

Personal Profile

Of

Prin. Dr. U.P. Shinde

Department of Physics

M. J. M. Arts, Commerce & Science College,

Karanjali, Tal. Peth, Dist. Nashik,

Maharashtra

India

Personal Profile

1. Name: Dr. Ugalal Pandit Shinde



2. Date of birth: 01-06-1965.

3. Sex: Male

4. Category: Open

5. Marital status: Married

6. Nationality: Indian

7. Address: 201, Urvi Residency, Saraswati Nagar
Hirawadi Road, Panchavati, Nashik-3 (M.S.)
Mobile: 9423221741, 8381021156
e-mail: upshinde1965@gmail.com

8. Name of the Institute: Sahyadri Shikshan Mandal, Dindori, Dist. Nashik.

9. Name of the College Presently Working: Mahant Jamnadas Maharaj Arts, Commerce & Science College, Karanjali, Tal. Peth, Dist. Nashik.

10. Date of Appointment: 01-08-2023.

11. Designation: Principal

12. Educational Qualification: M. Sc. Ph.D.

Degree	Subject	University	Year of Passing	Class Obtained	Percentage
B.Sc.	Physics	Pune	1986	First	70.92 %
M.Sc.	Physics	Pune	1988	First	65.10 %
Ph.D.	Physics	Pune	17 Jan.2000	-----	-----

13. Total teaching experience in Years: UG-35, PG-23

14. Title of the Ph.D. Thesis: “Electrical Properties of Co-evaporated A_xB_{1-x} thin Solid Films.”

15. Research Experience excluding years spent in M. Phil / Ph. D (in years): 23 Years

a) Research Guide in Physics:

i) Ref No. : BUTR/Science/ 12 / 422 dated 21 / 04 / 2015.

ii) Period of recognition: 20 / 02 / 2015 to 19 / 02 / 2023.

iii) No of students awarded Ph. D degree in Physics : 01

b) Research Guide in Electronics:

i) Ref No. : BUTR/Science/ 02 / 1043 dated 24 / 12 / 2016.

ii) Period of recognition: 08 / 10 / 2016 to 07 / 10 / 2024.

iii) No of students awarded Ph. D degree in Electronics : 01

iii) No of students registered for Electronics : 06

c) List of Candidates registered for Ph.D. under my Supervision:

Sr. No	Name of the Candidate	Subject	Topic	Date of Registration	Status
1	Mrs. Pagar Ujwala Manohar	Physics	Study of Structural, Electrical and Optical properties of Mixed binary Oxides of NiO-Co ₃ O ₄ & NiO – ZnO Thick Films Prepared by Screen Printing Technique.	PGS/Ph. d/5041	Ph. D Awarded
2	Mrs. Patil Seema Ramkrishna	Electronic Science	Development and Characterization of Automatic Intermittent type variable rate spraying system for row crops.	PGS/Ph. d/5036	Ph. D Awarded
3	Mr. Murtdak Prashant Sopanrao	Electronic Science	Study of Electrical, Optical, Gas sensing and Structural properties of mixed binary oxides of Co ₃ O ₄ - SnO ₂ and Co ₃ O ₄ - ZnO thick films.	PGS/Ph. d/5036	Synopsis Submitted
4	Mr. Nikam Ajay Ashok	Electronic Science	Studies on Structural, Electrical and Optical properties of pure and Zn doped CdTe and CdS thin films using vacuum evaporation technique.	PGS/Ph. d/5036	Work in Progress
5	Mr. Dandagaval Harshal Narayan	Electronic Science	Modeling the interactions of microwave backscattering mechanism of Earth surface using synthesis aperture RADAR datasets.	PGS/Ph. d/349	Work in Progress
6	Mrs. Monali Eknath Niphade	Electronic Science	Synthesis and Studies on Structural, Electrical and Optical Properties of LaFeO ₃ Thick Films with Ca, Mg and Ag as additives using Screen Printing Technique for Gas Sensing Application.	----	Work in Progress
7	Mr. Handge Somnath Bhika	Electronic Science	Synthesis and Studies on Structural, Electrical and Optical Properties of LaCrO ₃ Thick Films with Ti, Sn and In as additives using Screen Printing Technique for Gas Sensing Application.	-----	Work in Progress
8	Mr. Watpade Sagar Shantaram	Electronic Science	IoT Based Smart Home Using Single Board Computer to Save Energy, Time, Cost and Secure Daily Human Life.	-----	Work in Progress

17. Field of Specialization under the Subject / Discipline

a) Material Science.

18. (a) Academic Staff College Orientation / Refresher Courses attended:

Sr. No	Name of the Course/ Summer School	Place	Duration	Sponsoring Agency
1	Orientation Course	Academic Staff College, University of Poona	28 Days. 15/06/1993 to 12/07/1993	UGC
2	Refresher Course	Academic Staff College, JNU Delhi	26 Days. 20/09/1994 to 21/10/1994	UGC
3	Refresher Course	Academic Staff College, Rani Durga University, Jabalpur	20 Days. 08/02/1999 to 27/02/1999	UGC
4	Refresher Course	Academic Staff College, Rani Durga University, Jabalpur	20 Days. 08/02/1999 to 27/02/1999	UGC

(b) Publication of Books:

Sr. No.	Title of the Book	Publication	Author
1	Semiconductor Devices and Basic Electronic Systems. F. Y. B. Sc (Computer Science) Paper I- Semester-I	Publisher & Printer: INSC International Publisher, Chikkamagalur, Karnataka	Prof. Dr. U. P. Shinde
2	Electronics Devices and Circuits F. Y. B. Sc Electronics Science Paper II- Semester-ICBCS (June-2019-20)	Dreambook Publishing	Prof. Dr. U. P. Shinde
3	Communication Electronics S. Y. B. Sc Electronics Science Paper I Semester-III, EL-231 CBCS (June-2020-21)	Publisher & Printer: INSC International Publisher, Chikkamagalur, Karnataka	Prof. Dr. U. P. Shinde

19. Research Publications:**i) Research Papers Published in Various Journals:**

Sr. No	Title of Paper	Name of the author/s	Name of journal	Year of Publication	ISBN/ ISSN	Pages
45	A review of flexible high-performance supercapacitors for the internet of things (IoT) and artificial intelligence (ai) applications	Sajid Naeem, Abid Ali, Khalid Memon, Mohammed Bavluwala, UP Shinde, AV Patil	Energy and Thermo fluids Engineering	May 2023	DOI: https://doi.org/10.38208/	1-9

					etc.v3.734	
44	A Review of Cobalt-Based Metal Hydroxide Electrode for Applications in Supercapacitors	Sajid Naeem, Arun V Patil, Arif V Shaikh, UP Shinde, Dilawar Husain, Md Tanwir Alam, Manish Sharma, Kirti Tewari, Shameem Ahmad, Aqueel Ahmed Shah, Syed Abbas Ali, Akbar Ahmad	Advances in Materials Science and Engineering	April 2023	Volume 202 3 Article ID 1133559 https://doi.org/10.1155/2023/1133559	
43	Cobalt hydroxide-based electrodes for supercapacitors: Synthesis, characterization, and electrochemical performance optimization.	Sajid Naeem, U. P. Shinde, AV Patil	Journal of Energy Storage	August 2023	https://doi.org/10.1002/est2.516	
42	Cobalt Hydroxide Nanoparticles: Preparation, Synthesis, Characterization and Application in Supercapacitor	Sajid Naeem, Arun Patil, U Shinde, Dilawar Husain, Md Alam, Syed Ali, Manish Sharma, Akbar Ahmed	Authorea Preprints Vol-4,	Jan 2023	https://doi.org/10.1155/2023/1133559	1-9
41	Copper oxide-based high-performance symmetric flexible supercapacitor: potentiodynamic deposition	Saima G Sayyed, Arif V Shaikh, Ugalal P Shinde, Pavan Hiremath, Nithesh Naik	Journal of Materials Science: Materials in Electronics Vol 34, Issue 17, Springer US	June 2023	UGC CARE	1361-
40	Influence of Annealing on Physical, Physiological and Electric Properties of Mono Nickel oxide Thick Films Prepared by using Screen-Printing Technique.	Ujwala M. Pagar, U. P. Shinde	SAMRIDDHI Volume 14, Special Issue 1, 2022 Print ISSN : 2229-7111 Online ISSN : 2454-5767	June 2022	2454-5767 UGC CARE Listed Journal	200-206
39	Infrared Sensor For Measurement Of Forward Travel Speed	Seema V. Aware, U. P. Shinde.	Stochastic Modeling & Applications Vol. 26 No. 3 (January - June, Special Issue 2022 Part - 4) 270 Special Issue on Recent Research on Management, Applied Sciences and Technology.	2022-23	0972-3641 UGC CARE Listed Journal	270-273
38	Preparation and investigation of the screen-printed cobalt oxide (Co ₃ O ₄) nanostructured thick film with annealing temperature	Pagar U.M., Shinde U.P.	NANOSYSTEMS: PHYSICS, CHEMISTRY, MATHEMATICS	May 2022	DOI 10.17586/2220-8054-2022-13-5-530-538	530–538
37	Preparation and Nano Structural Investigation of Screen Printed Cobalt oxide (Co ₃ O ₄) Thick Film with Annealing Temperature	U. M. Pagar, U. P. Shinde	Asian Journal of Organic & Medicinal Chemistry	April-June, 2022 Special Issue CRNSS 2022	2456-8937 UGC CARE Approved Journal	20-28
36	Influence of annealing on electrical and optical properties of NiO thick film Sensors developed by screen printing technique	Ujwala M. Pagar, U. P. Shinde	International Journal of Scientific Development and Research (IJS DR), IJS DR2202014 www.ijedr.org , Volume 7 Issue 2	Feb 2022	2455-2631	85-93

35	Thermally Evaporated Mgo-Nio Nanocomposite Thin Films For Ethanol Gas Sensor.	U. P. Shinde, R.S Gosavi	International Journal of Recent Advances in Multidisciplinary Research Vol. 08, Issue 10	2021	2250-0743	7243-7247
34	Study Of Electrical And Gas Sensing Properties Of Thermally Evaporated Nickel Oxide Thin Films	U. P. Shinde, R.S Gosavi	Journal of Emerging Technologies and Innovative Research Vol (8) Issue(8)	2021	2349-5162	609-615
33	Patient Health Monitoring System Using IoT	U.P.Shinde, A.B.Patil, U.J.Tupe. Ajay R. gaikwad	International Journal of Scientific Research & Engineering Trends Volume 7, Issue 4	2021	2395-566X	1-3
32	PCB Design Plotter Using CNC Shield and Arduino	Vivek S. Kulkarni1, U. P. Shinde, Anil B. Patil, Umesh. J. Tupe	International Journal of Research Publication and Reviews Vol (2) Issue (8)	2021	2582-7421	1-6
31	Development Of Ethanol Gas Sensors Using Ternary Metal Oxide Thick Films	Seema V. Aware, U. P. Shinde, V. V. Aware	International Journal of Agricultural Science and Research (IJASR) Vol. 11, Issue 236	2021	2321-0087	27-36
30	Annealing Effect on Structural, Morphological and Electrical Properties by Screen Printed Bunsenite NiO Thick Films.	Ujwala M. Pagar, U. P. Shinde	International Journal of Innovative Technology and Exploring Engineering (IJITEE) Volume-10 Issue-6, DOI: 10.35940/ijitee.F8826.0410621	2020-21 April 2021	ISSN 2278-3075	80-85
29	Sensors and controller for efficient utilization of agricultural sprayers a review .	1)Mrs. SeemaV. Aware 2)Dr. U. P. Shinde 3)V.V Aware	Mukt Shabd Journal	May 2020	2347-3150	3812-3823
28	Electrical Resistivity, Thermoelectric Power and I-V Characteristics of Sb-Se Thin Films at Different Compositions.	1) U. P. Shinde 2) R. S. Gosavi	International Journal of Innovative Technology and Exploring Engineering (IJITEE) DOI: 10.35940/ijitee.G5717.059720 <i>Published By: Blue Eyes Intelligence Engineering & Sciences Publication</i>	May 2020	ISSN 2278-3075	894-896
27	“Impact of the Evolution of Smart Phones in Education Technology and its Applications in Learning Electronic Circuits	1) A.V.Patil, 2) U J Tupe 3)A B Patil, 4) V.S.Raut 5) T C Thete 6) S A Nale 7) U P Shinde	Ajanta Prakashan, Aurangabad Vol-8, Issue-I, Part-I	Jan-March 2019	ISSN 2277-5730	11-19
26	Virtual Laboratory - An innovative Teaching and Learning Method	1)A B Patil, 2) V.S.Raut 3) S A Nale 4) T C Thete 5) U J Tupe 6)U P Shinde 7) A.V.Patil,	Ajanta Prakashan, Aurangabad Vol-8, Issue-I, Part-I	Jan-March 2019	ISSN 2277-5730	20-27
25	“RF Controlled Arduino Based Mine Detector and Position Spying “Robot	1) A.V.Patil, 2)U P Shinde 3) U J Tupe 4)A B Patil, 5) V.S.Raut 6) T C Thete 7) S A Nale	Ajanta Prakashan, Aurangabad Vol-8, Issue-I, Part-I	Jan-March 2019	ISSN 2277-5730	77-85
24	“Electrostatic Mechanism for Agriculture Sprayer- A Review”,	1) Seema V. Aware 2) V. V. Aware 3) U.P.Shinde	Ajanta Prakashan, Aurangabad Vol-8, Issue-I, Part-II	Jan-March 2019	ISSN 2277-5730	1-9
23	“SWAYAM-A Digital Platform for Distance Learning in Higher Education”,	1) U. P. Shinde 2) A.A. Nikam 3) R.S.Gosavi 4) A.B.Patil 5) A.V.Patil	Ajanta Prakashan, Aurangabad Vol-8, Issue-I, Part-II	Jan-March 2019	ISSN 2277-5730	137-139
22	Electrical characterization of undoped and Cu doped ZnO thin films using	1) M. B. Deore 2) U. D. Lad, 3) U. P. Shinde	Researcher's World Special Issue	2017-18	ISSN: 2229-4686, (UGC	62-65

	physical vapor deposition technique.	4) V.T.Salunke			Listed)	
21	Structural properties of vacuum evaporated Zn-Te thin films as a function of annealing temperature.	U. P. Shinde	Researcher's World Special Issue	2017-18	ISSN: 2229-4686, (UGC Listed)	58-60
20	Electrical resistivity of vacuum evaporated AgSe thin films as a function of thickness.	1) U. P. Shinde, 2) H. P. Shelar, 3) A. B. Suryawanshi 4) R. V. Desale 5) G. V. Pawar 6) M. B. Deore	International Journal of Chemical and Physical Sciences, (IJCPS) Special Issue	2017-18	ISSN 2319-6602 (UGC Listed)	659-663
19	The photoconductivity of Ag-Te thin films as a function of thickness and composition at room temperature.	U P Shinde	International Journal of Chemical and Physical Sciences,(IJCPS) Special Issue	2017-18	ISSN 2319-6602 (UGC Listed)	664-668
18	Thickness Dependent Thermoelectric Power (α) of Ag-Te Thin Films	Ugalal P Shinde	Pelagia Research Library Advances in Applied Science Research, 2017, 8(3):55-59 CODEN (USA): AASRFC	2017-18	ISSN : 0976-8610 (UGC Listed)	55-59
17	Thickness Dependent Temperature Coefficient of Resistance (T.C.R) for various Ag-Te thin films.	Ugalal P Shinde	IOSR Journal of Applied Physics (IOSR-JAP) .Volume 9, Issue 5 Ver. III (Sep. – Oct. 2017), www.iosrjournals.org DOI: 10.9790/4861-0905035557	2017-18	e-ISSN: 2278-4861 (UGC Listed)	55-57
16	Composition dependent thermoelectric Power (α) of Ag-Te thin films as a function of temperature and thickness.	Ugalal P Shinde	International Journal of Engineering Science Invention www.ijesi.org Volume 6 Issue 9 September 2017 www.ijesi.org	2017-18	ISSN (Online): 2319 – 6734, (UGC Listed)	44-46
15	Effect of potassium iodide on solubility and density of Copper iodide in water and DMF at various temperatures.	1) U P Shinde 2) H S Aher 3) T B Pawar	Research Journal of Science Engineering and Technology” rjset, Volume 7 Issue 2 [Year 2017] www. Rjset.com	2017-18	ISSN 2454-3195 (online) (UGC Listed)	26-31
14	Solubility and Density of Silver Iodide in Water and DMF at Various Temperatures as Function of Potassium Iodide.	1) U P Shinde 2) H S Aher 3) T B Pawar	“IOSR Journal of Applied Physics (IOSR- JAP). Volume 9, Issue 4 Ver. I (Jul. – Aug. 2017 www.iosrjournals.org DOI: 10.9790/4861-0904016467	2017-18	e-ISSN: 2278-4861 (UGC Listed)	64-67
13	Composition Dependent Thermoelectric Power (α) of Zn-Te Thin Films as a Function of Temperature and Thickness	U P Shinde	International Journal of Emerging Technology and Advanced Engineering” Website: www.ijetae.com ISO 9001:2008 Certified Journal, Volume 7, Issue 6, June 2017.	2017-18	ISSN 2250-2459, (UGC Listed)	371-374
12	Surface Tension as a function of temperature and concentration of liquids	1) U P Shinde 2) S S Chaugule 3) C G Dighavkar 4) B S Jagdale 5) D K Halwar	International Journal of Chemical and Physical Sciences, IJCPS, May-June .2015, Vol. 4, No.3	2015-16	ISSN 2319-6602 (UGC Listed)	1-7
11	Thermoelectric Power (α) and I-V characteristics study of SnO ₂ thin films as	1) U P Shinde 2) H S Aher	Pelagia Research Library, Advances in Applied Science Research,	2015-16	ISSN 0976-8610 CODEN	113-117

	a function of thickness.		Vol. 6(5), May 2015		(USA): AASRFC (UGC Listed)	
10	Hall coefficient, mobility and carrier concentration as a function of composition and thickness of Zn-Te thin films.	U P Shinde	Pelagia Research Library, Advances in Applied Science Research, Vol. 6(4), April 2015	2014-15	ISSN 0976-8610 CODEN (USA): AASRFC (UGC Listed)	215-220
9	Studies on temperature and thickness dependent electrical resistance and conductivity of SnO ₂ thin films.	1) U P Shinde 2) H S Aher	Scholars Research Library, Archives of Applied Science Research, Vol. 7(4), April 2015	2014-15	ISSN 0975-508X CODEN (USA): AASRC9	71-75
8	Composition and Thickness Dependent Hall coefficient, Mobility and carrier concentration of vacuum evaporated Ag-Te thin films	U P Shinde	International J. of Science and Research vol-4 Issue 1 Jan. 2015	2014-15	ISSN 2319-7064	2076-2079
7	The Photocurrent studies of ZnTe Thick Films as a function of different Parameters.	U P Shinde	International Journal of Chemical and Physical Sciences, IJCPs, Dec.2014 Vol. 3 Special Issue	2014-15	ISSN 2319-6602 (UGC Listed)	136-140
6	Studies on Electrical Resistivity of Vacuum Evaporated Zn-Te Thin films.	1) U P Shinde 2) R Y Borase 3) A V Patil 4) B S Jagdale 5) T B Pawar	Journal of Electron Devices Vol-19,	March 2014	ISSN 1682-3427	1627-1632
5	Studies on thickness dependent Transition temperature and Electrical resistivity Co-evaporated thin films of Ag-Te	U P Shinde	Inter. Jour. of Engi. Science Invention No-1, Vol-2, Issue 12 Impact factor : 1.786	Dec 2013	ISSN 2319-6734 (UGC Listed)	28-35
4	Micro Structural Analysis of Screen Printed TiO ₂ Thick Films	1) C G Dighavkar 2) A V Patil 3) U P Shinde 4) R Y Borse	Journal of Scientific Research. No-1, Vol-1, Impact factor: 0.632	March 2012	ISSN 2170-1237 (UGC Listed)	3-9
3	A study of Application of Ambipolar Transport Equation in Semiconductors using MATLAB	1) A V Patil 2) C G Dighavkar 3) U P Shinde 4) R N Shelke 5) A U Aher 6) S B Handage	A Journal of Lab. Experiments Vol. 11, No-1	March 2011	-----	68-73
2	Study of Micro Structural Parameters of Screen Printed ZnO Thick Film Sensors.	1) A V Patil 2) C G Dighavkar 3) S K Sonawane 4) U P Shinde 5) S J Patil 6) R Y Borse	Sensors and Transducers Journal, Vol.117, Issue 6, e-Impact factor 205.767 Impact factor:6.03	June 2010	ISSN 1726-5479 (UGC Listed)	62-70
1	Photoconductivity study as a function of thickness and composition of Zn-Te thin films for different illuminated conditions at room temperature” Impact factor: 0.477	1) U P Shinde 2) A V Patil 3) C G Dighavkar 4) S J Patil 5) K H Kapadnis 6) R Y Borse	Optoelectronics and Advanced Materials, Vol.4, ISS.3	March 2010	ISSN 1842-6573 (UGC Listed)	291-294

20. Research Projects Completed:

Sr. No	Title	Agency	Period
1	Studies of ZnTe thick films on glass substrate”	BCUD Pune	2009-10 to 2011-12

21. Papers presented / attended Conferences, Seminars, Workshops, Symposia

(A) International Conferences (Foreign / Indian) (09):

- 1) Paper entitled “Study of Photo Conductivity Properties of Zn-Te thin films” Presented in an “International Conference on Nanomaterials and Applications-2008” Jointly Organized by Dept. of Chemistry and Physics Shivaji University, Kolhapur during December 9-11, 2008.
- 1) Paper entitled “Climatic Conditions of Greenhouse Controlled by GSM” presented in an “International Conference on Applications of Advanced Technology for Enhancing Quality of Education” Organized by IQAC Modern College Pune, Feb 26-27, 2015.
- 3) Paper entitled “Low temperature thickness dependent electrical resistivity of Co-evaporated Ag₂Te and ZnTe thin films” presented in an “International Conference on Functional Materials@ Nanoscale: Concerns and Challenges (ICFMNCC-2015)” Jointly Organized by Dept. of Physics, Electronics and Chemistry at KBP College Pandharpur, Dist. Solapur, March 9-11, 2015.
- 4) Paper entitled” Low temperature thickness dependent thermoelectric power of Co-evaporated stoichiometric ZnTe thin films” presented in International Conference on Emerging Trends and Issues in Research and Development Organized by Research Centers and P.G. Departments of M.S.G.College Malegaon Camp on February 17-18, 2016.
- 5) Paper entitled “ Electrical Resistivity of Vacuum Evaporated AgSe thin films as a function of thickness” presented in International Conference on Advances in Functional Materials (ICAFM-2018) Organized by Dept of Physics , Electronics and Chemistry In Association with S. P. Pune University Pune at K.T.H.M. College Nashik on January 12-13, 2018.
- 6) Paper entitled “Electrical and Structural Properties of Vacuum Evaporated undoped CdO thin films” presented in International Conference on Innovations in Nanomaterial's and their Applications Sponsored by S.P.Pune University Pune, Organized by Faculty of Science, LVH Arts, Science and Commerce College Panchavati Nashik-03 on January 18-20, 2018.
- 7) Paper entitled “ Impact of the Evolution of Smart phones in Electronic Technology and its Applications in Learning Electronic Circuits.” presented in an International Conference on Innovations in Teaching Learning and Evaluation in Higher Education” Sponsored by S.P.Pune University Pune, Organized by LVH Arts, Science and Commerce College Panchavati Nashik-03 on January 23-24, 2019.
- 8) Paper entitled “Electrical Resistivity of Co-evaporated Thin Films of Sb-Se as a Function of Film Thickness and Composition” presented in an International Conference on Multidisciplinary research and Global Innovation in Social Sciences, Management, Business, Education, Tourism and Technology Research Development Association, Jaipur, at Goa, India Noveber 23-24, 2019.
- 9) Paper entitled “ Studies on Electrical and Structural Properties of Sb doped vacuum evaporated CdO thin films” presented in an International Conference on “Emerging Trends and Challenges in Electronics and Computing” (ETEC-2021) (4 - 6 March, 2021) And Sponsored by Rashtriya Uchchatar Shiksha Abhiyan(RUSA), Technically Sponsored by IEEE, Pune Section and SPEED at Yashwantrao Chavan Science Institute Satara

(B) National Conferences (15):

- 1) 38th Annual Convention of Chemists 2001 at Jai Narain Vyas University, Jodhpur, Rajasthan, 26-29 Dec 2001.
- 2) Paper Accepted at 39th Annual Convention of Chemists 2002 at Nagarjuna University, Nagarjunanagar (A. P.) 22- 26 Dec 2002.

- 3) National Conference which was held by Maharashtra Academic Engineering (MAE), Alandi (D), Pune on 3rd and 4th Jan 2008.
- 4) National Conference on “Recent Advances in material Synthesis and Characterization-2011” at Dadasaheb Devidas Namdeo Bhole College, Bhusawal on 22-23 Jan 2011.
- 5) National workshop on “Recent Trends in Mathematics” at L.V.H.College, Panchavati Nashik-3 on 27, 28 & 29 Jan-2011.
- 6) “Environmental Surveillance for Natural Resource Management” At North Maharashtra University, Jalgaon held on 9th and 10th Jan 2012.
- 7) National Seminar on “Higgs Boson – The God Particle” at Abeda Inamdar Senior College , Pune on 1st Sept. 2012.
- 8) National Conference on “Indian Development In Recent and Ideal Semiconductors for Novel Applications “ Organized by Dept. of Physics, Arts, Science and Commerce College, Navapur Dist. Nandurbar on 6th and 7th Oct. 2012.
- 9) Paper presented in National Seminar on Advanced Materials and Its Applications organized by Arts and Science College Dondaicha Dist. Dhule on 1-2 Feb 2013.
- 10) National Seminar on Applications of Electronics in Astronomy and Astrophysics organized by Dept of Electronics K.R.T.Arts, B.H.commerce and A.M. Science College , Nashik-2 on 28-30 March 2013.
- 11) Three day National Conference on “Nanomaterials Avenue” organized by Dept of Physics K.R.T.Arts, B.H. Commerce and A.M. Science College , Nashik on 21-23 Oct 2013.
- 12) Paper entitled “Thickness dependent Hall coefficient, mobility and carrier concentration of vacuum evaporated Ag₂Te thin films” Presented at Arts and Science College, Ozar, Dist. Nashik on 23-24 Dec 2014
- 13) Paper entitled “Home Automation using mobile Phone” Presented at L.V. H Arts and Science College, Panchavati, Nashik on 12-13 Jan. 2015
- 14) Paper entitled “Result of thickness dependent electrical resistivity and thermoelectric power of SbSe thin films” Presented in National Conference on Recent Development in Nanomaterials and their Applications. (NCRDNMA-2016) organized by G.T.Patil Arts, Science and Commerce College, Nandurbar on 5-6 Feb 2016.
- 15) Paper entitled “Composition dependent electrical conduction of Sb-Se thin films at room temperature” Presented in National Conference on Emerging trends in Chemistry and Nano Sciences (ETCN-2017) organized by L. V. H Arts, Science and Commerce College, Panchavati, Nashik 20-21 Jan 2017.

(C) Regional/ State level Conferences (14):

- 1) Regional Conference for Pune University College Teachers “INNOVATION 2008-09” for the discipline in Physics held at PVP College, Pravaranagar on 26th and 27th Nov.2008.
- 2) Regional Conference for Pune University College Teachers “INNOVATION 2009-10” for the discipline in Physics held at N.A.C.& Sc. College, Ahmednagar on 9th and 10th Dec 2009.
- 3) State level seminar on Basic Concepts of Experiments in material Science and Nano Technology in Research point of view at Arts, Science and Commerce College Satana on 11-12 Jan.2010.
- 4) State level seminar on Recent Trends in Sensors and Advanced Materials at M. S.G.College, Malegaon Camp 27-28 Jan..2010.

- 5) Regional Conference for Pune University College Teachers "INNOVATION_2010" for the discipline in Physics held at H.V.Desai College, Pune on 22-23 Nov.2010.
- 6) State level seminar on "Interdisciplinary Applications of Nanotechnology" at Smt. Pushpatai Hiray Arts, Science and Commerce Mahila Mahavidyalaya, Malegaon Camp on 24-25 Jan. 2011.
- 7) One day Regional Level seminar on Recent Trends in Electronics organized by Department of Physics Arts, Science and Commerce College Surgana on 25th Jan. 2012.
- 8) State level Conference on "Recent Trends in Biophysics and Medical Electronics" Organized by Department of Physics KJ Somaiya Arts, Science and Commerce, College, Kopergaon on 10th & 11th Feb. 2012.
- 9) State level Workshop on "Emerging Trends in Solar Energy, wind Energy and Fuel Cells" Organized by PVG'S, College of Engineering, Nashik on 24th & 25th Feb.2012.
- 10) Regional Research Conference for Pune University College Teachers "INNOVATION_2012" for the discipline in Science held at Bhartiya Jain Sanghatna's Art's , Science & Commerce College on 26th & 27th March 2012.
- 11) Two days state level conference on "Recent trends in Nano technology" organized by Department of Physics and Electronics Science, L.V.H. College, Panchavati, Nashik-3 on 28th and 29th Dec. 2012.
- 12) State level Conference on " Recent Trends in Advance Communication" Organized by Department of Physics and Electronic Science, K.A.A.N.M.Sonawane Arts, Science and Commerce College, Satana on 5th & 6th Feb 2014.
- 13) State level Conference on "Thick and Thin Films (Deposition, Characterization and Applications) " Organized by Department of Physics Arts, Science & commerce College Ozar Mig, Tal. Niphad, Dist. Nashik on 21st & 22nd March 2014.
- 14) Two days state level conference on "Nano technology & Human Health" organized by Department of Physics, K.P.G. Arts, Science & commerce College Igatpuri Dist. Nashik on 16th and 17th Jan. 2015.

(D) Local/ University/ College Level Conferences (20):

- 1) One day workshop on "Fundamental of Thin Film Technology" Organized by P.G. Department of Physical Chemistry M.S.G.College Malegaon Camp on 3rd March 1994.
- 2) One day workshop for Electronics Science teachers at Poona College 23rd Sept 2001.
- 3) F.Y.B.Sc. Electronics Syllabus framing from 21th to 25th June 2002.
- 4) Presentation and Demonstration of Electronic Practicals at B.Sc. level organized by Dept. of Physics and Electronics at M.S.G. College Malegaon Camp on 16th and 17th Jan. 2003.
- 5) Workshop on Curriculum Development in Physics for S.Y.B.Sc. at Arts, Science and Commerce College Satana on 17th Feb 2003.
- 6) Workshop on revised Syllabus of S.Y.B.Sc. Electronic Science at Abasaheb Garware College Pune-04 on 28th and 29th July 2003.
- 7) Workshop on Syllabus Framing of T.Y.B.Sc. Electronic Science at L.V.H. College Panchavati Nashik-03 on 29th Nov 2003.
- 8) "Challenges of Higher Education" conducted by PUCTO on 24th Sept 2006.
- 9) "Use of Computer Simulations and Information Technology for Physics teaching at UG Level" at Arts, Science and Commerce College, Saikheda, Tal: Niphad, Dist: Nashik on 18th December 2006.

10) “Syllabus in B.Sc. Physics and Project Work” at Arts, Science and Commerce College, Deola, Tal: Deola, Dist: Nashik on 20th January 2007.

11) “Revision of M.Sc. Part-I Syllabus” at Poona College, Pune on 11th Aug 2007.

12) Orientation Workshop for “Avishkar” H.P.T. Arts and R.Y.K. Science College, Nashik on 12th August 2008.

13) “S.Y.B.Sc. Physics Syllabus Framing Workshop organized by Department of Physics H.P.T. Arts and R.Y.K. Science College, Nashik on 17th Dec. 2008.

14) “Semiconductor Gas Sensors” at Arts Science and Commerce College Nandgaon on 27th Dec. 2008.

15) “T.Y.B.Sc. Physics Syllabus Framing Workshop organized by Department of Physics H.P.T. Arts and R.Y.K. Science College, Nashik on 8th Dec. 2010.

16) Workshop on “Academic Performance Indicators For Promotion of Teachers and Organizational Development” organized by PUCTO at Nashik on 26th Sept 2010.

17) Workshop on “Nano materials” at Arts, Commerce and Science College Kalwan on 18th Jan.2011.

18) One day workshop on “Revision of Syllabus for B.Sc. Physics” organized by Department of Physics K.K.W. Arts , Science and Commerce College, Pimpalgaon on 26th Dec. 2012.

19) “S.Y.B.Sc. Physics Syllabus Framing Workshop organized by Department of Physics Arts, Science & commerce College Ozar Mig, Tal. Niphad, Dist. Nashik on 1st March 2014.

20) “A one day Workshop on T.Y.B.Sc. Physics Syllabus Revision” organized by Department of Physics L. V. H. Arts, Science & Commerce College, Panchavati, Nashik on 28th Jan. 2015.

(E) One Week Workshop (01):

One Week MEMS Design and Simulation Workshop Organized by National MEMS Design Center (NMDC) of Department of Physics, Dr. B. A. M. University , Aurangabad (MS) during 27-31 Jan 2014.

22) Invited Lectures in the Conference/ Seminar (02):

Sr. No	Title of Lecture / Academic Session	Conference / Seminar	Organized by	Dates
1	Study of Basic Circuits in Electronics	“ Recent Trends in Electronics”	Arts ,Science and Commerce College, Surgana	25 th Jan 2012
2	Different deposition techniques of thin and thick films	Advanced Materials and Innovative Processing Ideas.	M.J.M. Arts Science and Commerce College, Karanjali	28 th Jan 2017

23) Social Awareness Award:

Sr. No	Details
1	Awarded as outstanding performance for Computer Literacy Program Jointly Organized by Pune University and ETH Research Lab. Pune at the Hands of Hon. Shri Vilasraoji Deshmukh Former Chief Minister of Maharashtra and Dr.Vijay Bhatkar, Chairman of ETH Research Lab Pune. on 1 June 2003

Yours truly

(Dr. U. P. Shinde)