



Profile of the Faculty

1. General Information:

Name of the Faculty	:	Prof.(Dr.) Subhash Ishwar Unhale
Name of the Department	:	Mathematics
Educational Qualifications	:	M.Sc., M. Phil., Ph. D.(Gold Medalist), SET
Present Position	:	Professor
Address for Correspondence	:	Flat No. 602, Siddhivinayak Tower CHS Ltd., Plot No. 82, Sector- 19, Kamothe, Navi Mumbai, Dist. Raigad- 410209.
E-mail	:	subhashunhale@gmail.com
Contact Number	:	9920995531
Specialization	:	Analysis, Differential Equations
Total teaching experience	:	20 Years
Courses taught	:	F.Y.B.Sc., S.Y.B.Sc., T.Y. B.Sc., F.Y.B.Com.
Research experience	:	12 Years

2. Publication of Research Papers:

UGC listed journals	:	10
Peer reviewed journals	:	02
Non-peer reviewed journals	:	05
Conference proceedings	:	03

3. List of Publication of Research Papers:

- Hayman Thabet, S.D. Kendre and S.I. Unhale; Numerical Analysis of Iterative Fractional Partial Integro-Differential Equations, *Journal of Mathematics*, (2022), 1-14.
- S.I. Unhale and S. D. Kendre; On existence and uniqueness results for iterative mixed integrodifferential equation of fractional order, *J. Appl. Anal.*, 26(2) (2020), 263-272 <https://doi.org/10.1515/jaa-2020-2023>.
- S.D. Kendre and S.I. Unhale; On existence, uniqueness and Ulam's stability results for boundary value problems of fractional iterative integrodifferential equations, *Journal J. Appl. Math. Comput.*, 64 (2020), 503–517, <https://doi.org/10.1007/s12190-020-01366-z>.
- S.I. Unhale and M. A. Joshi; A Statistical Study on Road Accidents in Ghat Section of Mumbai Pune Expressway, *Utkal Historical Research Journal*, 36, 1(III), (2023), 50-53.

- S.I. Unhale and S.D. Kendre; On Existence and Uniqueness results for iterative fractional integrodifferential equation with deviating arguments, *Applied Mathematics E-Notes*, 19(2019), 116-127.
- S.I. Unhale and S.D. Kendre; On Controllability of Mixed Iterative Integrodifferential Equations of Fractional Order, *Malaya Journal of Matematik*, 1 (2019), 679-688.
- S.I. Unhale and S.D. Kendre; Existence and Uniqueness Results for Iterative Volterra Integrodifferential Equation of Fractional Order, *Communications on Applied Nonlinear Analysis*, 25(1) (2018), 81-91.
- S.I. Unhale and S.D. Kendre; Numerical Solution of Nonlinear Fractional Integro-differential Equations by Collocation method, *Malaya Journal of Matematik*, 6(1) (2018), 73-79.
- S.I. Unhale; Numerical Solution of Nonlinear Fractional Integrodifferential Equation by Fractional Power Series Method, *Printing Area*, International Research Journal, Special Issue, 2018, 85-91.
- Subhash I. Unhale and Sadikali L. Shaikh; Applications of the Sumudu Transform to Groundwater Flow and Solute Transport Modelling, *International Journal of Research and Analytical Reviews*, 5(4) 2018, 554-558.
- S.I. Unhale and N.D. Mokal; An Assessment of Student Project using Fuzzy Logic based on Grading System, *Anugoonj*, (6), 2016-2017, 31-35.
- S.I. Unhale and N.D. Mokal; Evaluation of Faculty Performance by Using Fuzzy Logic in Educational Institutions, *Anugoonj*, (5), 2015-2016, 33-39.
- S.I. Unhale and N.D. Mokal; A New Approach for Fuzzy Traffic Signal Control, *Anugoonj*, (4), 2014-2015, 30-34.
- S.I. Unhale and N.D. Mokal; Fuzzy Logic Control of Washing Machine, *Anugoonj*, (3), 2013-2014, 30-35.
- S.I. Unhale and M.A. Joshi; Fast Food: Need of Trend, *Anugoonj*, (2), 2012-2013, 62-64.
- Unhale S.I. and Chaudhary M.S.; On distributional generalised Laplace transformation', *The Journal of the Indian Academy of Mathematics*, 30 (2) 2008, 403-412.

● **Publications in Conference Proceedings (03)**

- Feedback Management System: Our Initiative
- Planning, Execution and feedback for effective Teaching-Learning process: Our Initiative
- Applications of Differential Equation for corruption & Population growth & decay

4. Books authored:

Edited book by National publisher	:	10
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5. List of Books authored:

- Calculus I, Sheth Publishers Pvt. Ltd.
- Calculus II, Sheth Publishers Pvt. Ltd.
- Computer Oriented Statistical techniques, Sheth Publishers Pvt. Ltd.
- Mathematical & Statistical Techniques-I, Sheth Publishers Pvt. Ltd.
- Mathematical & Statistical Techniques-II, Sheth Publishers Pvt. Ltd.

- Calculus II, Sheth Publishers Pvt. Ltd.
 - Mathematical & Statistical Techniques, Sem. I, Universal Publishing House
 - Mathematical & Statistical Techniques, Sem II, Universal Publishing House
 - Business Mathematics, Sheth Publishers Pvt. Ltd.
 - Calculus I, Sheth Publishers Pvt. Ltd.
6. **Minor Research Project Completed:**

Title of the project	Date of sanction	Duration	Grant received	Funding agency
Export of Marine Product: Time Series Model	11/01/2012	2 Years	2,00,000/-	UGC
Road Accidents and Preventive Management in Ghats Sections: A Statistical Study	16/01/2017	1 Year	25,000/-	University of Mumbai
A Statistical Study on Road Accidents and Awareness of Preventive Measures	2020-2022	1 Year	1,00,000/-	RUSA

7. **Membership:**

- Member, 'The Journal of the Indian Academy of Mathematics ' Indore
- Member, 'Indian Mathematical Society ' Aurangabad
- Member, 'Bombay Mathematical Colloquium'

8. **Academic Staff College Orientation/Refresher courses attended:**

Name of the Course	Place	Duration	Sponsoring Agency
Orientation Course	UGC-ASC, Goa University, Goa	31/03/2010 to 29/04/2010	UGC, New Delhi
Refresher Course	UGC – CPDHE(ASC), University of Delhi, Delhi	02/01/2013 to 22/01/2013	UGC, New Delhi
Refresher Course	UGC-ASC, Dr. BAMU, Aurangabad	02/03/2015 to 24/03/2015	UGC, New Delhi
Short Term Course	UGC-HRDC, University of Mumbai	06/03/2017 to 11/03/2017	UGC, New Delhi
Refresher Course	UGC-HRDC, Gujarat University, Ahmedabad	28/05/2018 to 17/06/2018	UGC, New Delhi

9. **Participation in conferences, symposia, seminars and workshops:**

Level	Presented paper	Only attended
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International	03	01
National	06	07
State	03	03
University	---	14

10. Conferences, symposia, seminars and workshops organized as convener/co-convener:

Level	Convener	Co-convener
National	04	02
State	---	01

11. Experience on the various committees at the college

- Examination Cell - 04 Year (as a Controller of Examinations)
- Finance Committee - 04 Year (as a Permanent Invitee Member)
- College Development Committee - 04 Year (as a Permanent Invitee Member)
- Autonomy Monitoring Committee - 04 Year (as a Member)
- Academic Council- 04 Year (as a Member)
- Board of Studies in Mathematics – 04 Year (as a Chairman)
- Board of Studies in Computer Science – 04 Year (as a Member)
- Examination Committee- 02 years (as a Chairman)
- Examination Committee- 06 years (as a Member)
- Internal Quality Assurance Cell (IQAC) - 12 Years (as a Member)
- Prospectus Committee – 04 Years (as a Member)
- Unfair means Committee- 01 year (as a Member)
- Feedback Management system- 10 Years (as a Chairman)
- Avishkar Research Convention- 03 Years (as a Member)
- Staff Welfair Committee- 10 Years (as a Member)

12. Experience on the NAAC/ IQAC of the college

- Internal Quality Assurance Cell (IQAC) - 12 Years (as a Member)