

# PRIN. DR. CHANDRAKANT GOVINDRAO DIGHAVKAR

Mahatma Gandhi Vidyamandir's Arts, science and Commerce College, Surgana,  
Dist. Nashik, Maharashtra.

Mobile No.: +919423925523

e-mail ID: cgdighavkar@gmail.com

## PERSONAL DETAILS

Name Prin. Dr. C. G. Dighavkar  
Designation Principal & Associate Professor  
in Physics  
Teaching Experience UG: 35 Years & PG: 14 Years



## ACADEMIC QUALIFICATION

Sr. No.	Degree	University	Class	Year
1.	B.Sc.	S.P. Pune University, Pune	First Class	1985
2.	M.Sc.	M. S. University, Baroda, Gujarat	B+	1988
3.	Ph.D.	S.P. Pune University, Pune	--	2010

## RESEARCH DEGREE

Degree	Title	Date of Award
Ph.D.	"Study of electrical, structural and gas sensing properties of TiO <sub>2</sub> thick solid films with different dopants"	24 Nov. 2010

## CO-CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES

- **Research Guide for Ph. D. and M.Phil.**  
1) S.P. Pune University, Pune 2) J.J.T. University, Rajasthan
- **Board of Studies Member in Physics, S.P. Pune University (2018-2023)**
- **Member of MHRD Swachhata Ranking of Higher Education Institutions Expert Committee -2019**
- **District Coordinator of N.S.S. (2001-2003)**
- **District Advisory Committee member of Nehru Yuva Kendra, Nashik (2001-2003)**
- **Board of Studies Member in Electronic Science, Pune University (2001-2005)**
- **Faculty Member of Science faculty, Pune University (2001-2005)**
- **L.M.C. Member of L.V.H. College, Nashik-3 (1999-2004)**
- **College Examination Officer (CEO)**
- **Academic & Research Coordinator (ARC) (2013-2016)**
- **Appointed as Research Board of Advisor by The American Biographical Institute (1999)**

- Appointed as member of Editorial Advisory Committee in **Sensors & Transducers Journal, Spain**
- Worked as **Reviewer** in an **International Journal of Physical Sciences (IJPS), Korea**
- **Reviewer** of Journal of Science Research, **University of Bechar, Algeria**
- Member of Editorial Board in Knowledge Insight, India
- Jury at National Project Competition **Pro-Utsav'11** held at K. K. Wagh Polytechnic, Nashik, 25-26 Feb. 2011
- Examiner at **INSPIRE AWARD-2011** conducted by Govt. of India and Maharashtra on 12-14 th July 2011 at Nashik
- **Coordinator** at **State Conference** organized by **L. V. H. College**, Nashik, Dec. 28-29, 2012
- **Convener** at **National Recent Trends in Ad. Communication**, 12-13 Jan. 2015
- Worked as **PUCTO secretary** at local college unit and **Executive council member** of PUCTO at Nashik district (2004-2005).
- Member of **local Inquiry Committee** : 15 turns
- **Chairman, Moderator and Paper setter** at B.Sc. and M.Sc. Examinations, Examiner for Revaluation
- Member of **Vigilance Committee, Senior Supervisor & Custodian**
- **Chaired the Session at National Conference on Material Science; Advancement & Innovations at L.K.Dr.P.R.Ghogrey Sc. College Dhule on 20thFeb.2019**

### AWARDS

Sr. No.	Award	Level	Year
1.	Best N.S.S. Programme Officer	District	2003
2.	Best Teacher Award by Panchavati Sarvajanic Vachanalaya	State	2004
3.	Award Teacher Fellowship under FIP		2008-10
4.	Best Teacher Award by Nashik Sarvajanic Vachanalaya Nashik	State	2014
5.	Best Paper Presentation in National Conf. on Emerging Trends in Nanoscience.	National	2014
6.	<b>PATENT AWARD on design to Milk Adulteration Monitoring And Detection Device Awarded</b>	National	<b>May 2023</b>

### ORIENTATION / REFRESHER COURSES / TRAINING COURSES

Sr. No.	Course	Institution	Duration
1.	Refresher Course	Devi Ahilya Uni. Indore	26/06/91 - 16/07/91

2.	Orientation Course	Goa University, Goa	10/09/93 - 07/10/93
3.	Refresher Course	Pune University, Pune	02/07/01 - 28/07/01
4.	Refresher Course	Pune University, Pune	05/06/02 - 25/06/02
5.	Orientation Course for NSS Programme Officer	Training & Orientation Centre, Ahmednagar College, Ahmednagar	03/12/1996 - 12/12/1996

### BOOK PUBLICATIONS

Sr No.	Title	ISBN /ISSN No.
1.	TiO <sub>2</sub> Thick Film Gas Sensor, LAMBERT Academic Publishing	978-3-8443-8755-1
2.	Metal Oxide Based Sensors, LAMBERT Academic Publishing	978-3-659-78496-5
3.	Mechanics and Properties of Matter, Prashant Publications	978--93-85664-72-4
4.	Principles & Applications Prashant Publications	978--93-85664-72-4
5.	Practical Physics, Prashant Publications	978--93-85664-72-4

### RESEARCH PROJECTS(MAJOR/MINOR AND OTHER PROJECTS)

Sr. No.	Title of the Project	Name of the funding agency	Amount in Rs.	Duration	Completed / ongoing
1.	Preparation and Characterization of thick films of solids of some Metals	BCUD, Pune University	1,00,000	2006 - 2008	Completed
2.	Semiconducting Metal Oxide Based Nano Sensors for Humidity and Selective Gas Pollutant Detection	U.G.C., New Delhi	15,08,300	2012 - 2015	Completed

### STUDENTS REGISTERED FOR PH.D./ RESEARCH PROJECT

	Awarded	Submitted	Pursuing
Ph.D	03	01	05
Project	01 Research Fellow	-	-

### LECTURES DELIVERED AS RESOURCE PERSON /KEY NOTE

Sr.No.	Topic	Venue
1.	Presentation & Demo. of T.Y. B. Sc. Practical Paper-VIII using C-Programming	<b>State</b> Level workshop at M.S.G. College, Malegaon, 16-17 Jan 2003
2	Project Competition	<b>National</b> Project Competition Polytechnic, Nashik, 25-26 Feb 2011
3	Recent Trends in Electronics	<b>Regional</b> Conference at A.S.C. College, Surgana, Nashik, 25 Jan 2012
4.	To understand changing Trends from better system to e-commerce offline to online	<b>State</b> Level Seminar, PCMCS College, Nashik, 29-30 Jan 2016
5.	Community Mental Health:Issues and Challenges	4th <b>International Conference</b> of Indian Academy of Health Psychology 23-25 Nov.18
7	Waste Management Strategies: “Reduce, Reuse and Recycle”	<b>State</b> Level Seminar by A.S.C.College, Surgana, 17-18 Januray, 2019
8	Research Methodology	<b>State</b> Level Seminar by L.V. H.College, Surgana, 30-31 Januray, 2019
9	Best Practices in Higher Education	<b>National</b> Conference by L.V.H. College, 30-31 Januray, 2020

### RESEARCH PAPERS PUBLISHED IN REFERED JOURNAL

Sr. No.	Title of the paper	Name of the journal	ISSN/ISBN NO.	Impact factor
1.	Study on Gas Sensing Performance of TiO <sub>2</sub> Screen Printed Thick Films	Sensors & Transducers Journal	ISSN 1767/5479	6.03
2.	Effect of Firing Temperature on Electrical and Structural characteristics of Screen Printed TiO <sub>2</sub> Thick Films	Opto-electronics & Advanced Materials- Rapid Communication (OAM-RC)	ISSN 1841-7132	0.80
3.	Effect on H <sub>2</sub> S Gas Sensing Performance of Nb <sub>2</sub> O <sub>5</sub> Add to TiO <sub>2</sub> Thick Films	Sensors & Transducers Journal	ISSN 1767/5479	6.03
4.	Ammonia gas Sensing performance of Cr <sub>2</sub> O <sub>3</sub> added TiO <sub>2</sub> thick films,197-207	Solid state Science And Technology	ISSN 0128-7389	-
5.	Effect on Ethanol Gas Sensing Performance of	Sensors & Transducers Journal	ISSN 1767/5479	6.03

	Cu Addition to TiO <sub>2</sub> Thick Films			
6.	Influence of Firing Temperature on Compositional and Structural Properties of TiO <sub>2</sub> thick Films	Inverties J. Of Science and Technology	ISSN0973-8940	-
7.	Al-doped TiO <sub>2</sub> Thick Film Resistors as H <sub>2</sub> S Gas Sensor	Sensors & Transducers Journal	ISSN 1767/5479	6.03
8.	Microstructural Analysis of Screen Printed TiO <sub>2</sub> thick Films	Journal of Science Research	ISSN 2170-1237	-
9.	NO <sub>2</sub> Gas Sensing Properties of Screen Printed ZnO Thick Films	Sensors & Transducers Journal	ISSN 1767/5479	6.03
10.	Effect of Firing Temperature on Electrical and Structural characteristics Of Screen Printed ZnO Thick Films	Opto-electronics & Advanced Materials - Rapid Communications (OAM-RC)	ISSN 1841-7132	-
11.	Formulation and characterization of Cr <sub>2</sub> O <sub>3</sub> doped ZnO thick films as H <sub>2</sub> S gas Sensor	Sensors & Transducers Journal	ISSN 1767/5479	6.03
12.	Influence of Firing Temp. on Compositional and Structural Characteristics of ZrO <sub>2</sub> Thick Films Gas Sensor	Sensors & Transducers Journal	ISSN 1767/5479	6.03
13.	Influence of Nb <sub>2</sub> O <sub>5</sub> doping on ZnO thick film gas sensors	Journal of Optoelectronics and Material sci.	ISSN: 1841-7132	-
14.	Study of Microstructural Parameters of Screen Printed ZnO Thick Film Sensors	Sensors & Transducers Journal	ISSN 1767/5479	6.03
15.	Effect of Firing Temp. on Structural parameters of Screen printed ZnO Thick Film Sensors	Inverties J. Of Science and Technology	ISSN0973-8940	-
16.	Formulation and Characterization of Cu Doped ZnO Thick Films as LPG Gas Sensor	Sensors & Transducers Journal	ISSN 1767/5479	6.03
17.	Study the application of	Lab Experiments	ISSN 0972-6055	-

	Ambipolar transport equation in semiconductors using MATLAB			
18.	Effect of Firing Temperature On the Composition and Structural Parameters of Screen Printed ZrO <sub>2</sub> Thick Film	Sensors & Transducers Journal	ISSN 1767/5479	6.03
19.	Thermo luminescence of NaCl: Ca (Tp) pellets and its use in beta-dosimetry	International Journal Bulletin of Electro-Chemistry	ISSN 0256-1654	-
20.	Photoconductivity study as a function of thickness and composition of Zn-Te thin films for different illuminated conditions at room temperature	Opto-electronics & Advanced Materials-Rapid Communications(OAM-RC)	ISSN 1841-7132	0.80
21.	Fluorescence Study of Sm Doped Barium Magnesium Aluminate Phosphor	Journal of Science Research	ISSN 2170-1237	-
22.	Al doped ZnO thick films as CO <sub>2</sub> gas sensors	Opto-electronics & Advanced Materials-Rapid Communications (OAM-RC)	ISSN 1841-7132	-
23.	Effect of Cr <sub>2</sub> O <sub>3</sub> by doping and dipping on gas sensing characteristics of ZnO thick films	Journal of Electron Devices	ISSN 1682-3427	-
24.	Services provided by cloud computing and various issues related with it	International Journal of Latest Technology in Engg.Management & Applied Science	ISSN 2278-2540	-
25.	Software as a Service (SaaS) providedby cloud computing	International Journalof Latest Technology in Engg. Mgt. & Applied Science	ISSN 2278-2540	-
26.	Computational Studies on Structure and Vibrational Spectra of o-Chlorophenol and Tetrahydrofuran	International Journalof Research in Pharmacy & Chemistry	ISSN 2231-2781	-
27.	Effect of metal	International JournalOf	--	-

	Oxides doping on gas sensing characteristics of nano material	Global Research in Sci. & Technology		
28.	Fluorescence and Thermoluminescence (TL) Studies of Ce Doped BaMgAl <sub>10</sub> O <sub>17</sub> Phosphor	International Journal Of Global Research in Sci. & Technology	--	-
29.	Synthesis And Characterization Of Thenanocrystalline Zinc Oxide Thick Films By Chemical Bath Deposition	International Journal of Multidisciplinary Research (IJMR)	ISSN 2277-9302	-
30.	Effect Of Cr <sub>2</sub> O <sub>3</sub> As An Additive On Structural And Electrical properties Of Screen Printed ZnO Films	International Journal of Multidis.Research (IJMR)	ISSN 2277-9302	-
31.	Fe <sub>2</sub> O <sub>3</sub> Doped ZnO Thick Films As NH <sub>3</sub> Gas Sensors	International Journal of Multidis.Research (IJMR)	ISSN 2277-9302	-
32.	Characterization of Nanosized Zinc Oxide based Ammonia gas sensor	Archives of Applied Science Research	ISSN 0975-508X	-
33.	Mechanochemical Synthesis, Char. and Gas sensing Property of nano-ZnO	Archives of Applied Science Research	ISSN 0975-508X	-
34.	Synthesis of Ferric Oxide Nanoparticles for Gas Sensors Using Screen Printed Thick Films	International Journal of Chem. & Phys. Sci., IJCPS Vol. 3 Special Issue – NCETNN, Dec-2014, PP 1-6	ISSN 2319-6602	3.799
35.	Surface tension as a function of temperature and conce. of liquids	Int. Journal of Chem. & Phys. Sci., IJCPS Vol.4, No.3, May- Jun 2015	ISSN 2319-6602	3.799
36.	Semiconductor metal oxide compounds based gas sensors	A literature review, Front. Mater. Sci.2015, 9(1): 14–37	--	-
37.	Ethanol vapour sensing	Adv. Materials Research,	--	-

	property of Nitrogen doped ZnO fabricated by Spray pyrolysis	Vol 1110 (2015) pp 231-234		
38.	Comparative Hydrogen Bond Studies Of O-Chlorophenol + Cyclic/Acyclic Ether..By Exp. & Dft Methods	Int. J. Chem.Sci, 13(4), 2015, 1765-1776	ISSN 0972-768X	-
39.	Synthesis of ZnO-TiO <sub>2</sub> Nanocomposite Via Mechanochemical Method	International Journal of Scientific Engg. & Applied Sciences (IJSEAS), Vol.2, Issue-3, March 2016,PP.137-143	ISSN 2395-3470	-
40.	Effect of Pt Doping on ZnO Nanoparticles, International	Journal of Recent Trends in Engg. & Research, Vol.2, Issue.3, March-2016, PP. 1-3	ISSN 2455-1457	-
41.	Impact Of Milk Adulteration On Food Safety And Human Health In India: A Review	World Journal Of Pharmacy And Pharmaceutical Sciences, Volume 5, Issue 8, 636-644	ISSN 2278-4357	6.041
42.	Quantitative and Qualitative Analysis of Milk Parameters using Arduino Controller	International Journal of Adv. Research in Comp. & Comm. Engg., Volume 5, Issue 8, August 2016, Pp. 46-49	ISSN 3297-2007	5.332
43.	Synthesis of TiO <sub>2</sub> Nanoparticle by Mechanochemical Method	International Journal of Recent Trends in Engg. & Research, Volume 02, Issue 09, Sept.-2016, PP. 1-3. ISSN: 2455-1457	ISSN 2455-1457	3.344
44.	Synthesis Characterization and Application of SnO <sub>2</sub> Nanoparticles	International Journal of Recent Trends in Engg. & Research, Volume 02, Issue 09, Sept.-2016, PP.1-3. ISSN: 2455-1457	ISSN 2455-1457	3.344
45.	Synthesis & Characterization of Fe <sub>2</sub> O <sub>3</sub> Nanoparticles Screen Printed Thick Films	Proceedings of National Conf. On Advanced in Electronics & its Interdisciplinary Applications	ISBN 978-93 5174-7833	-



46.	Mechanochemical synthesis, characterization and photocatalytic degradation of Methyl orange by nano-ZnO	Researchers World, Vol.IX, Special Issue, Jan.2018,pp.10-15	ISSN:2231-4172	3.19
47.	Influence of Firing Temperature on Nature of Screen Printed WO <sub>3</sub> Thick Films	Researchers World, Vol.IX, Special Issue, Jan.2018, pp.01-04	ISSN:2231-4172	3.19
48	Innovations in Teaching , Learning and Evaluation in Higher Education,Page 6-10, Vol.III, Issue-I, Jan-March-2019	Ajanta Publication, Vol.III, Issue-I, Jan-March-2019, Page 6-10	ISSN: 2277-5730	5.5
49	Computed Design and Development of Model for Identification of Indian Citizen through unique ID, Page 43-51, Vol.III, Issue-I, Jan-March-2019	Ajanta Publication, Vol.III, Issue-I, Jan-March-2019, Page 43-51	ISSN: 2277-5730	5.5
50	The Effect of Temperature on Specific Rotation of Optical Active Substance Sugar and Acetic Acid	Ajanta Publication, Vol.III, Issue-I, Jan-March-2019, Page 99-102	ISSN: 2277-5730	5.5
51	The Effect of Temperature on Viscosity of Glycerine, Water, Paraffin Oil	Ajanta Publication, Vol.III, Issue-I, Jan-March-2019, Page 112-115	ISSN: 2277-5730	5.5
52	Review on: Perovskite recent progress and synthesis, characteristic, Applications.	International Journal of Research and Analytical Reviews (IJRAR) January 2019, Volume 6, Issue 1 Page 223-231	E-ISSN 2348-1269, P- ISSN 2349-5138	
53	Physical Properties of Zinc Sulphide (ZnS) thin film by Electrochemical Deposition,	JETIR April 2019, Vol. 6, Issue 4		
54	A Review on: Renewable Energy Sources and Generation of Photovoltaic Solar Technology	International Journal of Scientific Development and Research (IJS DR) April 2021   Volume 6, Issue 4, Pages 613-622	ISSN: 2455-2631	

55	Impact of COVID-19 on Higher Education in Maharashtra	'RESEARCH JOURNEY' International E- Research Journal Sp. Issue – 264, April-2021 : India's Sustainable Dev. Goal in 21st Century, P-16-20	2348-7143	6.625 (2019)
56	APBs method for the IBFS of a Transportation Problem and comparison with North West Corner Method	GANITA, Vol.71(1), 2021, 109-114	ISSN: 0046-5402	
57	New Congruence Method towards Assignment Problem	GANITA, Vol.71(1), 2021, 199-204	ISSN: 0046-5402	
58	Study of Electrical, Structural and Gas Sensing Properties of ZnO Nanoparticles Synthesized By Green Synthesis Method	International Journal of Science & Engineering Development Research, Vol.7 Issue 3, March-2022	2455-2631	
59	Synthesis And Characterizations Of Cuo-Zno Nano Composite Binary Oxide Thick Films As H <sub>2</sub> s Gas Sensor	International Journal of Creative Research Thoughts, Vol.10 Issue 2	2320-2882	7.97
60	Review On: Synthesis Of Perovskite Using Sol-Gel Approach	International Journal of Creative Research Thoughts, Vol.10 Issue 2	2320-2882	7.97
61	Synthesis And Characterization Of Zinc Oxide Nanoparticles Using Green Synthesis Method	International Journal of Creative Research Thoughts, Vol.10 Issue 2	2320-2882	7.97
62	Synthesis techniques and applications of rare earth metal oxides semicond.: A review	ELSEVIER : Chemical Physics Letters 796 (2022) 139555	0009-2614	2.328
63	Analysis Of Milk Parameters Using Electronic Sensors	Journal of the M.S. Uni. of Baroda, Vol.-56, No.1 (VIII) 2022	0025-0422	UGC Care-Group-1
64	Forming of Room Ambient PSS Cell Using F-127 With PVA Blend as a Hole Transport Material	International Journal for Multidisciplinary Research (IJFMR) Volume 3, Issue 3, May-June 2021	2582-2160	

65	A Review on: Biological Synthesis Techniques of Zinc Oxide Nanomaterials Using Different Plant Extracts and Their Biomedical Applications	Journal of Xi'an University of Architecture & Technology, Vol. XV, Issue 9, 2023	1006-7930	UGC Care
----	---	--	-----------	----------

### PAPER PRESENTED IN SEMINARS / CONFERENCES / WORKSHOPS

INTERNATIONAL LEVEL				
Sr. No.	Title	Place	Year	
1.	H <sub>2</sub> S gas sensing properties of screen printed titanet thick film	<b>International Conference</b> on Sensing Technology (ICST-2010) Lecce, Italy	3-5	June 2010
2.	Environmental gas pollutant detection by using metal oxides doping of titanate thick films	<b>International</b> workshop and Symposium on the Synthesis & Characterization of Glass / Glass-ceramics CEMET, Pune (IWSSCGGC-2010)	7-10	July 2010
3.	Nano technology: For human needs	<b>International</b> Interdisciplinary Science Conference (I-ISC2010) Jamia Millia Islamia, New Delhi	2-4	Dec. 2010
4.	Gas sensing performance of semiconductor metal oxides	<b>International Conf.</b> on Frontiers In Materials Science And Environment, Chennai	11-13	Jan. 2012
5.	Synthesis and Characterization of the Nanocrystalline Zinc oxide Thick films by hemical bath deposition	<b>International Conf.</b> on Engg. & Physical Sciences, Bangkok, Thailand	20-21	June 2013
6.	Managing and analysis of acoustic signal module for speaker identification	<b>International Conf.</b> 2014 on Multifacets of B.M., Institute of Management & Research, Nashik-3	2014	
7.	Fuel Mileage Indication and Fuel Theft Detection Using GSM	<b>International Conf.</b> on Application of Advanced Technology For Enhancing Quality of Sciences Education at Modern College, Pune	26-27	Feb. 2015
8.	Synthesis & Characterization of M.O. nano particles for gas sensors	<b>International Conf.</b> on "Emerging Trends & Issues in Research & Development" M.S.G.College, Malegaon	17-18	Feb. 2016

9.	Mechanochemical synthesis, characterization and photocatalytical degradation of Methyl orange by nano-ZnO	<b>International Conf. On</b> "Innovations In Nano-Materials & Their Applications(ICINA-2018)	18-20 Jan. 2018
10.	Computed Design & Developement of Model for Identification of Indian Citizen through unique ID	<b>International Conf. On</b> "Innovations In Teaching Learning and Evaluation (ICITLE-2019)	23-24 Jan. 2019
11.	Theory and Application of Teaching: Didactics	BVM Engineering College, Vallabh Vidyanagar, India	16 June 20
12.	Signal Interference overcome by shielding	<b>International Conf. On</b> "Emerging Trends &Challenges in Electronics &Computing" (ETEC-2021), Y.C. Institute of Sc. Satara	04-06 March 2021
13.	Smart Materials: Application to Devices	<b>Kamla Nehru Mahavidyalaya, Nagpur</b>	17-18 May 2021

#### NATIONAL LEVEL

Sr.N.	Title	Place	Year
1.	NaCl: CaPellets & its use in beta dosimeter	National symposium on Material Science, CERI, Karaikudi, TamilNadu	Nov.19 88
2.	Image processing using Matlab	National Seminar on Advances in Software Technology, S. N. Arts, D. J. Malpani Commerce & B. H. Sarda College, Sangamner	4-6Feb. 2006
3.	UV enhancement of the gas sensing properties of nano-TiO <sub>2</sub>	National Conf. on "Physics & Chemistry of MaterialsPCM-08" MAE, Alandi(D), Pune	Jan. 2008
4.	The Gas sensing Properties of Nano Crystalline Titanate	National Seminar on "Nano science", A.S.C. College, Sinnar	21-23, Jan.10
5.	Influence of firing Temp. on compositional properties of TiO <sub>2</sub> thick films	Recent trends inMathematics A. S. C. College, Nandagaon, Dist. Nashik	20-22 Feb. 10
6.	Simulation of Half Wave Rectifier Using MATLAB	National Conference on " Recent Trends In Mathematics", L.V.H.College, Nashik	27-29 Jan. 11
7.	Analysis of Various Electronic Circuits by using MATLAB	National Workshop on " Recent Development In Graduate Mathematics", L.V.H.College, Nashik	6-8 Feb. 2012
8.	Effect of Metal Oxides Doping on Gas sensing Characteristics of TiO <sub>2</sub> Films	National Conf. on Indian Development And Ideal Semiconductors for Novel Applications, A.S.C. College, Navapur	6-7 Oct. 2012
9.	Synthesis & characterization	National Seminar on Nanomaterials	21-23

	of nano Zink oxide materials of screen printed thick films	Avenue K.T.H.M. College, Nashik	Oct. 2013.
10.	Synthesis of Ferric Oxide nanoparticles for gas sensors	National Conference on Emerging Trends In Nanoscience & Nanotechnology, A. S. C. College, Ozar	23-24 Dec. 2014
11.	Synthesis & Characterization of Fe <sub>2</sub> O <sub>3</sub> Nanoparticles	National Conference on Advanced in Electronics & its Interdisciplinary Applications Fergusson College, Pune	19-20 Sept. 2014
12.	Programming in MATLAB to understand various images processing techniques	National conference on "Recent trends in fractional calculus", L.V.H. College, Panchavati, Nashik	10-11 March 2016
13.	RF Based Remote Robot FOR Detection of Gas in Hazardous Area.	National Conference on "Recent Trends In Advanced Comm.", L. V. H. College, Nashik	12-13 Jan. 2015
14.	Quality Initiatives in Revised Accreditation Framework of NAAC & E-Content Dev.	M.G.Vidyamandir's , A.S.C. College, Manmad Dist. Nashik	7-11 July 2020
15.	Utilising Digital Resources for E-Content Development & Designing	Karmaveer Bhausaheb Hiray , A.S.C. College, Nimgaon Tal. Malegaon	16-17 July 2020
16.	AQAR, IQA & SSR Preparation under Revised Assessment & Accreditation Framework along with Challenges & Remedies in HEI of Tribal Area	M.G.Vidyamandir's A.S.C.College, Surgana, Dist. Nashik	8-9 Jan.21
17.	India's Sustainable Development Goals in 21st Century	M.G.Vidyamandir's , A.S.C. College, Manmad Dist. Nashik	28-30 April 21

#### STATE LEVEL

Sr.N	Title	Place	Year
1.	Studies on electrical resistivity & struct. Properties of thick films	INNOVATION-2007, BCUD, University of Pune	19-20, 2007
2.	Synthesis of nano crystalline TiO <sub>2</sub> Materials	INNOVATION-2008-09, PVP College, Pravranagar	26-27 Nov. 08
3.	A survey on Thick Film Gas Sensor	State Level Seminar "Recent Trends In Sensors and Ad. Materials" M.S.G. College, Malegaon	27-28 Jan. 2010
4.	Effect of Firing temp.on Struct.&Opt.properties of TiO <sub>2</sub>	State Conference on "Recent Trends In Nano Technology", L. V. H. College, Nashik	28-29 Dec 12
5.	Recent trends in nanotechnology: A boom for human needs	Nanotechnology & Human Health KPG Arts, Commerce & Science College, Igatpuri, Dist. Nashik	16-17 January 2015
6.	Digital Image Processing	State Level Seminar "Recent Trends In	21-22

		Image Processing” K.K.W.A.S.&C College, Pimpalgaon, Nashik	Jan. 2016
7.	Role of Electronics in e-Commerce	State Level Seminar “ To understand changing Trends from better system to e-commerce offline to online” PCMCS College, Nashik	29-30 Jan. 2016
8.	Vapor of C <sub>2</sub> H <sub>5</sub> OH sensing performance of on titanate films	State Level Seminar “Ad. Sc. & Technology of Nanomaterials”, S.G.Patil A,S & C.College, Sakri	8-9 March 2010
9.	Conceptual Understanding of Geographical Indications, Patents and Copyrights	M.G.Vidyamandir’s L.V.H. College, Panchavati, Nashik	9-10 May 20
10	Restructuring Syllabus of T.Y.B.Sc. Physics CBCS Pattern	PDEA’S Annasaheb Magar College, Hadapsar, Pune	4-5 June 21
11	Outcome Based Education & It’s Attainment	M.G.Vidyamandir’s L.V.H. College, Panchavati, Nashik	15-17 July 21
12	Implementation of Syllabus for T.Y.B.Sc. Electronic Science CBCS Pattern 2021	P.V.P.College of Arts, Sci. & Commerce, Pravaranagar Dist. Ahmednagar	11-13 Oct. 21

**Place:** Nashik, Maharashtra

**Date:** 19/09/2023

**(Prin. Dr. C.G. Dighavkar)**