

Punyashlok Ahilyadevi Holkar Solapur University, Solapur.
School of Computational Sciences
Dept. of Mathematics

1. Name : Dr. Mrs. Mashale Jyoti Dharmendra

2. Date of Birth : 25th July 1985

3. Designation : Assistant Professor,
I/C Head of Dept. of Mathematics
School of Computational Sciences,
Punyashlok Ahilyadevi Holkar
Solapur University, Solapur.



3. Educational Qualification:

Sr.No	Degree	University	Year
1	B.Sc (Mathematics)	Shivaji University, Kolhapur (First in Merit)	2005
2	M.Sc (Mathematics)	Solapur University, Solapur	2007
3	SET	Pune University, Pune	2008
4	Ph.D	Swami Ramanand Teerth Marathwada university, Nanded	2020

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5. Total Teaching experience : 11 years (PG)

6. Area of specialization : Functional Analysis, Partial Differential Equations, Ordinary Differential Equations

7. Research Area : Fuzzy set theory, Soft set theory, Soft graph theory

8. Orientation course :

1. UGC sponsored Orientation course at Pune University, Pune in Oct.2013.

9. Refresher Course:

1. UGC sponsored Refresher course in Maths from 3rd March-24th March 2015
Dr.Babasaheb Ambedkar Marathwada University, Aurangabad
2. UGC-Human Resource Development Centre sponsored Refresher course in
Mathematics from 4th July-24th July 2018 at University of Hyderabad,
Hyderabad

10. Short term course:

1. Pedagogical Training for Mathematics teachers in
July 2015 organized by Swami Ramanand Teerth Marathwada University,
Nanded.

11. Papers presented : 11 research papers

1. Attribute reduction using multi soft set approach, National Conference on
Science and Technology for Human Development organized by Dr.Babasaheb
Ambedkar Marathwada University, Aurangabad during 30-31 Dec 2014.
2. Application of Normal parameter reduction in decision making, International
conference on Mathematical Sciences-2015 organized by Department of
Mathematics Sadguru Gadage Maharaj College, Karad during 15-16 Sept 2015.
3. Some operations on Soft graphs, National Conference on Recent Advances in
Mathematics organized by Tata Institute of Social Sciences, Tuljapur Campus
during 15-16 July 2016.
4. New results on Soft Graph, 5th National conference on Recent Trends in
Computer Science and Applications and Computational Mathematics organized
by Indira college of Commerce and Science, Pune 22-23 Dec 2016 (Best Paper
Award).
5. Soft graph: A theoretic Approach, International Conference on Mathematical
Analysis and its Applications organized by Dayanand Science College, Latur
5-9 Mar 2017.
6. Results on Soft graph and Soft trees, International Conference on Algebra,
Discrete Mathematics and Applications organized by Dr. Babasaheb Ambedkar
Marathwada university, Aurangabad 9-11 Dec 2017.

7. Adjacency and incidence matrices of soft graph, National Conference on Innovative trends in Engineering & Technology (NITET 2018) organized by A.G.Patil Institute of Technology, Solapur 16-17 March 2018.
8. Adjacency and Incidence matrix of Soft graph, International conference on Recent trends in Mathematics organized by Rani Channamma University, Belagavi, held on 27th and 29th Dec 2018.
9. Representation of Soft graph using Matrices, National Conference on Recent Trends and Innovations in Research fields of Science, Humanities and Languages, Organized by Willingdon college, Sangli held on 13th Feb 2019.
10. Connectedness in Soft graph, International conference on Recent Inventions and Innovations in Mathematical Sciences organized by Andhra University, Vishakhapatnam held on 28th Feb to 1st Mar 2019.
11. Comparison between definition of Soft graph, National Conference on Innovative Trends in Engg. And Technology organized by A.G.Patil Institute of Technology, Solapur held on 15-16 Mar 2019.

12. Papers Published : 05

1. B.Surendranath Reddy, J.D.Thenge; Attribute reduction using multi soft set approach; SRTMU's Research Journal of Science, Vol 3 No.2, Aug-oct 2014, pp. 4-9.
2. J.D.Thenge, B.S.Reddy, Application of normal parameter reduction of soft sets in decision making; International Journal of Innovation in Engineering, Research and technology, 2016, pp: 1-4
3. J.D.Thenge, B.S.Reddy, R.S.Jain, Contribution to soft graph and soft tree; New Mathematics and Natural Computation, World scientific pub., Vol. 15, No. 1 (2019) pp: 129-143
4. J.D.Thenge, B.S.Reddy, R.S.Jain, Adjacency and Incidence matrix of a Soft graph; Communications in Mathematics and Applications, Vol. 11, No. 1, pp. 23–30, 2020
5. J.D.Thenge, B.S.Reddy, R.S.Jain, Connected soft graph; New mathematics and natural computation, World scientific pub, Vol.16(2), pp:305-3018

13. Events organized :

1. One day National Seminar on Fuzzy Mathematics and its application on 28th Feb 2015.
2. National Workshop on "Use of Latex" on 28-29 Jan 2016.
3. Organizing a mega competition to celebrate **National Mathematics Day**

every year from 2015.

4. Training of Trainers programme on Sexual Harrasment of women at workplace Act 2013 on 6th Feb 2017.
5. Organized National Workshop on “Geometry of solution of Differential Equations” on 25th Feb 2020
6. Organized a National Webinar on “Career opportunities in Mathematics” on 21st June 2020.
7. Organized a five days webinar on “Techniques of SET, NET preparation ” in association with Alumni association of Mathematics during 25-30 July 2020.

14. Positions Held :

1. I/C Head, Department of Mathematics (Aug 2012- Aug 2017)
2. I/C Head, Department of Mathematics (March 2018 to till date)
3. I/C rector of Girls Hostel. (Aug 2014 - Jan 2019)
4. Team Manager in Anveshan Research Festival at Sardar Patel University, Gujrat during 28-29 March 2016.
5. Team Manager in 11th Maharashtra State Inter university Research convention Avishkar 2016 held at Swami Ramanand Teerth Marathwada university, Nanded during 27-29 Jan 2017.
6. Team Manager in the 12th Maharashtra State Inter university research convention at Mahatma Phule Krishi Vidyapeeth, Rahuri during 15-17 Jan 2018.
7. Chairman of Anti Sexual Harrasment Committee
8. Chairman of Internal Complaint Committee from July 2014 to July 2017
9. Co-ordinator, Day Care Center

15. Administrative Experience:

1. Member of Standing Committee Special cell.
2. Worked as Avishkar Committee member in 2010.
3. Worked as AVHAN Committee member in 2011.
4. Member of BUTR Committee
5. Member of Board of studies subcommittee at Solapur University, Solapur
6. Member of Local Selection Committees constituted under the provisions of section 77 Maharashtra Universities Act 1994.
7. Worked as member of local organizing Committee in National Workshop on Statistical Computing during 21st -23rd Sept 2013
8. Worked as member of local organizing Committee in National Workshop on

Matlab and Image Processing during 23rd -24th Dec 2013

9. Worked as member of local organizing Committee in National Conference on Recent Advance in Information Technology during 15th -16th feb 2014.
10. Member of University Quality Advisory council from Nov 2014
11. Member of Standing committee BC cell
12. Member of Earn and Learn committee
13. Worked as member of local organizing Committee in National Seminar about Official Statistics on 9th Jan 2017
14. Member of Women's Day function every year from March 2017
15. Member of local organizing Committee in workshops & Conference organized by School of Computational Science.
16. Member of Admission Committee of M.Sc. (Mathematics), Solapur University, Solapur.
17. Board of Studies member at M.Sc Mathematics
18. Board of Studies member at Karmveer Bhaurao Patil college, Pandharpur from april 2019.
19. Member of Local Inquiry Committee for M.Sc Mathematics at DBF Dayanand College, Solapur

16. Invited Lectures / Keynote speaker / Chairmanships at national or International conference / seminar / workshop etc:

1. National Seminar on "Recent Trends in Mathematics" organized by Karmveer Bhaurao Patil Mahavidyalaya, Pandharpur on 30th Jan 2017
2. One week National Workshop on Preparation of SET/NET/GATE in Mathematical Sciences organized by Swami Ramanand Teerth Marathwada university, Nanded during 4th -10th June 2018

17. Awards and Rewards:

1. Best paper award in 5th National conference on Recent Trends in Computer Science and Applications and Computational Mathematics organized by Indira college of Commerce and Science, Pune during 22-23 Dec 2016
2. Won 2nd prize in Avishkar 2017 under Pure science Teacher category, University level research festival during 27-28 Dec 2017

18. Seminar/Workshop/Conference attended:

1. Workshop on Mathematical models for Physics and Electronics organized by Department of Mathematics Walchand College of Arts & Science, Solapur Maharashtra during 3-4 August 2009

2. National Workshop on Mathematical Softwares and Applications organized by Department of Mathematics Dr.Babasaheb Ambedkar Marathwada University, Aurangabad during 23-27 March 2010
3. Workshop on Recent Trades in Nonlinear Elliptical Partial Differential Equations organized by Tata Institute of Fundamental research ,Banglore during 6-8 January 2011
4. National Workshop on Research Approach in Graph Theory organized by Department of Mathematics A.G.Patil Institute of Technology,Solapur on 27 August 2012.
5. Workshop on Publication with Latex organized by Department of General Science and Engg. N.B. Navale Singhgad college of Engineering,Kegaon , Solapur On 5 Jan 2013
6. State level Conference on Mathematics for all Sciences organized by Department of Mathematics, C.B.Khedagi's BasaveshwarScience, Akkalkot ,Solpur during 20-21 Dec 2013
7. National Conference on Recent Trends in Pure and Applied Mathematics organized by Department of Mathematics N.E.S. Science College,Nanded during 9-11 Jan 2014
8. National Conference on innovative trends in Engineering & Technology organized by A.G.Patil Institute of Technology,Solapur during 11-12 March 2016
9. One day workshop on "Indian Patenting & filing Procedures organized by Solapur University, Solapur 25th August 2016
10. National Workshop on "Human Rights amd Humanizing Societies" organized by School of Social Sciences, Solapur University, Solapur during 22nd & 23rd September 2016.
11. National workshop on Strengthening Research skills of Students and Teachers organized by Sangameshwar College,Solapur on 10th Nov.2016
12. Understanding Revised Assessment and Accreditation Framework Manual 2017 organized by Sangameshwar College,Solapur on 19th September 2017
13. Presented a research project at teacher level in the 12th Maharashtra State Inter university research convention at Mahatma Phule Krishi Vidyapeeth, Rahuri durinn 15-17 Jan 2018
14. NPTEL workshop Conducted by IIT Madras at Walchand Institute of Technology, Solapur on 21st April 2018
15. Participated in 'Capacity Building for women managers in higher education' training workshop under RUSA organised by Solapur university, Solapur during 25th to 27th Oct 2018
16. National workshop on 'Intellectual Property rights: The knowledge Capital' organised by Sangameshwar college, Solapur on 15th Dec 2018
17. Member of "Muli shikva,Samaj Ghdva " committee
18. Member of Board of Studies in Mathematics .

19. Guest Lectures:

1. Lecture on Vedic Mathematics at S.P.M Polytechnic, Kumthe on 16th Feb 2010
2. Lecture on Mathematics at Vasundhra Kala Mahavidyalaya, Solapur on 27th Aug 2014
3. Lecture on “Mathematical Analysis” at New Arts , Commerce and Science college,Ahmednagar on 16th Oct 2014
4. Lecture on “Career opportunities in Mathematics” at Sangameshwar College,Solapur on 15th Dec 2015
5. Popular Maths lecture at Solapur Science Centre on 4th Aug 2016

20. Judge/Examiner :

1. Science exhibition at Solapur Science Centre on 4th Aug 2016
2. Science exhibition at Solapur Science Centre during 14th -15th Sept 2017.
3. Poster presentation Competition at Swami Ramanand Teerth Marathwada university, Nanded in Jan 2018
4. External examiner for practical exams at Swami Ramanand Teerth Marathwada university, Nanded

21. Membership of Associations :

Life member of Indian Mathematical Society

Life member of Marathwada Mathematical Society