u>82<sup>th</sup> Annual Conference of The Indian Mathematical Society (IMS)</u> " held on December 27-30, 2016 at University of Kalyani, West Bengal.
8	" <u>National Conference on Interdisciplinary Trends in Engineering and Technology</u> " held on 17-18, FEB, 2017 at Shivaji University, Kolhapur.
9	" <u>International Conference on Advances in Mathematics and Computer Science-2017</u> " held on December 14-16, 2017 at Tamil Nadu.
10	" <u>International Conference on Advances in Mathematics, Computer Science and Physical Sciences-2018</u> " held on February 22-24, 2017 at Chandigarh.

## 9. Workshop

<b>Workshops &amp; Short Term Course Attended:-</b>	
1	Participated in a two days ISTE workshop on <u>“Writing Effective Conference Papers”</u> conducted by IIT Bombay on 18 <sup>th</sup> and 19 <sup>th</sup> Feb., 2012.
2	Participated in a two weeks ISTE workshop on <u>“Computational Fluid Dynamics”</u> conducted by IIT Bombay on 12 <sup>th</sup> to 22 <sup>th</sup> June, 2012.
3	Participated in a two days workshop on <u>“Research Writing, Ethics, Plagiarism and Publishability”</u> organized by IQAC, Shivaji University, Kolhapur held on 26 <sup>th</sup> & 27 <sup>th</sup> July, 2012
4	Participated in a one day workshop on <u>“Effectiveness in teaching for organizational Excellence”</u> organized by Training and Placement cell Department of Technology, Shivaji University, Kolhapur on 3 <sup>rd</sup> Jan., 2013.
5	Participated in One day workshop on <u>“Spoken Tutorial”</u> organized by Department of Technology, Shivaji University , Kolhapur on 29 <sup>th</sup> Jan., 2014
6	Participated in One day workshop on <u>“Latex-Effective Document writing ”</u> organized by Rajarambapu Institute of Technology, Rajaramnagar on 05 <sup>th</sup> April, 2014
7	Participated in <u>“Two week Main Workshop On Fluid Dynamics”</u> conducted by IIT , Kharagpur on 20 <sup>th</sup> to 30 <sup>th</sup> May 2014
8	Participated in <u>Two Week ISTE Main Workshop on Computer Programming</u> conducted by IIT, Bombay 20 <sup>th</sup> May to 21 <sup>st</sup> June 2014
9	Participated in <u>“Two weeks ISTE workshop on Cyber Security”</u> conducted by IIT Bombay on 10 <sup>th</sup> to 20 <sup>th</sup> July, 2014.
10	Participated in <u>“one day workshop on outcome Based Modular Syllabus”</u> conducted by Shivaji University, Kolhapur on 6 August 2014.
11	Participated in <u>“CEP Course on Computing Techniques for solving Engineering Problems”</u> conducted by IIT Bombay and Shivaji University, Kolhapur on February 18-22, 2015.
12	Participated in <u>“one day workshop on LaTeX”</u> conducted by IIT Bombay on 29 August 2015.
13	Participated in <u>“Familiarization workshop on Patents and IPR”</u> conducted by Rajaram College, Kolhapur on 8 February 2017.
14	Participated in <u>“Workshop for Faculty Mentors on Induction Program me”</u>

	conducted by PEC University of Technology, Chandigarh on 22-24 , September 2017.
15	Participated in <u>“Short term course on Modern Cryptography”</u> conducted by IIT Khagarpur on 17-21 , September 2018.
16	Participated in <u>“National Workshop on NBA and NAAC Accreditation”</u> at Sikkim on 18-22 June 2019.
17	Attended one day workshop on <u>“Research Methodology”</u> conducted by Shivaji University, Kolhapur on 18 January 2020.
18	Participated in <u>“STTP on Linear Algebra and Statistics for Engineers and Scientists”</u> organized by Government College of Engineering, Aurangabad on 02-06 , September 2020.
19	Participated in <u>“Short term course on Linear Algebra and its Applications”</u> organized by IIT Delhi on 20-24, December 2020.

## 10. Organization of Conferences / Workshops / Seminars / Induction Program

<b>Organization of Conferences:-</b>	
1	Coordinator, <b>National Multi-Disciplinary Conference on Outcome Based Education : Issues and Challenges (OBEIC)-2019</b> , at Department of Technology and Department of Education, Shivaji University, Kolhapur, April 05, 2019.
<b>Organization of Induction Program:-</b>	
1	Coordinator, <b>Three Week Induction Program for Newly Admitted Students-2019-20</b> , at Department of Technology, Shivaji University, Kolhapur, August 12-31, 2019.
2	Coordinator, <b>Student Induction Program for Newly Admitted Students-2020-21</b> , at Department of Technology, Shivaji University, Kolhapur, February 02-06, 2021.

## 11. Orientation, Refresher & FDP

<b>Orientation, Refresher &amp; FDP Attended:-</b>	
1	<b>"113<sup>th</sup> Orientation Programme"</b> organized by UGC -Human Resource Development Centre, University of Allahabad at Allahabad during the period 22 February - 20 March , 2016.
2	<b>"Refresher course in Mathematics and Statistics"</b> organized by UGC - Human Resource Development Centre, University Of Mumbai at Mumbai during the period 07 - 26 November, 2016.
3	<b>"Refresher Programme in Recent Trends in Teaching, Learning Technology"</b> organised by Faculty Development Centre, UGC-Human Resource Development Centre, Savitribai Phule Pune University, Pune-411007 during the period 08 - 28 December, 2018 at Department of Education Shivaji University, Kolhapur-416004.
4	<b>Two week Faculty Development Program on "ICT Based New Paradigms of E-Teaching and E-Learning: Digital Pedagogy"</b> organized by Mata Sundri College for Women, University of Delhi in association with PMMMNTT Teaching Learning Centre, Ramanujan College University Of Delhi during the period 15.09.2020 to 30.09.2020.
5	<b>One week Faculty Development Program on "Mathematics with Matlab and Mathematica"</b> organized by Department of Mathematics, IIT Indore during the period 23.11.2020 to 28.11.2020.

## 12. Invited Talks

<b>Invited Talks:-</b>	
1	Delivered six lectures in the Students Induction Program, organized by Department of Technology, Shivaji University, Kolhapur, August, 2018.
2	Delivered two lectures in the Students Induction Program, organized by Department of Technology, Shivaji University, Kolhapur, August, 2019.
3	Delivered a series of four lectures on Classical Mechanics for the distance mode students, held in the Centre of Distance Education, Shivaji University, Kolhapur, 18, October 2019.
4	Delivered two lectures in the Ph.D Course work, organized by Department of Education, Shivaji University, Kolhapur, 11, May 2019.



5	Delivered a series of five lectures on Classical Mechanics for the distance mode students, held in the Centre of Distance Education, Shivaji University, Kolhapur, 24-Feb.-22 March 2021.
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### **13. Membership**

1	Life Member of IMS
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