

Name: Dr. Varsha Ashutosh Joshi
Designation: Head, Department of Physics
Email: varsha@moderncollegegk.org
Qualification: MSc., Ph.D., Sangeet Visharad

Sr. No.	Examination	Board/ University	Passing Percentage	Year	Class
1	S.S.C.	Maharashtra Board	79.60 %	1980	Distinction
2	H.S.C.	Maharashtra Board	72 %	1982	First
3	B.Sc. (Physics)	Bombay University	63.63 %	1985	First
4	M.Sc. (Physics)	Bombay University	56.25 %	1987	Higher Second Class
5	Ph.D.	Savitribai Phule Pune University	-	2022	-
6	Sangeet Visharad (Classical Vocal) Equivalent to B.A. (Music)	Akhil Bharatiya Gandharva Mahavidyalaya	63 %	1987	First Class

Teaching Experience: 31 Years

Institutional Responsibilities:

- Head, Department of Physics, Modern College, Ganeshkhid, Pune since 1993 till date
- Vice Principal of Science Faculty for 5 years
- Head, Department of Electronics for 8 years
- IQAC coordinator for 7 years
- NAAC Criteria in charge for 3 cycles of NAAC
- Coordinator Swaramadhuri – A state level classical vocal singing competition- for more than 22 years
- Student Welfare Officer from 2000 to 2014
- Nodal Coordinator of Virtual Labs IIT Bombay nodal Center
- Coordinator Student Induction Programme since 2020
- Class teacher of T.Y.B.Sc.(Physics)

Refresher end Orientation Courses:

Sr. No.	Institute	Type of Course	Subject	Dates
1	University of Pune	Orientation	-	4/10/1994 to 31/10/1994
2	University of Pune	Refresher	Instrumentation	23/7/1997 to 19/8/1997
3	University of Pune	Refresher	Physics	8/10/2012 to 28/10/2012

4	University of Pune	Refresher	Physics	2/07/2015 to 22/07/2015
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Awards Received:

Sr. No.	Awarding Institute	Year	Type of Award
1	Progressive Education Society, Pune	2011	Best Teacher Award
2	Department of Student Welfare, Savitribai Phule Pune University	2014-15	Best Student Welfare Officer
3	CEMET, Pune International Conference on Multifunctional Electronic Materials and Processing (MEMP- 2021)	2021	Best Poster Presentation Award Title: "Synthesis and Characterization of Fe ₃ O ₄ nanoparticles to study effect of pH and doping for its application in Musical Instruments"

Memberships:

Sr. No.	Institute	Type of Membership
1	Acoustical Society of India	Life Member
2	Indian Science Congress	Life Member
3	Indian Association of Physics Teachers	Life Member
4	Progressive Education Society, Pune	Fellow of Society
5	Indian Physics Association (Pune Chapter)	Life Member

Affiliations:

Sr. No.	Institute	Position held
1	Department of Student Welfare, Savitribai Phule Pune University	Member, Advisory Board
2	Indian Association of Physics Teachers	Vice President, RC-08 C
3	Virtual Labs IIT Bombay	Nodal Coordinator, Nodal Center 206

Research Publications:

Sr. No.	Title of the paper	Names of Authors	Name of the Journal
1	Role of ICT in Higher Education	Varsha Joshi	Conference proceeding (20-21 Feb 2015)

2	Electrical impedance as a function of biofilm formation: A novel strategic drug discovery tool	Sangram Gholap, Kalpesh Mahamunkar, Sougata Ghosh, Varsha Joshi	Dnyanamaya Journal of PE Societ
3	Synthesis And Characterizations of Nickel-Ferrites [NiFe ₂ O ₄] Nanoparticles	N. Kortikar, P. Pagar, S. M. Rathod, S. Chaudhari, V. Joshi	IJCPS Vol. 7, Special Issue ISSN:2319-6602 RTCS - April 2018 International Journal of Chemical and Physical Sciences
4	Synthesis and Structural Properties of Doped and Un-doped MnO ₂ Nanoparticles for its Use in Percussion Instruments	Varsha Joshi, Pratibha Rao, S Dheke, S Chaudhari	JETIR May 2019, Volume 6, Issue 5 (ISSN-2349-5162)
5	Synthesis and characterization of Fe ₃ O ₄ nanoparticles to study effect of doping on ink used in Indian percussion instruments	V Joshi, P Rao, S Chaudhari	International Journal of Management, IT & Engineering (IJMIE) Vol. 9 Issue 6, June 2019, ISSN: 2249-0558

Patent: An Indian patent has been published with title “A METHOD FOR MAKING NANO INK FOR COATING INDIAN PERCUSSION INSTRUMENTS” in April 2022.