

**Name of the Faculty: Dr. ANIL BHIMRAO PATIL**

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❖ <b>Designation</b>	Assistant Professor in Electronic Science					
❖ <b>Name of the Department</b>	Electronic Science					
❖ <b>Name of College</b>	Mahatma Gandhi Vidyamandir's L. V. H. Arts, science and Commerce College, Panchavati, Dist. Nashik (MS)-422003 (INDIA)					
❖ <b>Name of the Institute</b>	Mahatma Gandhi Vidyamandir, 6th Floor, Dental College Bldg. Panchavati, Nashik-03					
❖ <b>Qualification</b>	M. Sc., M. Phil., Ph.D., SET, NET					
❖ <b>Administrative Experience:</b>	<ul style="list-style-type: none"> <li>Worked as member of <b>Admission committee</b> formed by authority of college and management.</li> <li>Worked as member of <b>Time table committee</b> formed by authority of college and management.</li> <li>Worked as member of <b>Mentor</b> for T.Y.B.Sc. class at college level.</li> <li>Worked on various committees formed by authority of college and management.</li> </ul>					
❖ <b>Representation on Academic / Administrative bodies / Member of organizational bodies:</b>	<ul style="list-style-type: none"> <li>Working as <b>Co-ordinator, 10 credit compulsory courses by SPPU, Pune</b> at College Level.</li> <li>Working as <b>Co-ordinator, Skill Development Cell of NSQF</b> at College Level.</li> <li>Working as <b>Covener, NAAC Criteion -1</b> at College Level.</li> <li>Working as <b>Advisory Member</b> at <b>Atal Tinkering Labs</b> at <b>School Level</b>.</li> <li>Worked as <b>Co-ordinator, Career Counselling and Placement Cell</b> at College Level.</li> <li><b>Paper Setter and Moderator</b> at S. Y. B. Sc. and M. Sc. in Electronic Science, S. P. Pune University, Pune.</li> <li><b>Examiner</b> (Internal/External) for Theory and Practical at B.Sc. and M. Sc. Level conducted by S. P. Pune University, Pune.</li> <li><b>Organising Secretary</b> at S. P. Pune University, Pune sponsored "International Conference on Innovations in Nanomaterials And Their Applications (ICINA-2018)" organized by M. G. Vidyamandir's L. V. H. Arts, Science and Commerce College, Panchavati, Nashik-422 003 (MS) during 18-20th Jan. 2018.</li> <li><b>Organising Secretary</b> at S. P. Pune University, Pune sponsored "International Conference on Innovations in Teaching, learning and Evaluation in Higher Education (ICITLE-2019)", organized by M. G. Vidyamandir's L. V. H. Arts, Science and Commerce College, Panchavati, Nashik-422 003 (MS) during 23-24th Jan. 2019.</li> </ul>					
❖ <b>Teaching Experience:</b>	08 Years, 08 Months					
❖ <b>Awards / Recognitions:</b>	Awarded a Ph.D. degree in Electronic Science on 04 May 2022					
❖ <b>Research Guidance for Ph. D. / PG Project:</b>	PG dissertation on project of M.Sc. [Part-2] classes					
❖ <b>Research paper published / presented</b>	<b>1. Research paper published =16</b>					
Sr. No.	Title of the Paper	Name of the journal	Volume & Issue No	Page Nos	Month and Year	ISSN No.
1	Synthesis and characterization of sol-gel derived CeO <sub>2</sub> dielectric thin films for CMOS devices	Optoelectronics And Advanced Materials – Rapid Communications	Vol. 2, No. 12	811 - 813	Dec. 2008	1842 – 6573
2	Preparation and Characterization of ZnO Nanoparticles by Chemical Route Method	Researchers World	Vol. – IX, Special Issue	225-230	Jan. 2018	2231-4172
3	A Review on Graphene & its Derivatives for Gas Sensors	Journal of Emerging Technologies and Innovative Research (JETIR)	Vol. 5, Issue-11	764-774	Nov, 2018	2349-5162

4	A Review on E-Waste and its Management	Ajanta Publication	VII, Issue-II	54-60	April-June 2018	2277-5730
5	Impact of the Evolution of Smart Phones in Education Technology and its Applications in Learning Electronic Circuits	Ajanta Publication	VIII, Issue-1	11-19,	Jan-Mar 2019	2277-5730
6	Virtual Laboratory- An Innovative Teaching and Learning Method	Ajanta Publication	VIII, Issue-I	20-27	Jan.-Mar. 2019	2277-5730
7	MATLAB: Advanced Teaching and Learning Tool	Ajanta Publication	VIII, Issue-I	61-66	Jan.-Mar. 2019	2277-5730
8	RF Controlled Arduino Based Mine Detector and Position Spying Robot	Ajanta Publication	VIII, Issue-1	77-85,	Jan-Mar 2019	2277-5730
9	SWAYAM- A Digital Platform for Distance Learning in Higher Education	Ajanta Publication	VIII, Issue-1	137-139	Jan-Mar-2019	2277-5730
10	Patient Health Monitoring System Using IoT	International Journal of Scientific Research & Engineering Trends (IJSRET)	Volume 7, Issue 4		July-Aug 2021	2395-566X
11	PCB DESIGN PLOTTER USING CNC SHIELD AND ARDUINO	International Journal of Research Publication and Reviews	Vol. 2, Issue-8	1-6	2021	2582-7421
12	Potentiometric Taste Sensing Using Reduced Graphene Oxide Screen Printed Electrodes	SENSOR LETTERS- American Scientific Publishers	Vol. 18, No.12	881-888	Dec. 2020	1546-1971
13	Reduced Graphene Oxide Screen Printed Thick Film as NO <sub>2</sub> Gas Sensor at Low Temperature	Advanced Materials Research - Scientific.Net scientific.net, Trans Tech Publications Ltd, Switzerland	Vol. 1167, pp,doi:10.4028/www.scientific.net/AMR.1167.43	43-55	Nov. 2021	1662-8985
14	Potentiometric Study and Statistical Analysis of Human Urine Samples Using Reduced Graphene Oxide Screen Printed Electrodes	Asian Journal of Organic & Medicinal Chemistry	Vol. 7 No. 2		April-June, 2022	EISSN :2456-8937
15	Preparation and Characterization of WO <sub>3</sub> Thick Film Resistors using Screen Printing Technique	Asian Journal of Organic & Medicinal Chemistry	Vol. 7 No. 2		April-June, 2022	EISSN :2456-8937
16	Investigation of Structural and Optical Properties of Graphene Derivatives as a Route for Optical Sensing	Materials Today: Proceeding – Elsevier journal	Communicated	-	-	

## 2. Research paper presented = 11

### INTERNATIONAL LEVEL

Sr. No.	Title	Place	Year
1	Hybrid International Conference on “Integrative Nanotechnology Perspectives for Multidisciplinary Applications (INPMA 2022)”	Rayat Shikshan Sanstha’s Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College, Manchar, Tal- Ambegaon, Dist- Pune (M.S.)	16-18 Jan. 2022
2	Three day International e-conference on “Current Research	M. G. Vidyamandir’s L. V. H. Arts, Science and Commerce College, Panchavati, Nashik (M.S.)	18- 20 Jan.2022

	in Chemistry and Nanosciences (CRCNS-2022)”		
3	Three days International e-conference on Platinum Jubilee of Indian Independence : Relevance of Gandhian Ideology,	Gandhian Study Centre, LVH College, Nashik (Sponsored by UGC, Delhi), Department of History, Board of Studies, History & Board of Students’ Welfare, S.P.P.U., Pune.	1-3 Oct. 2021
4	International Virtual Conference on Current Research in Applied and Fundamental Sciences – 2021 (CRAFTS-21)	Sandip University, Nashik in collaboration with Microbiologist Society, India.	12-13 July 2021
5	International Virtual Conference on Materials and Nanotechnology” (IVCMN-2021)	P. R. Pote College of Engineering and Management, Amravati, (MS) INDIA and Guru Nanak College of Science, Ballarpur, Dist: Chandrapur, (MS) INDIA.	29-30 April 2021
6	Virtual Laboratory- An Innovative Teaching and Learning Method	S. P. Pune University, Pune sponsored “International Conference on Innovations in Teaching, learning and Evaluation in Higher Education (ICITLE-2019)” held at M. G. Vidyamandir’s L. V. H. Arts, Science and Commerce College, Panchavati, Nashik-422 003 (MS).	23-24 Jan. 2019
7	Gas Sensitive Field Effect Transistor (FET): A Review	S. P. Pune University, Pune sponsored “International Conference on Innovations in Nanomaterials And Their Applications (ICINA-2018)” held at M. G. Vidyamandir’s L. V. H. Arts, Science and Commerce College, Panchavati, Nashik-422 003 (MS).	18-20 Jan. 2018
8	Characterization of Dopped ZnO Thin Films Prepared by CBD Method	BCUD, S. P. Pune University, Pune sponsored “International Conference on Pure and Applied Science (ICPAS-2016)” held at M. G. Vidyamandir’s M. S. G. Art, Comm. and Science College, Malegaon Camp, Dist. Nashik (MS)	12-14 Dec. 2016
9	Study of Pure ZnO thin Films Prepared by Spray Pyrolysis Deposition Technique	BCUD, S. P. Pune University, Pune sponsored “International; Conference on Emerging Trends and Issues in Research & Development (ETIRD-2016)” held at M. G. Vidyamandir’s M. S. G. Art, Comm. and Science College, Malegaon Camp, Dist. Nashik (MS)	17-18 Feb. 2016
10	Sol-gel deposited CeO <sub>2</sub> thin film as gate dielectric for CMOS technology	International Workshop on Dielectric Thin Films-08” held at TOKYO Institute of Technology, JAPAN	5-7 Nov-2008
<b>NATIONAL LEVEL</b>			
<b>Sr. No.</b>	<b>Title</b>	<b>Place</b>	<b>Year</b>
11	Study of Al doped ZnO Films by Solgel Method	UGC Sponsored National Conference on “Indian Development In Recent and Ideal Semiconductors for Novel Applications” held at ACS College, Navapur, Dist: Nandurbar (MS)	6-7 Oct. 2012

▪ **Conferences/Seminars/ Workshop/Webinars/Training participated/ organised:**

**1. Conferences/Seminars/ Workshop/Webinars attended: 21**

Sr. No.	Name of Workshop/Conference/Seminars	Organized by	Period
1	One Days Hands on Training Workshop on "Internet of Things"	Department of Electronic Sci. LVH College, Nashik	25/11/ 2021
2	Three days workshop on "Implementation of T. Y. B. Sc. Electronic Science Syllabus CBCS-2021"	PVP College of ASC, Pravaranagar, A'Nagar	11-13 Oct 2021
3	Three days Online workshop on "Implementation of S. Y. B. Sc. Electronic Science CBCS-2019 Pattern syllabus"	SPPU, Pune nd KTHM College, Nashik	1-3 July 2020
4	One Days Hands on Training Workshop on "Synthesis of Nanomaterials"	Department of Physics, Sandip University, Nashik	08/02/ 2020
5	20 Days Ph. D. Course Work	Department of Electronic Sci. LVH College, Nashik	04-24 Jan 2020
6	One day workshop on "Implementation and Methodology of New CBCS F. Y. B. Sc. And M. Sc. (Electronic Science) Syllabus".	Department of Electronic Science, MES Abasaheb Garware College, Pune in Association with BOS, SSPU, Pune	13/07/ 2019
7	One day workshop on " Interest Exploration Meeting for RESPOND"	Space Application Centre (SAC) ISRO, Ahmedabad & KTHM College, Nashik	11/07/ 2019
8	One day workshop on "Implementation and Methodology of S. Y. B. Sc. (Electronic Science) Syllabus".	Department of Electronic Science, College, Hadapsir, Pune in Association with BOS, SSPU, Pune	2014
9	UGC Sponsored National Conference on "Discovering Gandhian Philosophy: Building a Peaceful Future"	R.C. Patel ACS College, Shirpur, Dist: Dhule	1-2 Mar. 2013
10	UGC Sponsored National Seminar on "Advanced Materials and Its Applications"	SVSs Arts & Science College, Dondaicha, Dist: Dhule (MS)	1-2 Feb 2013
11	Seven Days Hands on Training Course on "Analytical Instruments"	Institute of Science, Govt. of Maharashtra, Mumbai	29 <sup>th</sup> Oct. to 4 <sup>th</sup> Nov. 2012
12	4th INUP Hands-on Training Workshop on Nanofabrication Technologies	IIT Bombay, Mumbai	25-29 April 2011
13	Special Program of NMU, Jalgaon:- "Visit to Laboratories for Exploring Current Trends & Career Opportunities"	Dept. of Physics, North Maharashtra University, Jalgaon	23 Feb 2010
14	UGC Sponsored State Level seminar on "Advances in Science & Technology of Nanomaterials"	S. G. Patil A. C. S. College, Sakri	8-9 Ma 2010
15	UGC Sponsored State Level seminar on "Current Trends in Astronomy"	Sathaye College, Vile Parle(E), Mumbai	16-17 Nov 2009
16	"2nd IEEE International Workshop on Electron Devices & Semiconductor Technology-2009"	IIT Bombay, Mumbai	1-2 June 2009
17	2nd INUP Workshop on Nanofabrication Technologies	IIT Bombay, Mumbai	30 June – 3 May 2009
18	BCUD Sponsored University Level Seminar on "Energy Awareness"	Smt. P. K. Kotecha Mahila College, Bhusawal, (MS)	30 Jan 2009

19	BCUD Sponsored University Level Conference on "Global Warming"	Smt. P. K. Kotecha Mahila College, Bhusawal, (MS)	28 Feb. 2009
20	One Day Workshop on "Acquaintance Program of Inter-University Accelerator Center, N. Delhi"	Dept. of Physics, North Maharashtra University, Jalgaon	30 April 2008
21	National Workshop & Symposium on Wave Length Division Multiplexing & De-Multiplexing for Optical Fiber Communication	Dept. of Electronics, North Maharashtra University, Jalgaon	22 Mar 2001

## 2. Conferences/Seminars/ Workshop/Webinars organized: 09

Sr. No.	Name of Workshop/Conference/Seminars/ Webinar/Visit/Training	Organizer	Period
1	Webinar on "Strategies to Crack Competitive Exam In Physical Sciences" for UG & PG students preparing for competitive exams	BOS MGV- Physics and Electronic Science in collaboration with IFAS, Pune	8 April 2022
2	Hands on Training Workshop on Mobile Repairing	Department of Electronic Sci. LVH College, Nashik	11-12/03/2022
3	National Level Webinar on Intellectual Property Rights	Department of Electronic Sci. LVH College, Nashik	23/02/2022
4	Guest Lecture series on Basics of Python Programming	Department of Electronic Sci. LVH College, Nashik	
5	One Days Hands on Training Workshop on "Internet of Things"	Department of Electronic Sci. LVH College, Nashik	25/11/2021
6	Online Webinar on Basics of Python Programming	Department of Electronic Sci. LVH College, Nashik	
7	Online 10 Days NET- SET Workshop	Department of Electronic Sci. LVH College, Nashik	20-30 /08/2021
8	S. P. Pune University, Pune sponsored "International Conference on Innovations in Teaching, learning and Evaluation in Higher Education (ICITL-2019)"	M. G. Vidyamandir's L. V. H. Arts, Science and Commerce College, Panchavati, Nashik-422 003 (MS)	23-24 Jan. 2019
9	S. P. Pune University, Pune sponsored "International Conference on Innovations in Nanomaterials And Their Applications (ICINA-2018)"	M. G. Vidyamandir's L. V. H. Arts, Science and Commerce College, Panchavati, Nashik-422 003 (MS)	18-2 Jan. 2018

## 3. ORIENTATION / REFRESHER COURSES / FDP /TRAINING COURSES: 03

Sr. No.	Course	Institution	Duration
1.	Refresher Course	UGC-HRDC, Gujarat University, Ahmadabad, Gujarat	09/07/2018- 29/07/2018
2.	Orientation Course	UGC-HRDC, Panjabi University, Patiala, Punjab	18/05/2016 - 14/06/2016
3	Faculty Development Program	SWAYAM NPTEL MOOCs	12 Week Course

▪ **Experience as Resource Person: 02**

Sr. No.	Topic	Venue	Date
1.	Microprocessors and Microcontrollers	K. K. Wagh Arts, Commerce, Science and Computer Science College, Nashik	11/09/ 2018
2	Online 10 Days NET- SET Workshop	Department of Electronic Science L. V. H. College, Panchavati, Nashik- 03	20-30/ 08 / 2021

▪ **E-content developed:**

- Youtube link: <https://www.youtube.com/channel/UC5sElfDgUING9s8FM2Cellg>

▪ **Social Media links:**

Research Scholar	<a href="https://scholar.google.com/citations?user=HVKPf_sAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=HVKPf_sAAAAJ&amp;hl=en</a>
Orchid Id	<a href="https://orcid.org/0000-0002-2471-2753">https://orcid.org/0000-0002-2471-2753</a>
Facebook	<a href="https://myaccount.google.com/family/invitemembers">https://myaccount.google.com/family/invitemembers</a>
Whats app	<a href="https://wa.me/qr/6RARI46PTZR6H">https://wa.me/qr/6RARI46PTZR6H</a>
Instagram	<a href="https://www.instagram.com/invites/contact/?i=skasfd1kr5bs&amp;utm_content=nsjdwzm">https://www.instagram.com/invites/contact/?i=skasfd1kr5bs&amp;utm_content=nsjdwzm</a>

Place: **Nashik-03**

Date: **15 / 06 / 2022**

**(Dr. Anil B. Patil)**