

RESUME



Dr. Machchhindra Tolaji Gophane
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Administrative Details:

1. Head: Department of Mathematics, Shivaji University, Kolhapur.
2. Coordinator: Ahilyadevi Holkar Adhyasan, Shivaji University, Kolhapur.
3. Coordinator: Online M. Sc. (Mathematics) of Distance Education, Shivaji University, Kolhapur.
4. President: Shivaji University Mathematical Society (SUMS).

ACADEMIC DETAILS:

1. Doctor of Philosophy (Mathematics)

University: University of Pune, Pune, Maharashtra, India

Ph. D. Supervisor: Professor Vilas Kharat

Thesis Title: Some Aspects of Reducibility in Posets. Year: 2013

2. Master of Science (M. Sc.) Mathematics

University: University of Pune, Pune, Maharashtra, India.

Percentage Obtained: 61.95 (Aggregate) Year: 2002

3. National Eligibility Test (NET)

University: CSIR, New Delhi. Qualified: December 2001

4. Bachelor of Education (B.Ed.)

University: University of Pune, Pune, Maharashtra, India.

Percentage Obtained: 69.55 Year: 2001

5. Bachelor of Science (B. Sc.)

University: University of Pune, Pune, Maharashtra, India.

Percentage Obtained: 60.58 (Aggregate) Year: 1999

RESEARCH SPECIALIZATION:

Lattice Theory, Discrete Mathematics

TEACHING EXPERIENCE: 23 Years

1. Post Graduate: Professor in Mathematics at Department of Mathematics, Shivaji University, Kolhapur, since March 19, 2025.
2. Post Graduate: Associate Professor in Mathematics at Department of Mathematics, Shivaji University, Kolhapur, since March 18, 2019 to March 18, 2025.
3. Post Graduate: Assistant Professor in Mathematics at Department of Mathematics, Shivaji University, Kolhapur, since March 18, 2005 to March 17, 2019.
4. Under Graduate: Lecturer in Mathematics at S.T.E. Society's Sinhgad College of Science, Vadgoan(BK), Pune, July 8, 2002 to March 17, 2005.

Courses Taught:

Undergraduate Level:- Discrete Mathematics, Linear Algebra, Computational Geometry, Algebra, Calculus, Numerical Methods.

Postgraduate level:- Algebra, Advanced Calculus, Differential Equations, Numerical Analysis, Linear Algebra, Partial Differential Equations, Discrete Mathematics, Complex Analysis, Measure and Integration, Lattice Theory, Combinatorics, Fuzzy Mathematics, Discrete Mathematical Structure.

Research Guidance for Ph. D.: Awarded: 02, Submitted: 00, Working: 04

1. Shinde D. N. : " A Contribution to the Theory of Ternary Algebraic Systems"
2. Kazi Mansoorali A Aziz: " Some Aspects of Fractional Integrodifferential Equations"

Research Guidance for M. Sc.: Awarded:12 Working: 12

Research Publications:

1. On Weakly Primary Elements in Multiplicative Lattices, ***Southeast Asian Bulletin of Mathematics*** (Southeast Asian Math. Soc.), 40(1) (2016), 49 -57 (with Sachin Ballal and Vilas Kharat)
2. On Topological Space of Ternary Semigroups, Stochastic Modeling and Applications 22(2) (2018), 111-120. (With D. N. Shinde, V. V. Kharat)
3. A Note on ZI-Lattices, *International Journal of Research and Analytical Reviews* (IJRAR) 6(1) (2019), 343-348. (with Vilas Kharat)
4. A Note on Molecular Posets, *International Journal of Research and Analytical Reviews* (IJRAR) 6(1) (2019), 25-29.

5. Some Results on Nonlocal Generalized Fractional Integrodifferential Equation, *Stochastic Modeling and Applications* 25(2) (2021), 389-402. (With M. A. Kazi, V. V. Kharat, A. R. Reshimkar, S. D. Thikane)
6. On irreducible pseudo symmetric ideals of a partially ordered ternary semigroup, *Quasigroups and Related Systems* 30 (2022), 169 - 180 (With D. N. Shinde)
7. Some Results on φ -Hilfer Mixed Fractional Integrodifferential Equations, *Stochastic Modeling and Applications* 26(1) (2022), 169-186 (With V. V. Kharat, M. A. Gandhi)
8. An Application of a Generalized Distribution Series on Certain Subclasses of Analytic Functions, *Stochastic Modeling and Applications* 26(1) (2022), 187-194 (With S. D. Bhourgunde, S. D. Thikane, M. G. Shrigan)
9. Some differential subordinations and fuzzy differential subordinations using generalised integral operator, *Italian Journal of Pure and Applied Mathematics*, N. 48-2022, 830-842 (2022) (With U. H. Naik, R. M. Shaikh, Abbas K Wanas)
10. On Certain Classes of Starlike and Convex Functions Involving Poisson Distribution Series, *GANITA*, Vol.72(2), 2022, 153-164 (With S. D. Bhourgunde, M. G. Shrigan and S. D. Thikane)
11. Some Results on φ -Hilfer Volterra-Fredholm Fractional Integro-Differential Equations, *Journal of Advanced Mathematical Studies*, 16(1), 66-76 (2023) (With V. V. Kharat, Shivaji Tate, M. A. Gandhi)
12. On generalized Hilfer-Type fractional integrodifferential equations with two point and integral boundary conditions, *GANITA* Vol.73(1), 2023, 11-24 (With V. V. Kharat, M. A. Gandhi and V. G. Markad) **(2023-24)**
13. A NOTE ON PSEUDO SYMMETRIC IDEALS OF PARTIALLY ORDERED TERNARY SEMIGROUPS, *Proceedings of "National Conference on Emerging Trends in Science and Advances in Engineering" International Journal of Innovations in Engineering Research and Technology*, 217-221 (With D. N. Shinde) **(2023-24)**
14. Differential Subordinations and Fuzzy Differential Subordinations using Hilbert Space Operator, *South East Asian Journal of Mathematics and Mathematical Sciences*, Vol. 19, No. 2 (2023), pp. 97-112 (With U. H. Naik, R. M. Shaikh) **(2023-24)**
15. On Ideals in Partially Ordered Ternary Semigroups, *RATIO MATHEMATICA* Volume 48, 2023 pp. 464-474 (With D. N. Shinde) **(2023-24)**

16. Existence and uniqueness results for generalized fractional integrodifferential equations with nonlocal terminal condition, Computational Methods for Differential Equations Vol. 12 No. 1, 2024, pp. 89-99 (With V. V. Kharat, A. R. Reshimkar, M. A. Kazi) **(2023-24)**
17. On prime ideal space of a partially ordered ternary semigroup, Creative Mathematics and Informatics, Volume 33 (2024), No. 1, pp. 77 - 85 **(2023-24)** (With D. N. Shinde)
18. Improve Performance of DSR using Fuzzy Logic, IEEE Xplore, 2023 6th International Conference on Advances in Science and Technology (ICAST), pp. 603-606 **(2023-24)** (With J. P. Bhosale, B.T. Jadhav, S. S. Zalte)
19. On pseudo-ideals in partially ordered ternary semigroups, Quasigroups and Related Systems **32 (2024), pp. 41-48** (With D. N. Shinde)
20. Maximal and Minimal Pseudo Symmetric Ideals In Partially Ordered Ternary Semigroups, South East Asian J. of Mathematics and Mathematical Sciences, **20(2) (2024-25), pp. 121-132** (With D. N. Shinde)
21. Ordered Pseudo-ideals of an Ordered Ternary Semigroup, Indian Journal of Science and Technology, **18(4) (2024-25), pp. 281-286** (With D. N. Shinde, M. C. Aglave) DOI: <https://doi.org/10.17485/IJST/v18i4.3500>
22. On Nonlocal Iterative Fractional Terminal Value Problem via Generalized Fractional Derivative, Punjab University Journal of Mathematics **(2024), 56(7), 334-347** (With M. A. Kazi, V. V. Kharat, A. R. Reshimkar) DOI: [https://doi.org/10.52280/pujm.2024.56\(7\)01](https://doi.org/10.52280/pujm.2024.56(7)01)
23. Existence and Uniqueness Solution for Generalized Caputo Proportional Fractional Derivative with Three Point Boundary Conditions, Tanz Research Journal, **(June 2025) 11(6), 713-726**. (With M. A. Kazi, V. V. Kharat, A. S. Dhone, A. R. Reshimkar)
24. Existence and Uniqueness Theorems for Differential Equations with Proportional Delay, Computational Methods for Differential Equations **13(2), 904-918 (2025)** (with Prajakta Rajmane, Jayvant Patade) DoI: 10.22034/cmde.2024.57553.2415
25. Qualitative Analysis of Fractional Differential Equations with Proportional Delay, Fractional Differential Calculus **15(1), 159-175 (2025)** (with Prajakta Rajmane, Jayvant Patade)

26. Prime pseudo symmetric ideal of a partially ordered ternary semigroup, Southeast Asian Bulletin of Mathematics (2025) **49**, 515-524 (With D. N. Shinde)
27. Analysis of Mixed Fractional Integrodifferential Equation with Deviating Argument via Monotone Iterative Technique, Bulletin of the Paranaense Mathematical Society (2025) **43**, 1-11 (With V. V. Kharat, M. A. Kazi, A. R. Reshimkar) doi:10.5269/bspm.68631
28. Real-Time Traffic Signal Optimization Using Semigroup Actions, Advances and Applications in Discrete Mathematics(Accepted) (With D. N. Shinde)

BOOKS AUTHORED:

1. Advanced Discrete Mathematics, Shivaji University, 2009 (with C. S. Manjarekar), (ISBN: 978-81- 8486-261-8).
2. Linear Algebra, Shivaji University Press,2014 (ISBN:978-81-8486-528-8).
3. Numerical Analysis, Shivaji University, 2014 (with S. H. Thakar) (ISBN:978-81-8486-538-7).
4. Advance Discrete Mathematics, Shivaji University, 2014, (with J. R. Thorwe)(ISBN: 978-81-8486-669-8).
5. Combinatorics for Part-II Sem-III, Shivaji University, 2017 (ISBN: 978-81-8486-691-9)
6. Discrete Mathematics, Yashwantrao Chavan Maharashtra Open University Nashik, (with K. F. Pawar) (ISBN: 978-93-95855-12-9)
7. Algebra, Shivaji University, 2023 (ISBN: 978-81-8486-080-1)
8. Combinatorics for Part-I Sem-I (NEP-2020), Shivaji University, 2023 (ISBN:978-81-8486-691-9).
9. Fuzzy Relation and Logic, for Part-II Sem-IV (NEP-2020), Shivaji University, (with G. D. Shelake) (ISBN:978-93-49570-92-4).
10. Research Methodology for Part-I Sem-I (NEP-2020), Shivaji University, (with K. D. Kucche, G. D. Shelake, J. R. Thorwe) (ISBN: 978-93-49570-90-0).
11. Advanced Discrete Mathematics, for Part-II Sem-III (NEP-2020), Shivaji University, 2024, (with J. R. Thorwe)(ISBN: 978-93-49570-12-2).

RESEARCH PAPER PRESENTED/ INVITED TALKS AT CONFERENCES:

International Conferences:

1. International Conference on recent Advances in Mathematical Sciences, organized by Calcutta Mathematical Society, Kolkata, W.B. (December-2011).
2. 77th Annual Conference of Indian Mathematical Society, S. R. T. M. University, Nanded, December 27-30, 2011.
3. International Conference of Mathematical Sciences, organized by SSES Amt's Science College Nagpur (December- 2012).
4. 3rd International Conference on Discrete Mathematics, Karnatak University, Dharwad, June 10-14, 2013.
5. International Conference on Recent Advances in Mathematics, R. T. M. Nagpur University, Nagpur, January 20-23, 2014.
6. International Conference on Emerging Trends in Mathematical Sciences, Vijaynagara Sri Krishnadevaraya University, Bellary, Karnataka, July 25-26, 2014.
7. International Conference on Mathematical Sciences, S. G. M. College, Karad, Satara, September 15-16, 2015.
8. 84th Annual Conference of Indian Mathematical Society: An International Meet Shri Mata Vaishno Devi University, Katra, Jammu and Kashmir, November 27-30, 2018.
9. International Conference on 'Advances in Computational Sciences' at Y. C. Institute of Science, Satara, 2022.(Session Talk)
10. Delivered invited talk in 3rd International Conference-2023, Multidisciplinary Approach in Basic and Applied Science(MABAS-2023), Organized by P. D. V. P. Mahavidyalaya, Tasgaon, Sangli (23-24 February 2023)
11. 89th Annual Conference of Indian Mathematical Society: An International Meet (IMS 2023), Department of Mathematics, BITS-PILANI, Hyderabad campus, December 22-25, 2023(Paper)
12. International Conference on Recent Trends in Mathematics and Statistics (ICRTMS-2025), Organized by School of Mathematical Sciences, KBCNM University, Jalgaon, February 7-8, 2025 (Talk)
13. International Conference on Recent Advances in Engineering and Sciences-2025, Organized by Bharati Vidyapeeth's College of Engineering, Lavale Pune, April 22-23 2025 (Paper)

National Conferences:

1. Indian Mathematical Society's 73rd Annual Conference at Department of Mathematics, University of Pune, College of Engineering, Pune and Ferguson College Pune, December 27-30, 2007.
2. 7th Annual Conference of Advanced Discrete Mathematics Academy, at National Institute of Technology, Calicut, Kerala (June-2011).
3. National Conference on Current Practices in Mathematics, Statistics and Actuarial Science, held at School of Mathematical Sciences, North Maharashtra University, Jalgaon, March 7-8, 2013.
4. National Conference on Algebra, Analysis and Fuzzy Mathematics, held at School of Mathematical Sciences, North Maharashtra University, Jalgaon, February 21-22, 2014. (Session Talk)
5. National Conference on Recent Analysis and Applications in Discrete mathematics, Raja Lakhamagouda Science Institute, Belgavi Belgavi, 2015.
6. National Conference on Recent Trends and Innovations in Research Field of Science, Humanities and Languages at Willingdon College Sangli, 2019.
7. National Conference on Recent Developments in Pure and Applied Mathematics at Y. C. Institute of Science, Satara, 2019.(Session Talk)
8. National Conference on Modern and Computational Mathematics (NCMCM-2020) at Y. C. Institute of Science, Satara, 2020.(Session Talk)
9. Delivered invited talk in One Day National Seminar on Applied Mathematics, Department of Mathematics, Balwant College, Vita. (September 2020)
10. National Conference on ' Recent Trends in Mathematics and Statistics (RTMS-2022), D. P. Bhosale College, Koregaon, Satara. (Invited Talk)
11. National Conference on ' Abstract, Applied and Computational Mathematics (NCAACM-2023), Department of Mathematics and General Science, N. B. Navale Sinhgad College of Engineering, Kegaon-Solapur.
12. 2nd National Conference on Science and Technology for Sustainable Development, Jaysingpur College, Jaysingpur (16th December 2023).

SESSION CHAIRED

International Conferences:

1. 1st International Conference on Physics, Mathematics, Geology and Engineering Sciences, ITSPM'S, Arts Science and Commerce College Indapur, Pune, 18 March 2013.

2. Two Days Online International Conference on Advances in Science and Technology, R. C. S. College, Kolhapur, March 10, 2022.
3. International Conference on 'Advances in Computational Sciences' at Y. C. Institute of Science, Satara, 2022.
4. International Conference on Algebra and Discrete Mathematics (ICADM 2022), Department of Mathematics, Savitribai Phule Pune University, Pune, May 26–28, 2022.
5. International Conference on "Advancement and Emerging Trends in Sciences" Dahiwadi College Dahiwadi, January 8-10, 2025.

National Conferences:

1. National Conference on Algebra, Analysis and Fuzzy Mathematics, held at School of Mathematical Sciences, North Maharashtra University, Jalgaon, February 21-22, 2014.
2. National Seminar on Differential Equations and Dynamical Systems-2017, Department of Mathematics, Shivaji University, Kolhapur, February 27-28, 2017.
3. National Conference on Advances in Differential Equations-2018, Vivekanad College, Kolhapur.
4. National Conference on Recent Developments in Pure and Applied Mathematics at Y. C. Institute of Science, Satara, 2019.
5. National Conference on Mathematical Analysis and Applications- 2022, Department of Mathematics, Shivaji University, Kolhapur, March 21-22, 2022.
6. One Day Online National Conference on 'Recent Advances in Mathematics-2022, D. K. A. S. and C. College, Ichalkaranji.
7. National Conference on Recent Trends in Mathematical Sciences at Y. C. Institute of Science, Satara, 2024.

INVITED TALKS

1. Worked as Resource Person for State Level Seminar held at Pethwadgoan.
2. Worked as Resource Person for 22nd Annual Conference of SUMS held at Vita (9-10 March 2015).
3. Worked as Resource Person for 24th Annual Conference SUMS held at Jath.
4. Worked as Resource Person for workshop on Mathematics in Nature, held at Rajaram College, Kolhapur.

5. Worked as Resource Person for in NSS Camp at R. C. S. College, Kolhapur.
6. Delivered lecture to M. Sc. Mathematics Students on NET/ SLET preparation at Department of Mathematics, R. L. Science Institute, Belgaum (8-9 October 2013).
7. Delivered lecture to B. Sc. Mathematics Students on Career Opportunities in Mathematics at Department of Mathematics, R. C. S. College, Kolhapur (April 2016).
8. Delivered lecture to M. Tech Civil-Construction Management Students on Graph Theory at Department of Science and Humanities, Rajarambapu Institute of Technology (April 2016).
9. Worked as Resource Person for National Mathematics Day, at Department of Mathematics, Solapur University, Solapur.(2016)
10. Worked as Resource Person for B. Sc. Syllabus workshop held at Pethwadgoan.(2016)
11. Worked as Resource Person for B. Sc. Students at Adv. Mohanrao Nanasaheb Deshmukh, Arts Science and Commerce College Rajur. (2017)
12. Worked as Resource Person for lecture series in Y. C. Institute of Science, Satara. (2017)
13. Worked as Resource Person for NET/ SET workshop at S. G. M College, Karad. (2017)
14. Worked as Resource Person for NET/ SET lecture series in Y. C. Institute of Science, Satara.(March 2017)
15. Worked as chief guest for State level Ramanujan Quiz and Model presentation at Willingdon College, Sangli. (2017)
16. Worked as Resource Person and chairperson at 24th Annual Conference SUMS held at Raje Ramrao Mahavidyalaya, Jath (March 2017)
17. Delivered invited talks in Two weeks Faculty Development Programme on Advances in Applied Mathematics Engineering, in Department of Mathematics, Government College of Engineering, Karad (11-22 December 2017)
18. Worked as Resource Person for "National Mathematics Day" organized by Department of Mathematics, School of Computational Sciences, Solapur University, Solapur (22 December 2017)
19. Delivered invited talk on Algebra, organized by Department of Mathematics, Y. C. Institute of Science, Satara. (October 2018)
20. Worked as Resource Person 25th Annual Conference SUMS held at P. D. V. P. College, Tasgoan.(February 2019)

21. Delivered invited talk in Two Days National Level Workshop on LaTeX, Department of Basic Sciences and Civil Engineering, Annasaheb Dange College of Engineering and Technology, Astha, Sangli. (June-2019)
22. Worked as Resource Person Examiner for Avishkar Research Convention 2019-20 at Balwant College Vita.
23. Delivered invited talk in on Group and Rings, in Department of Mathematics, School of Computational Sciences, Punyashlok Ahilyadevi Holkar Solapur University, Solapur (December -2019)
24. Delivered invited talk in on Advances in Mathematics, in Department of Mathematics, Vivekanad College, Kolhapur (December -2019).
25. Worked as Resource Person National conference on Modern and computational Mathematics, (26th Annual Conference) collaboration with SUMS and held at Y. C. Institute of Science, Satara.
26. Delivered invited talk in Three Days National Webinar on Advances in Mathematics, Department of Mathematics, Shrikrishna Mahavidyalaya, Gunjoti, Osmanabad. (July 2020)
27. Delivered invited talk in Three Days National Webinar on Advances in Mathematics, Department of Mathematics, Balwant college Vita, Karad, Satara.
28. Delivered invited talks in STTP programme, organized by Department of Mathematics, Government College of Engineering, Aurangabad. 2020-21
29. Delivered invited talk in One Day Workshop on New syllabus of M. Sc. Part-II, Semester-III, organized by Department of Mathematics, Shivaji University, Kolhapur (January-2021)
30. Delivered invited talk in One Day National Workshop on Differentiation and Abstract Algebra, organized by Department of Mathematics, Jaysingpur College, Jaysingpur. 2020-21
31. Delivered invited talk in Research Training programme, organized by Rayat Institute of Research and Development, Satara. (July 2021).
32. Delivered invited talk in Research Training programme, organized by Rayat Institute of Research and Development, Satara. (March 2022).
33. Delivered invited talk on Research in Lattice, organized by Department of Mathematics, Y. C. Institute of Science, Satara. (March-2022)
34. Delivered invited talk on Career Opportunities after B. Sc. , organized by Shardabai Pawar Mahila Arts, Commerce and Science College, Baramati, 2021-22.

35. Delivered invited talk in One Day state level online Seminar on Career Opportunities in Physics, Mathematics and Statistics , organized by Raja Shripatrao Bhagawantrao Mahavidyalay, Aundh (Satara) 2021-22.
36. Delivered invited talk in One Day National Student Symposium on Empirical Advances in Science and Technology, organized by Ghali College, Gadhiglaaj, 2021-22.
37. Delivered invited talk in Research Training programme, organized by Rayat Institute of Research and Development, Satara. 2022-23
38. Worked as chief guest for Poster Presentation, organized by The New College, Kolhapur (May 2022)
39. Delivered invited talk on Introduction to Algebra in the Department of Mathematics, Karmaveer Bhaurao Patil Mahavidyalaya, Pandharpur. (26/11/2022)
40. Delivered invited talk on Algebra and its Applications in the Department of Mathematics, Vivekanand College, Kolhapur. (08/03/2023)
41. Delivered invited talk in 'One Day Workshop on New syllabus of M. Sc. Mathematics Part-I (NEP-2020)', organized by Department of Mathematics, Shivaji University, Kolhapur. (14/10/2023)
42. Delivered invited talk in 'One Day Workshop on New syllabus of M. Sc. Mathematics Part-II (CBCS-NEP-2020)', organized by Department of Mathematics, Willingdon College, Sangli. (20/10/2023)
43. Delivered invited talk on 'Abstract Algebra', organized by Department of Mathematics, Jaysingpur College, Jaysingpur. (29/01/2024)
44. Delivered invited talk on 'Algebra', organized by School of Mathematical Sciences, S. R. T. M. University, Nanded. (02/03/2024)
45. Delivered invited talk on 'Research Project', organized by Department of Mathematics, Y. C. Mahavidyalaya, Warnanagar. (27/12/2024)
46. Delivered invited talk on 'Linear Algebra', organized by Department of Mathematics, Mudhoji College, Phaltan. (08/01/2025)
47. Delivered invited talk on 'Linear Algebra and its Applications', organized by Department of Mathematics, T. C. College, Baramati. (09/01/2025)
48. Delivered invited talk on Algebra and its Applications in the Department of Mathematics, Vivekanand College, Kolhapur. (03/04/2025)

MEMBERSHIP/ Coordinator:

1. Life member of Indian Mathematical Society (IMS).
2. Life member of Shivaji University Mathematical Society (SUMS).
3. Member, Board of Studies in Mathematics, Shivaji University, Kolhapur (2017-2022) (2022-2027).

4. Member, Board of Studies in Mathematics, Tuljaram Chaturchand College, Baramati (Autonomous) (2017-2021).
5. Member, Board of Studies in Mathematics, Rajarshi Shahu Mahavidyalaya, Latur (Autonomous) (2017-2021), (2021-2024), (2024-25 to 2026-27)
6. Member, Board of Studies in Mathematics, St. Mira's College for Girls, Pune(Autonomous). (2020-2023), (2023-2026)
7. Member, Board of Studies in Mathematics, Vivekanad College, Kolhapur (Autonomous) (2021-22 to 2024-25).
8. Member, Board of Studies of Mathematics, K. B. P. College, Pandharpur (Autonomous) (2022-2025).
9. Member, Board of Studies in Mathematics, Karmaveer Bhaurao Patil University, Satara (2024-25 to 2026-27).
10. Member, Board of Studies of Mathematics, Willingdon College, Sangli (Autonomous) (2024-25 to 2026-27).
11. Member, Board of Studies in Mathematics, Haribai Desai College, Pune (Autonomous) (2024-25 to 2026-27).
12. Member, RAC in Mathematics, Shivaji University, Kolhapur (2020-2023, 2023-2025)
13. Member, RAC in Mathematics, Punyashlok Ahilyadevi Holkar Solapur University, Solapur (2022-2024)
14. Member, DRC in Mathematics, Shivaji University, Kolhapur (2020-2023, 2023-2025)
15. Member, DRC in Computer Science, Shivaji University, Kolhapur (2023-2025)
16. Member, Student Grievance Committee, Department of Mathematics, Shivaji University, Kolhapur (Since 2019).
17. Exam Coordinator, Department of Mathematics, Shivaji University, Kolhapur (February 2013 to 2018)
18. Chairman, M. Sc. Mathematics/ M. Sc. (Industrial Mathematics with Computer Applications) Examination, Shivaji University, Kolhapur (Since January 2013).

Workshops/ Conferences Conducted:

1. National Conference on Dynamical Systems-2013, Department of Mathematics, Shivaji University, Kolhapur, December 23-24, 2013.
2. UGC Sponsored Remedial Coaching for SC/ST and Minority students, Department of Mathematics, Shivaji University, Kolhapur.

3. UGC Sponsored Coaching for SC/ST and Minority students for NET aspirants, Department of Mathematics, Shivaji University, Kolhapur.
4. Workshop on Mathematical software's to M. Sc./Ph. D. Students, Department of Mathematics, Shivaji University, Kolhapur.
5. National Workshop on Algebra-2015, Department of Mathematics, Shivaji University, Kolhapur, December 21-26, 2015.
6. National Seminar on Differential Equations and Dynamical Systems-2017, Department of Mathematics, Shivaji University, Kolhapur, February 27-28, 2017.
7. National Workshop on Linear Algebra-2017, Department of Mathematics, Shivaji University, Kolhapur, 28 February - 05 March, 2018.
8. 25th Annual Conference of Shivaji University Mathematics Society (SUMS) at D. P. V. P. College, Tasgoan 2019.
9. 26th Annual Conference of Shivaji University Mathematics Society (SUMS) at Y. C Institute of Science, Satara, 2020.
10. 27th Annual Conference of Shivaji University Mathematics Society (SUMS) at N. B. NAVALE SINHGAD COLLEGE OF ENGINEERING, Solapur 2021.
11. National Conference on Mathematical Analysis and Applications- 2022, Department of Mathematics, Shivaji University, Kolhapur, March 21-22, 2022.
12. 'One Day Workshop on New syllabus of M. Sc. Mathematics Part-I (NEP-2020)', at Department of Mathematics, Shivaji University, Kolhapur. 14/10/2023
13. National Conference on Applicative Mathematics - 2025, Department of Mathematics, Shivaji University, Kolhapur, March 03-04, 2025.

Workshops/ Conferences attended:

1. National Workshop on Emerging Frontiers in Combinatorial Optimization at Department of Mathematics, University of Pune, Pune, 2002.
2. Computational Methods in Mathematics at Department of Mathematics, University of Pune, Pune, 2003.
3. Four Day Training Programme in C- Language for Mathematics Teachers at Modern College, Pune, 2003.
4. Workshop on Dr. Kosambi on Science and Society, organized by Centre of Nehru Studies, Shivaji University, Kolhapur (29-30 August 2008)

5. Two Days State Level Workshop on De-notified and Nomadic Tribes, organized by Centre for the study of Social Exclusion and Inclusive Policy, Shivaji University, Kolhapur (15-16 December 2009)
6. Advanced Training in Mathematics Schools for Lecturers in Algebra and Linear Algebra (Supported by NBHM) at IIT Bombay, Powai, Mumbai. 2006.
7. Advanced Training in Mathematics Schools for Lecturers in Multivariate Calculus (Supported by NBHM) at Department of Mathematics, University of Pune, Pune, 2007.
8. Indian Mathematical Society's 76th Annual Conference at Department of Mathematics, National Institute of Technology, Surat (December-2010).
9. Symposium in Mathematics, Department of Mathematics, University of Pune, Pune, March 2012.
10. National Conference on Discrete Mathematics, Algebra and Analysis, Department of Mathematics, University of Pune, Pune, April 21-24, 2013.
11. Training Workshop for Administrative Staff, Post Graduate Admission Section, Shivaji University, Kolhapur, August 8, 2013.
12. National Conference on Dynamical Systems-2013, Department of Mathematics, Shivaji University, Kolhapur, December 23-24, 2013.
13. National Workshop on Algebra-2015, Department of Mathematics, Shivaji University, Kolhapur, December 21-26, 2015.
14. National Conference on Discrete Mathematics, Department of Mathematics, Savitribai Phule Pune University, Pune, February 20-22, 2017.
15. National Seminar on Differential Equations and Dynamical Systems-2017, Department of Mathematics, Shivaji University, Kolhapur, February 27-28, 2017.
16. National Workshop on Linear Algebra and its Applications -2018, Department of Mathematics, Shivaji University, Kolhapur, 28 February - 05 March, 2018.
17. One Day Workshop on " Student Council Election" , Department of Student Development, Shivaji University, Kolhapur 15th June, 2019.
18. One Day workshop on "Activities of Students' Development Cell", Department of Student Development, Shivaji University, Kolhapur 18th February, 2020.
19. One Day workshop on " Rights and Responsibilities of members as per multistate Co-op.Societies Act,2002" Organized by Shivaji University

and Shree Ravalnath Co-Op. Housing Finance Society Ltd. (October 2021)

Orientation/ Refresher Courses / FDP Attended

1. Refresher Course in Mathematics at Department of Mathematics, University of Pune, Pune (31 March 2008 to 20 April 2008).
2. Orientation Course at Academic Staff College, Kerala University, Thiruvananthapuram, Kerala (20 October 2009 to 16 November 2009).
3. Refresher Programme in Mathematical Sciences, IIT(ISM) Dhanbad, Jharkhand (16 May-5 June 2017).
4. Faculty Development Programme on Innovative Teaching and Research, UWB's Late R. N. Godbole Chair, Shivaji University, Kolhapur, 6-12, March 2018.
5. Faculty Development Programme on Managing Online Classes and CO-Creating MOOCs, Teaching Learning Centre, Ramanujan College, University of Delhi, April 20- May 06, 2020.
6. Faculty Development Programme on LaTeX, RMD Sinhgad School of Engineering, Warje association with IIT Bombay, (28 April 2020 to 02 May 2020).
7. Faculty Development Programme on ICT Tools for Effective Teaching Learning, School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded (27 April 2020 to 02 May 2020).
8. One Week Online Faculty Development Programme on "Overcoming the Challenges in Adapting Online Technology in Teaching Learning", Jhulelal Institute of Technology, Nagpur (06 May 2020 to 11 May 2020).
9. Online Faculty Development Programme on "Moodle Learning Management System" Willigdon College, Sangli and IIT Bombay, (23 May 2020 to 29 May 2020).
10. Faculty Development Programme on "Educational Video Creation (E-content Development)", Bharati Vidhapeeth's College of Engineering, Kolhapur, (05 June 2020 to 10 June 2020).
11. National workshop on Design and Development of Self-Learning Materials for Distance, Online and Blended Learning, STRIDE, INDIRA GANDHI NATIONAL OPEN UNIVERSITY (IGNOU), Delhi (22-28 February 2024)

Other Activities:

1. Worked as coordinator, State Level Nirmal Gram Inspection Committee.
2. Worked as Team manager for State Level NSS competition 'Utkarsh' at University of Pune, Pune.

3. Rector, Boy's Hostel, Shivaji University, Kolhapur(2009-10 and February 2013 to May 2016).
4. Stage Coordinator (Lok Kala Kendra), National Youth Festival, Shivaji University, Kolhapur 10-14 February, 2017.
5. Director, Nominated by Hon. Vice Chancellor to Central Consumer Society, Shivaji University, Kolhapur(2017-18 to 2024-25, 2025-26 to 2030-31)
6. Director, Shivaji University Post Graduate Teachers Co-operative Society, Kolhapur(Since 2008 till date)
7. Vice President, Shivaji University Post Graduate Teachers Co-operative Society, Kolhapur (2017-18 to 2024-25).
8. President, Shivaji University Post Graduate Teachers Co-operative Society, Kolhapur (2025-26 to 2029-30).

M. T. Gophane