



Curriculum-Vitae

- Full Name:** Prof. Shrikant Ramesh Chaudhari
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Kavayitri Bahinabai Chaudhari North Maharashtra University,
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- Phone:** (Off.) 0257-2257465 and (Mob) 9579299945, 9420129704
- Profile URL:** <https://vidwan.inflibnet.ac.in/profile/218745> (Vidwan 218745)
- Education Qualification:** **M. Sc., M. Phil., Ph. D., SET, MS-CIT.**
- Graduate in Mathematic- 1991 (University of Pune)
 - Post graduate in Mathematics-1994 (N. M. Uni., Jalgaon)
 - Master of Philiosphy-1996 (Shivaji Uni., Kolhapur)
 - Doctor of Philosophy-2003 (Shivaji Uni., Kolhapur)
 - SET -1998
 - MS-CIT – 2002
- Particulars regarding M. Phil. and Ph. D.:**
- Title of M. Phil. Thesis: A Study of Rough Sets and Fuzzy Sets.
 - Title of Ph. D. Thesis: A Study of Fuzzy Automata Theory.
 - Guide: Dr. H. V. Kumbhojkar, Former Head and Professor, Department of Mathematics, Shivaji University, Kolhapur.
- Teaching Experience:** 25 yrs. (19 PG + 06UG)
- Area of Research:** Algebra and Fuzzy Mathematics
- Awards received:** Mahatma Jotirao Phule Rastriya Shikshak Puraskar-2015

Number of Ph. D. Students Completed (with names): 06

Sr. No.	Name of the student	Subject	Title of the Thesis	Date of Award
1	Mr. S. S. Desai	Mathematics	An Axiomatic Choice Theory: A Fuzzy Approach.	09 Oct. 2012
2	Mr. D. D. Komejwar	Mathematics	A Study of Some Aspects of Fuzzy Automata, Fuzzy Grammars And Languages.	07 Oct. 2013
3	Mr. S. A. Morye	Mathematics	A Study of Mealy and Moore-type Fuzzy Finite State Machines.	09 June 2014
4	Mr. S. S. Dhure	Mathematics	A Study of Fuzzy Automata Using Techniques In Fuzzy Groups.	16 March 2016
5	Mrs. Mukta N. Joshi	Mathematics	Study of Fuzzy Tree Automata Theory.	21 Aug. 2017
6	Mrs. Vaishali P. Bhosale	Computer Science	Design And Development of Compiler Modules Using Finite Fuzzy Automata.	23 March 2018

Number of M. Phil students Completed (with names): 01

Sr. No.	Name of the student	Subject	Title of the Thesis	Date of Award
1	Mr. Amar Pandit Patil	Mathematics	A Study of Lattice-Valued Automata	7 Sept. 2017

Number of Ph.D. Students working (with names): 05

Sr. No.	Name of the student	Subject	Title of the Thesis	Year of Registration
1	Mr. Atish Ashok Yadav	Mathematics	A Study of Automata Based Cryptosystems	2020
2	Mrs. Prajakta Rahul Raut	Mathematics	Algebraic study of fuzzy Automata Theory	2020
3	Mr. Sopan Jagdevrao Chavhan	Mathematics	On Algebraic Aspects of Cryptography	2020
4	Mr. Sudhakar Vasant Sadanshiv	Mathematics	On Networks of Fuzzy Automata	2020
5	Mr. Ramdas Vaijinath Madan	Mathematics	A Study of Linear Codes	2020

Number of Books Written (With details): 06

Sr. No.	Name of Authors	Title of the Book	Number of Chapters	Year of Publication	ISBN/ ISSN No.
1	S. R. Chaudhari, M. S. Bapat	Measure and Integration	Chapters I, II, VI, VII	2009	ISBN 978-81-8486-333-8
2	S. R. Chaudhari, U. H. Naik	Complex Analysis	Chapters I, II, III, IV, V and VI	2009	ISBN 978-81-8486-136-5
3	S. R. Chaudhari, C. S. Manjrekar	Algebra II	Chapter VIII	2009	ISBN 978-81-8486-135-8
4	S. R. Chaudhari, J. N. Chaudhari	Abstract Algebra	Unit I to VIII	2019	(Submitted to YCMOU, Nasik)
4	S. R. Chaudhari	Measure and Integration	Unit I to XVI	2019	(Submitted to YCMOU Nasik)
5	S. R. Chaudhari	Field Theory	Unit I to XVI	2021	(Submitted to YCMOU Nasik)

Number of research papers and Citations:

Publications: 33			
Citation or index/Database	Scopus (Author ID: 7006357482)	MathSciNet (ID: 673160)	Google
Citations	50 (by 43 Documents) (for 8 documents)	03 (for 15 documents)	206 (for 34 Documents)
h-index	04	-	07
10-index	-	-	05

Journal Publications with Impact factors and Citations:**International: 14**

1. S. S. Desai and S. R. Chaudhari (2018), On Characterizations of The Fully Rational Fuzzy Choice Functions, Iranian Journal of Fuzzy Systems, 16(2), (2019), pp. 137-146. (ISSN: 1735- 0654)
2. A. P. Patil and S. R. Chaudhari (2016), Operators on Lattice-Valued Automata, J. Math. Comput. Sci. 6, No. 6, pp. 975-988. (Impact Factor: 0.30)

3. S. R. Chaudhari and S. S. Desai (2015), "On Q-rationality of fuzzy choice functions on base domains" *Fundamenta Informaticae* 139(2) (2015), pp. 127-151. (ISSN: 0169-2968) ([MR3383582](#)). (**Impact Factor: 0.479**)
4. S. R. Chaudhari and S. S. Desai (2014), Transitive and Acyclic Rationality Indicator of Fuzzy Choice Function on Base Domain, *Social Choice and Welfare*, 2014, Vol. 42(2) pp 341-365. (ISSN: 0176-1714) ([MR3160638](#)) (**Impact Factor: 0.485, Citations: 04**)
5. S. R. Chaudhari and S. S. Dhure (2014), On characteristic semigroup of state (input) independent fuzzy automata, *Annals of Fuzzy Mathematics and Informatics* 8(3), 393-408. ([MR3233350](#)) (**Impact Factor: 1.1147**)
6. S. R. Chaudhari, S. A. Morye and S. S. Dhure (2014), Lattice theoretic aspects of Fuzzy Mealy Machine, *Annals of Fuzzy Mathematics and Informatics*, 8 (1), 73-87. ([MR3233354](#)) (**Impact Factor: 1.1147, Citations: 01**)
7. S. R. Chaudhari and S. S. Desai (2013), On interrelations between fuzzy congruence axioms through indicators, *Annals of Fuzzy Mathematics and Informatics*, 8(3), 461-477. ([MR3233354](#)) (**Impact Factor: 1.1147, Citations: 02**)
8. S. R. Chaudhari and S. S. Desai (2012), On interrelations between fuzzy Congruence axiom, *Journal New Mathematics and Natural Computation*, 8(3), 297-310. (ISSN: 1793-0057) ([MR2982979](#)) (**Impact Factor: 0.63, Citations: 02**)
9. S. S. Desai and S. R. Chaudhari (2012), On The Full Rationality of Fuzzy Choice Functions on Base Domain, *New Mathematics and Natural Computation*, 8(2), 183-193. ([MR2944359](#)) (**Citations: 04**)
10. S. R. Chaudhari and S. S. Desai (2010), Congruence Axioms and Rationality of Fuzzy Choice Function, *International Journal of Applied Mathematics*, Vol 23 (5), 429-243. ([MR2808906](#)) (**Citations: 04**)
11. S. R. Chaudhari (2007), Homomorphisms Fuzzy Recognizers, *Int. J. of Kybernetics*, Vol. 5/6, 768-775. ([MR2371590](#)) (**Impact Factor: 0.308, Citations: 08**)
12. H. V. Kumbhojkar and S. R. Chaudhari (2002), Fuzzy Recognizers and Recognizable Sets, *Int. J. of Fuzzy Sets and Systems*, Vol 131, 381-392. ([MR1939851](#)) (**Impact Factor: 2.138, Citations: 26**)
13. H. V. Kumbhojkar and S. R. Chaudhari (2002), On Coverings of Products of Fuzzy Finite State Machines, *Int. J. of Fuzzy Sets and Systems*, Vol 125, 215-222. ([MR1880337](#)) (**Impact Factor: 2.138, Citations: 54**)

14. H. V. Kumbhojkar and S. R. Chaudhari (2000), On Proper Fuzzification of Finite State Machines, International Journal of Fuzzy Mathematics, 8(4), 1019-102. ([MR1805221](#)) (Citations: 23)

National and Other: 23

1. Vaishali P. Bhosale and Dr. S. R. Chaudhari, (2017), Finite Automata and Lexical Analysis, International Journal of Emerging Technology and Advanced Engineering, 7(11) pp. 48-51.
2. S. R. Chaudhari and M. N. Joshi, (2016), Product, Products on Fuzzy Tree Automata, International Journal of Fuzzy Mathematics and Systems, Volume 6, Number 2 pp. 115-123.
3. S. R. Chaudhari and M. N. Joshi, (2016), Fuzzy Tree Transducers, Advances in Fuzzy Mathematics, Vol. 11(2), pp. 99-112.
4. Vaishali P. Bhosale and S. R. Chaudhari, (2016), Fuzzy Syntax Analyzer for Tiny Language, Journal of Emerging Technologies and Innovative Research, Vol.3(7), pp. 20-23.
5. Vaishali P. Bhosale and S. R. Chaudhari, (2016), Fuzzy Lexical Analyzer: Design and Implementation, International Journal of Computer Applications, Vol. 123(11), 01-07.
6. Vaishali P. Bhosale and S. R. Chaudhari, (2015), Recursive Descent Parser for C-Minus Language, International Journal of Information Systems, Vol.6(1), pp. 13-16.
7. S. R. Chaudhari and S. S. Dhure, (2014), On cardinality of the group of weak fuzzy automaton isomorphisms, International Journal of Computer Applications, 84(10), 1-8.
(Impact Factor: 0.821, Citations: 02)
8. S. R. Chaudhari and S. A. Morye, (2013), On Properties of Fuzzy Mealy Machines, International Journal of Computer Applications, 63 (19), 1-8. (Impact Factor: 0.821, Citations: 04)
9. S. R. Chaudhari and D. D. Komejwar (2012), On Fuzzy Pushdown Automata and Their Covering, International Journal of Computer Applications, 46 (8), 27-33. (Impact Factor: 0.821, Citations: 04)
10. S. R. Chaudhari, M. N. Joshi, (2012), A note on fuzzy tree automata, International Journal of Computer Applications 56 (17), 1-5. (Impact Factor: 0.821, Citations: 03)
11. S. R. Chaudhari and D. D. Komejwar (2011), On fuzzy Regular Grammars, Advances in Fuzzy Mathematics, 6(1), 89-103.
12. S. R. Chaudhari and D. D. Komejwar (2010), On Closure Properties of Fuzzy Automaton Languages, Advances in Computational Sciences and Technology, 3(4), 429-443.
13. S. R. Chaudhari and S. S. Desai, (2010), Transitive and Acyclic Rationality of Fuzzy Choice Function, International J. of Math. Sci. & Engg. Appls. 4 (III), 209-224. (Impact Factor: 0.2172, Citations: 05)
14. S. R. Chaudhari and S. S. Desai, (2010), On Full Rationality and Congruence Axioms of Fuzzy Choice Functions, International Journal of Computational and Applied Mathematics, Vol. 5 (3), 313-324. (Citations: 06)

15. S. R. Chaudhari and S. A. Morye, (2010), Mealy-type Finite State Machines: A Fuzzy Approach, International J. of Math. Sci. & Engg. Appls. 4 (II), 407-426. (**Impact Factor: 0.2172, Citations: 04**)
16. S. R. Chaudhari and D. D. Komejwar, (2010), On products and homomorphism of fuzzy pushdown automata, Canadian Journal on Science and Engineering Mathematics, Vol. 1 (2), 21-44.
17. S. R. Chaudhari and S. A. Morye, (2010), Results of Mealy-type Finite State Machines, International Journal of Computational Science & Mathematics, 2(1-2), 19-29.
18. S. R. Chaudhari and A. S. Desai, (2010), On equivalence of Fuzzy Mealy and Moore machines, Bulletin of Pure and Applied Mathematics, Vol 4 (2), 375-384. (**Citations: 05**)
19. S. R. Chaudhari and Komejwar D. D., (2010), Linear Grammars: A Fuzzy Approach, International J. of Math. Sci. & Engg. Appls. 4 (II), 199-208.
20. S. R. Chaudhari, (2006), On Fuzzy Finite Automata and Regular Fuzzy Grammar, Bulletin of Marathwada Mathematical Society, Aurangabad, Vol. 7(2), 17-24.
21. S. R. Chaudhari, (2006), Fuzzy Sets and Fuzzy Logic-II, Bulletin of Marathwada Mathematical Society, Aurangabad, Vol. 7(1) 2006, 18-24.
22. S. R. Chaudhari, (2006), Fuzzy Sets and Fuzzy Logic-I, Bulletin of Marathwada Mathematical Society, Aurangabad, Vol. 7(1), 11-17.
23. S. R. Chaudhari, (2004), Reduced Fuzzy Recognizers, GVISH. J. of Science, Vol II, 25-28.

Proceedings Publications: 16

1. S. R. Chaudhari and M. N. Joshi (2014), A Bottom up and top down fuzzy tree automata, Souvenir Proceeding of National Conference on Fuzzy Mathematics and its Applications 2014, pp 41-48. (ISBN 978-93-5196-779-8).
2. A. P. Patil and S. R. Chaudhari (2014), A note on languages generated by L-Fuzzy finite automaton, Proceeding of National Conference on Fuzzy Mathematics and its Applications 2014, pp 41-48. (ISBN No. 978-93-5196-779-8).
3. Vaishali Bhosale and S. R. Chaudhari (2014), Fuzzy Approach to Erroneous Token Recognition, Proceeding of the National Conference on Modern Approach for Green Electronics and Computing, pp 86-89. (ISBN 978-81-928732-2-0).
4. S. R. Chaudhari (2014), On Rough Sets, Soft Sets and Their Applications, Proceeding of the National Conference on "Recent Applications of Mathematical Tools in Science and Technology", pp I-1 to I-8 (ISBN 978-93-82588-41-2).
5. S. S. Dhure and S. R. Chaudhari (2014), Properties of weak fuzzy automaton homomorphisms on single input fuzzy automata, Proceeding of the National Conference on "Recent Applications of Mathematical Tools in Science and Technology", pp I-25 to I-33 (ISBN 978-93-82588-41-2).
6. S. A. Morye and S. R. Chaudhari (2014), Subsystems of fuzzy Moore Machines, Proceeding of the National Conference on "Recent Applications of Mathematical Tools in Science and Technology", pp I-34 to I-39 (ISBN 978-93-82588-41-2).

7. S. R. Chaudhari and D. D. Komejwar (2013), General Fuzzy Automata, Proc. of the National Conference on Recent Trends in Mathematics and Its Applications, Indian Institute of Mines Dhanbad, Allied Publishers Pvt Ltd. 2013.
8. S. R. Chaudhari and S. S. Dhure (2013), On Singly Generated Fuzzy Automata, Proc. of the National Conference on Recent Trends in Mathematics and Its Applications, Indian Institute of Mines Dhanbad, Allied Publishers Pvt Ltd. 2013.
9. S. R. Chaudhari (2010), Fuzzy Finite State Machines and Fuzzy Automata, National Conference on "Mathematical Aspects of Physical Concepts and Physical Aspects of Mathematical Concepts" At Shri. S.H. Kelkar College of Arts, Commerce & Science, and Deogad, Maharashtra.
10. S. R. Chaudhari (2010), Semigroups of Fuzzy Finite State Machines, International Conference on Groupoids, Semigroups and Automata, University of Kerala, Trivendrum. (10-12 August 2010).
11. S. R. Chaudhari and D. D. Komejwar (2010), On Regularity of Fuzzy languages, Proceedings of the National Seminar on Algebra, Analysis and Discrete Mathematics, University of Kerala, Karivattom P. O. Thiruvananthapuram, S K Printers, Kariavattom, Kerala, 91-102.
12. S. R. Chaudhari (2004), On Fuzzy Inference Engine, Proc. State level Seminar in Graduate and Post-Graduate level Mathematics and effective teaching, Gunjoti, 59-69.
13. S. R. Chaudhari (2001), Homomorphisms of fuzzy Recognizers, Proc. International conference on Mathematical Modeling, Roorkee Univ. Roorkee, 289-292.
14. H. V. Kumbhojkar and S. R. Chaudhari (2000), Fuzzy Recognizers-I, in Pal N. R., De A. K. and Das J. (Ed.), International Conference on Advances in Pattern Recognition and Digital Techniques, Narosa Publishing House, INDIA, 261-264. (Citations: 03)
15. H. V. Kumbhojkar and S. R. Chaudhari (1999), Products in Fuzzy Finite State Machines, Proc. National Conference on Fuzzy Mathematics, Alwaye, Kerala, 69-86.
16. H. V. Kumbhojkar and S. R. Chaudhari (1999), Fuzzy Recognizers-II, in National Senior Recent Trends in Mathematics, Meenakshi AR, Paularaja p. and Dheena P. (Ed.) Recent Trends in Algebra and its Applications, Annamalainagar, INDIA, 72-90.

Research projects: (Completed): 02

Name of Investigator (with PI,CO-PI)	Title of Project	Duration	Amount Sanctioned	Funding Agency
S. R. Chaudhari	A Study of Fuzzy Languages and Automata	2005-2007	10,000/-	UGC, Dr. B. A. M. U., Aurangabad
S. R. Chaudhari	A Study of Fuzzy Relation Equations	2005-2007	40,000/-	UGC

Papers presented at Conferences / Seminars / Symposia etc.

A) International Conferences / Symposia etc.: 06

B) National Conferences / Symposia etc. : 09

Training / special programs attended: 04

- 1) National Webinar on Effective Teaching through digital Plot forms during 29-30 May 2020.
- 2) One Week National level Faculty Development Program on "G-Suite and Allied Tools in Education, Teaching & e-Content Development" from 29/06/2020 to 04/07/2020, organised by P. G. Department of Computer Science & Engg., Sant Gadge Baba Amravati University, Amravati.
- 3) Participated in the Science Conclave: A meeting with Nobel Laureates, at IIT Allahabad, funded by DST and HRD, India.
- 4) Participated in the Workshop on "National Programme for Training of Scientists and Technologists working in the Govt. Sectors", during July 27-31, 2009 at ISI Calcutta, funded by DST.

Memberships: 07

Life member of various mathematical societies such as

- Bharat Ganita Parisad (BGP), Lucknow
- Marathwada Mathematical Society (MMS), Aurangabad
- Shivaji University Mathematics Society, (SUMS) Kolhapur
- Shivaji University Postgraduate Teachers Association, (SUPTA), Kolhapur
- North Maharashtra University Teachers Association (NMUTA), Jalgaon
- Indian Mathematical Society (IMS), India
- International Society for Rough Sets (IRS)

Administrative Work experience:

- Management Council Member, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, since 2021.
- Director, School of Mathematical Sciences, School of Mathematical Science, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon North Maharashtra University, Jalgaon since 31 July, 2019.
- Member of Academic Council, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, since 2018.
- Head, Department of Mathematics, School of Mathematical Science, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon North Maharashtra University, Jalgaon since 14 Feb, 2013 to 30 July, 2019.

- Chairperson BoS (Mathematics) Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, since 15 May, 2018.
- Coordinator, Examination Committee, Department of Mathematics, North Maharashtra University, Jalgaon since Feb, 2013 to 30 July, 2019.
- Chairman, NAAC departmental sub-committee, Feb, 2013 to 30 July, 2019.
- Coordinator of Admission committee, Academic committee and Anti-ragging committee.
- Member of BoS of N.M. U., Jalgaon from 2014 to 2018.
- Coordinator NMU Campus Level Avishkar- 2016.
- Member of API committee of NMU Jalgaon, since 2014.
- Member of The Statute Committee of Kavayatri Bahinabai Chaudhari N.M.U. Jalgaon from 20 Aug. 2018.

Working experience with international bodies/international exposures:

- Worked as a referee for the International Journal of Fuzzy Sets and Systems.
- Worked as a referee for the Iranian Journal of Fuzzy Systems.
- Worked as a referee for the Bulletin of Malaysian Mathematical Society.
- Worked as a referee for the Bulletin of Marathwada Mathematical Society.
- Worked as a referee for the International Journal of Foundations of Computer Science.
- Worked as a referee for the International Journal of Machine Learning and Cybernetics.
- Worked as a referee for Journal of Granular Computing, Rough Sets and Intelligent Systems.
- Worked as a referee for Journal of Applied Mathematics and Computing.
- Reviewer of Mathematical Reviews/MathSciNet (Reviewer number: 093705).
- Reviewer of Zentralblatt MATH (Reviewer No.: 15120).

Conferences/Workshops Organized:

- Worked as a Chairman for the Workshop for College Teachers on “Recent Trends in Mathematics”, conducted under Celebration of NMD-2018 at by Department of Mathematics, North Maharashtra University, Jalgaon held on 03 March 2019.
- Worked as a coordinator for the refresher course on “Recent trends in Teaching and Learning Technology” organized by the Faculty Development Centre, UGC-Human Resource Development Centre, Savitribai Phule Pune University, Pune at the Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon during 10.12.2018 to 30.12.2018.
- Organized the celebration of Birth Anniversary of S. Ramunajan and Maths Mela at M. J. College on 22 Dec. 2018. (Supported by Vignyan Prasar, DIT Govt. of India)
- NET/SET workshop for PG students at Department of Mathematics, KBCNMU, Jalgaon during 05/12/2018 to 11/12/ 2018.

- Worked as a Chairman for the Workshop for College Teachers on “Contribution of Ramanujan”, conducted under Celebration of NMD-2017 at by Department of Mathematics, North Maharashtra University, Jalgaon held on 25 March 2018.
- Member of Scientific Committee and the Chairman of the National Conference on Algebra, Analysis and Number theory organized by Dept. of Mathematics NMU Jalgaon during 13-14 January 2018.
- Worked as a Chairman for the Workshop for College Teachers on Historical Developments of Mathematics, conducted under Celebration of NMD-2014 at by Department of Mathematics, North Maharashtra University, Jalgaon to be held on 22 March 2015.
- Worked as a Chairman for the Workshop for College Teachers on Promotion of Mathematics, conducted under Celebration of NMD-2013 at by Department of Mathematics, North Maharashtra University, Jalgaon held on 24 March 2014.
- Worked as a Chairman for the National conference of Algebra, Analysis and Fuzzy Mathematics, organized by Department of Mathematics, North Maharashtra University, Jalgaon to be held from 21-22 February 2014.
- Worked as a Convener for the National Conference on Current Practices in Mathematics, Statistics and Actuarial Sciences, organized by School of Mathematical Sciences, North Maharashtra University, Jalgaon during 7-8 March 2013.

Any other activity done/going on:

- Worked as a referee for M. Phil. /Ph. D. thesis of various universities namely
- Banaras Hindu University, Varanasi (UP)
- Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand
- Savitribai Phule Pune University, Pune (MS).
- Mahatma Gandhi University, Kottayam, Kerala
- Veer Narmad South Gujarat University, Surat
- Bharathidasan University, Tiruchirapalli, Kerala
- Annamalai University, Annamalainagar, Tamil Nadu
- University of Kerala, Kottayam, Thiruvananthapur, Kerala
- Yashwantrao Chavan Maharashtra Open University, Nasik (MS)
- Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS)
- Shivaji University, Kolhapur (MS)
- S. R. T. M. University, Nanded (MS)
- Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur (MS)
- Sant Gadge Baba Amravati University, Amravati (MS)
- Annamalai University, Annamalainagar, Tamil Nadu
- Bharathidasan University, Tiruchirapalli
- University of Kerala, Kerala

Contribution to University/School/Department:

- Member of Travel Grants and Publication Grants committee of North Maharashtra University, Jalgaon 2014-2016.
- Member of API Verification Committee of North Maharashtra University, Jalgaon from 2014.
- Member of IQAC Committee from 2014-2016.
- Member of State level AVSIKAR organizing Committee Jan 16-18, 2014.
- Worked as a Co-ordinator of Examination committee for M. Sc. Mathematics from 2013, at North Maharashtra University, Jalgaon.
- Worked as Chairman, Board of Examinations and Paper setters and Examiners of IDEAL, North Maharashtra University, Jalgaon for M. Sc. Mathematics from March 2014.
- Worked as a Chairman for flying squad for B. Sc. and B. Com. examination of April/May, 2013 at North Maharashtra University, Jalgaon.
- Member of Departmental Research Committee at Shivaji University, Kolhapur from 2008-12
- Member of Research Recognition Committee at Shivaji University, Kolhapur from 2009-12.
- Worked as Chairman for M. Sc. Tech. Maths and M. Sc. Maths (Regular) at Shivaji University, Kolhapur from 2009-12.
- Worked as counseling committee member of the University for Admission at Sangli center 2010.
- Worked as In-charge of departmental Computer Laboratory at Shivaji University Kolhapur. 2006-2010.
- Worked as counseling member for distance education students of Mathematics of Shivaji University Center, Kolhapur (2006 - 2010).

Lectures delivered:

I) Workshops/National/International conferences: 29

- 1) Delivered a talk on "Number Theory" in the National Workshop on Historical Developments of Mathematics organized by Zunzunwal College Mumbai in online Plot forms on 27/03/2021.
- 2) Delivered a invited talk on "Finite Fields" in one day National Webinar on Recent Trends in Mathematics on Wednesday, May 05, 2021 at 06.00 p.m. through Google Meeting organized by Department of Mathematics, Gramin (ACS) Mahavidyalaya Vasantnagar, Kotgyal Tq. Mukhed Dist. Nanded (M.S.)
- 3) Worked as a resource person for University level workshop on 'NET/SET Guidance in Mathematics' organized by Department of Mathematics, Sant Gadge Baba Amravati University, Amravati in collaboration with R. D. I. K. and K. D. College, Badnera, Aadarsh Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly. and Dr. R. G. Rathod Arts and Science College, Murtizapur on 22nd December 2020 in online mode.

- 4) Delivered an invited talk in the National Webinar conducted by Shrikrishna Mahavidyalaya, Gunjoti on July 24, 2020.
- 5) Delivered a talk on "Applications of Fuzzy Theory" in the National Seminar in Statistics held at the Department of Statistics, University of Mumbai, Mumbai on 23 March 2019.
- 6) Delivered a talk on "Field Theory" in the University level Workshop on "Advanced Abstract Algebra" in the Department of Mathematics, Sant Gadge Baba Amravati University, Amravati on 16-17 March 2019.
- 7) Delivered a talk on "Introduction to Finite Automata" in the University level Workshop on "Recent Trends in Mathematics" held at Department of Mathematics, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon on 03 March 2019.
- 8) Delivered a talk on "Arithmetical Functions" in the National Workshop on "Number Theory" held at Dr G. R. Rathod's, Arts and Science College Murtizapur Dist. Akola on 19 January 2019.
- 9) Delivered a talk on "Applications of Fuzzy Theory" in the National Seminar in Statistics held at the Department of Statistics, University of Mumbai, Mumbai on 23 March 2019.
- 10) Delivered a talk on "Field Theory" in the University level Workshop on "Advanced Abstract Algebra" in the Department of Mathematics, Sant Gadge Baba Amravati University, Amravati on 16-17 March 2019.
- 11) Delivered a talk on "Introduction to finite automata" in the University level Workshop on "Recent Trends in Mathematics" held at Department of Mathematics, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon on 03 March 2019.
- 12) Delivered an invited talk on "Fuzzy Sets, Grammars and Languages" in the International Conference on Mathematical Sciences and Applications held at Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh on 24 February 2018.
- 13) Delivered a lecture on "Introduction to Soft Sets, Rough Sets, Fuzzy Sets and Their Applications", in the National Workshop on Algebra and Its Applications at Department of Mathematics, Dr. B. A. M University, Aurangabad on 18 March 2017.
- 14) Delivered a lecture on "Role of Fuzzy Set Theory in Individual Choice", in the National Conference on Discrete Mathematics at Department of Mathematics, Savatribai Pule Pune University, Pune on 22 Feb. 2017.
- 15) Delivered a lecture on "Finite Automata: Background and Algebraic Aspect", in the National Conference on "Recent Advances in Mathematics" at Yogeshwari Mahavidyalaya, Ambajogai on 11 Feb. 2017.
- 16) Delivered a lecture on "Fuzzy Switching Functions and their Minimizations", in the National Conference on "National Conference on Recent Advances in Mathematical Sciences" at Sant Gadge Baba Amravati University, Amravati on June 17, 2016.
- 17) Delivered an invited lecture in the "National Conference on Recent Trends in Applied Sciences" at M. J. College Jalgaon on "Fuzzy set Theory on Jan. 30, 2015.
- 18) Delivered an invited lecture in the "National Conference on Recent Advances in Mathematics" at Deogiri College, Aurangabad on "Role of Non-classical Logic in the Development of Mathematics" on 24, Dec. 2014.

- 19) Delivered an invited lecture in the "Pre Science Congress 2014, Conference on Science and Technology for Human Development at Department of Mathematics, Dr. B. A. M. U. Aurangabad on "Individual Choice: A Mathematical Approach" on Dec. 30-31, 2014.
- 20) Participated and delivered a lecture in the 5th National Conference Engineering Applications of Mathematics at MIT, Academic of Engineering, Alandi, on 06 June 2014.
- 21) Participated and delivered a lecture in the National conference on Mathematics and its Applications at Govt. Engineering College, Amravati on 09 May 2014.
- 22) Participated and delivered a lecture in the National Conference on Fuzzy Mathematics and its Applications at Sadguru Gadge Maharaj College, Karad on 05-06 Feb. 2014.
- 23) Delivered a lecture on "Introduction to Fuzzy Logic", National Conference on Recent Trends in Pure and Applied Mathematics, at Science College Nanded (MS), 9-11 Jan. 2014.
- 24) Delivered a lecture on "Introduction to Fuzzy Group Theory", State level Conference on Recent trends in Mathematics and its Applications, GDN Arts, KRN Commerce and MD Science College Jamner, Dist: Jalgaon. 16-17 Dec. 2013.
- 25) Delivered a lecture on "Automata Languages and Grammars", National Conference on Advances in Computational Mathematics, Vankatrao Patil Mahavidyalaya, Vijapur, Aurangabad 28 Sept., 2013.
- 26) Delivered a lecture on "An Introduction to Fuzzy Mathematics", National Conference at Modern College, Pune, March 29, 2012.
- 27) Delivered a lecture on "Fuzzy Sets and their Applications", National Conference, Rajeshi Shahu Collage, Latur, Feb. 24, 2011.
- 28) Delivered a lecture on "Fuzzy automata and semi groups", Mathematical Aspects of Physical Concepts and Physical Aspects of Mathematical Concepts" At Shri S.H. Kelkar College of Arts, Commerce & Science, and Deogad, Maharashtra on 16-17 Jan. 2010.

II) Refresher courses /STTP: 16

- 1) Delivered 04 lectures in the Refresher course in Mathematics conducted by Department of Mathematics, KBC NMU Jalgaon organized by HRDC, S.P.P.U. Pune during 19 Aug 2019 to 01 Sept. 2019.
- 2) Worked as a resource person for Refresher course in ICT held at HRDC, Amravati on 28 August 2020
- 3) Delivered four lectures on "Introduction to finite automata (02 Lectures)", Introduction to Fuzzy Set and Logic (02 Lectures)", in the Refresher courses in Mathematics at Department of Mathematics, School of Mathematical Sciences, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon organized by the UGC-Human Resource Development Center, Savitribai Phule Pune University, Pune on 19 August 2019 and 29 August 2019.
- 4) Delivered two lectures on "Mathematics of Fuzzy Sets", in the Refresher courses in Basic Sciences at UGC-Human Resource Development Center, Sant Gadge Baba Amravati University, Amravati on 25 October 2018.

- 5) Delivered two lectures on “Mathematics of Rough Sets”, in the Refresher courses in Basic Sciences at UGC-Human Resource Development Center, Dr. BAMU, Aurangabad 07 July 2017.
- 6) Delivered two lectures on “Fuzzy Mathematics”, in the Refresher courses in Mathematics/Statistics (MD) at UGC-Human Resource Development Center, Dr. BAMU, Aurangabad 03 March 2015.
- 7) Worked as a recourse person for the Refresher Course in Basic Science and delivered 02 lectures on “Fuzzy Sets and Rough Sets” at Sant Gadge Baba Amravati University, Amravati on 04 Nov. 2014.
- 8) Delivered a lecture “Introduction to fuzzy sets and applications in engineering”, in STTP, Govt. Engineering college, Jalgaon 30 Dec. 2013.
- 9) “Fuzzy Sets, Logic and Applications”, in Refresher courses at SGB University, Amravati 25 December 2013.
- 10) Delivered 02 lectures “Introduction to Fuzzy Mathematics”, in Refresher courses at Dr. BAMU, Aurangabad 21 and 23 December 2013.
- 11) Delivered a lecture “Fuzzy Sets and Fuzzy Logic: Mathematical Overview”, Refresher courses at Dr. BAMU, Aurangabad 12 Sept 2012.
- 12) Delivered a lecture “Topics in Fuzzy Mathematics” in Refresher courses at SGB University, Amravati on 30 July, 2012.
- 13) Delivered 04 lectures “Topics in Fuzzy Mathematics” in Refresher courses at SGB University, Amravati on 11-12 Oct. 2010.
- 14) Delivered a lecture “Fuzzy Set Theory” in STTP at Kasibai Navale College of Engg., Pune on 10, July 2010.
- 15) Delivered two lectures “Fuzzy Sets and Fuzzy Logic” in Refresher courses at SGB University, Amravati on 09-10 June 2009.
- 16) Delivered a lecture “Developments in Choice Theory” in STTP at J. J. Magdum College of Engg, Jaisingpur on 24 Dec. 2008.
- 17) Delivered a lecture “Fuzzy Logic” in STTP at K. J. Samayya College of Engg. Mumbai on 03 July, 2006.

III) NET/SET Workshops:

- 1) Delivered a lecture on “ED, PID and UFD” for SET/NET aspirants in the workshop at Dept. of Maths., KBCNMU, Jalgaon on 12 December 2018.
- 2) Delivered a lecture on “Algebra” for SET/NET aspirants in the workshop at Dept. of Maths., SRT University, Nanded on 10 June 2018.
- 3) Delivered a lecture on “Real Analysis” for SET/NET aspirants in the workshop at Dept. of Maths., M. J. College, Jalgaon on 03 Dec. 2017.
- 4) Delivered two lectures on “Linear Algebra” at P. O. Nahata College, Bhusawal on 02 March 2017.
- 5) Delivered a lecture on “Logical Reasoning” for SET/NET aspirants in the workshop at Dept. of Defense and Strategic Studies, School of Arts and Humanities, NMU Jalgaon on 19 Jan. 2017

- 6) Delivered a lecture on "Measure and Integrations", NET/SET workshops at Department of Mathematics GVISH, Amravati, 30-31 March **2012**.
- 7) Delivered a lecture on "Topics in Real Analysis" NET/SET workshops at NMU Jalgaon 10-11 Dec. **2011**.
- 8) Delivered a lecture on "Biquadratic forms" NET/SET workshops at Shivaji University, Kolhapur, **2010**.
- 9) Delivered a lecture on "Algebra" NET/SET workshops at SRT University, Nanded 31 Aug-01 Sept. **2009**.
- 10) Delivered a lecture on "Group Theory" NET/SET workshops at Shivaji University, Kolhapur, **2009**.

IV) Others (General Lectures Delivered):

- 1) Delivered a lecture on "Positive Attitude" at Arts and Science College Bhalod in the event of Inauguration of "Science Mandal" on 28 August **2017**.
- 2) Delivered two lectures on "Constructible Numbers" at Department of Mathematics, M. J. College, Jalgaon 14, Oct. **2017**.
- 3) Delivered two lectures on "Fuzzy Mathematics" and a Lecture on "Constructible Numbers" at Department of Mathematics, Dr. B. A. M University, Aurangabad under the scheme of "Lectures of Eminent Mathematicians", 10 Feb. **2017**.
- 4) Delivered a lecture on "History of Mathematics", as a resource person in the Workshop for T. Y. B. Sc. students of Jalgaon city at Annasaheb G. D. Bendale Mahila Mahavidyalaya, Jalgaon on 2 Feb. **2017**.
- 5) Delivered a guest lecture on "General Concepts of Topology and its Applications" at Department of Mathematics, S. G. B. Amravati University, Amravati on 22 Sept. **2016**.
- 6) Delivered a lecture on "Carrier Guidance" for H. Sc. students at Arts, Science and Commerce College, Bodwad, June 10, **2014**.
- 7) Delivered a lecture on "Fuzzy Sets and Fuzzy Logic", at Department of Mathematics, Dr. B. A. M University, Aurangabad 08 April, **2013**.
- 8) Worked as a resource person and delivered a lecture "Recent Developments in Mathematics" in the Annual Conference of SUMS at Smt. Kasturbai Walchand College Sangli, Dist. Kolhapur on 11 March, **2012**.
- 9) Worked as a resource person for One Day Workshop on "Guidance for Entrance Examination" at Balwant College Vita, Dist. Kolhapur on 04 Feb. **2012**.
- 10) Delivered a lecture on "Introductory MATLAB" in the Workshop on Mathematical Software's, at Department of Mathematics, Rajaram College, Kolhapur on 29 Sept. **2011**.
- 11) Worked as a resource person for One day workshop on Revised Syllabus at B.Sc. II for the topic "Division Algorithm" at K. B. Patil College Uran-Islampur Dist. Kolhapur on 27 Aug. **2011**.
- 12) Delivered a lecture on "Scope for research and Job Opportunities" at Sant Rawool Maharaj College on 28 Feb. **2011**.
- 13) Delivered a lecture on "Guidance to Mathematics Graduate about Competitive/Entrance Examinations" under lead college activities at SGM College Karad, 07 Jan. **2011**.
- 14) Delivered two lectures on "MATLAB" in the Workshop on Mathematical Software's, at Department of Mathematics, Rajaram College, Kolhapur on 17 Dec. **2010**.

- 15) Delivered a lecture on “Mathematical Modelling: Choice in Economics” in the SUMS Annual Conference at Ichalkaranji ,2010.
- 16) Delivered a series of Lectures on “Fuzzy sets, Logic and Applications” at Bharti Vidyapith College of Management, Kadamwadi, Kolhapur, 2009.
- 17) Delivered three lectures on “Ring Theory” in the workshop on “Algebra and Analysis” for TYBSC students at the Department of Mathematics, Shivaji University, Kolhapur., 2008.
- 18) Delivered series of lectures on “Vector algebra” for external students of YCMOU at Govt. Poly. College Kolhapur., 2007.
- 19) Delivered a course on “Fuzzy Mathematics: Engineering applications” at Bharti Vidyapith Engg. College, Kolhapur, 2006.
- 20) Delivered a lecture on “Rough Sets: An Introduction” at Marathwada Mathematical Society, Aurangabad on 15 Jan.2005.
- 21) Delivered a lecture on “Fuzzy Sets and Fuzzy Logic” at Marathwada Mathematical Society, Aurangabad on 20 March 2004
- 22) Delivered six lectures on Modern Algebra in the “Short term Workshop on Algebra and Analysis” at Department of Mathematics, Shivaji University, Kolhapur on 21-29 Feb 2000.
- 23) Delivered a series of Lectures on “Fuzzy Mathematics” at Warna Engineering College, Warnanagar, 1999.

Any other Information:

- BOS member (Nominated under 40(2) (d) (ii)) of Autonomous Zunzunwala College Mumbai, since 2019.
- BOS member (Nominated under 40(2) (d) (ii)) of Autonomous M. J. College Jalgaon, since 2019.
- Participated as a Chairman BOS for S. Y. B. Sc. syllabus framing workshop at ACS College Shahada on 14 March 2019.
- Worked as a committee member of the Academic Audit Committee of Dr BAMU. Aurangabad at Rafiqe Zakaria Women’s College, Navkhanda, Aurangabad on 1 March, 2019.
- BOS member (Nominated under 40(2) (d) (ii)) of Dr. B. A. M. Univ. from 18 August, 2018.
- Worked as a committee member of the Academic Audit Committee of SRTM Univ. Nanded at School of Mathematical Sciences on 13 April, 2018.
- Worked as a Member of Program Advisory Committee for M.Sc. Maths. of YCMOU Nasik from 22 Jan., 2018.
- Worked as a committee member of F.Y. B. Tech. Academic Audit Committee of Govt. College of Engineering, Jalgaon on 25 April, 2017.

Prof. S. R. Chaudhari