

Curriculum Vitae

Name: Dr. Anil Uttam Sonawane

Designation: Assistant Professor

Department: Electronics

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Education qualification: -

Degree	Course	School/University	Year	Perce. /Grade
SSC	Science	Madhyamik Vidyalaya, Wade Tal. Bhadgaon (Dist. Jalgaon), Nashik Board	2004	69.86%
HSC	Science	Rashtriya Vidyalaya, Junior College, Chalisgaon (Dist. Jalgaon), Nashik Board	2006	56.00%
B.Sc.	Electronics	Rashtriya Arts, Science & Commerce College, Chalisgaon, Dist. Jalgaon, NMU, Jalgaon	2009	66.42%
M.Sc.	Electronics	Department of Physical Sciences- North Maharashtra University, Jalgaon	2011	6.45(CGPA), B+
NET	Electronics	UGC NET, Delhi	2013	58.85%
Ph.D.	Electronics	KBCNMU, Jalgaon	2023	

Areas of Interest: -

Chalcogens doped ZnO and Rare earth metals doped ZnO for Optoelectronics Applications, Semiconductor Devices, Analog Circuit Design Techniques, Optoelectronics, Micro-controller and Applications, Arduino, Advanced Communication Systems.

Appointment held prior to joining institution: -

Sr. No.	Designation	Name of the organization	DOJ-DOL	Duration
1	R & D Engineer	Jayashree Electrodevices Pvt. Ltd.	01/09/2011-28/02/2014	2 years 6 months
2	Design Engineer	Nisan Electronics Pvt. Ltd.	01/03/2014-05/05/2014	2 months
3	Assistance Professor	Smt. Pushpatai Hiray A, S & C Mahila Mahavidyalaya, Malegaon	06/06/2014-30/04/2016	2 years
4	Assistance Professor	MSG College, Malegaon	15/07/2016-30/02/2017	8 months
5	Assistance Professor	DNCVPS Shirish Madhukarrao Chaudhari College, Jalgaon	03/04/2017-current working	9 years...

Publications Paper

Sr. No.	Topic Name	Journal /College Name	Volume/Page No., Years	ISSN No.	Level	Impact Factor
1	Investigation of optical and electrical properties of Te Doped ZnO For Solar cell Application	DNCVPS Shirish Madhukarrao Chaudhari College Jalgaon	Vol. 10 (Issue. 10), August (2020)	2230-9578	N	-
2	Impact of different post-annealing temperatures on photoluminescent and structural properties of ZnO films prepared by sol-gel technique	International Journal of creative research thoughts, peer review	Volume 10, Issue 2. February (2022)	2320-2882	I	-
3	A Comparative Study of Structural, Morphological and Optical Properties of Pure and Tellurium-Doped ZnO Nanostructures	Asian Journal of Chemistry	Vol. 34, No. 6. 1493-1497 (2022)	0970-7077	I	0.8
4	The Effect of Different Concentrations of Tellurium on the Structural and Optical Properties of ZnO Nanostructured Films Deposited by Sol-Gel Method	JOURNAL OF NANO- AND ELECTRONIC PHYSICS	Vol. 14 No 4, 04025(4pp) (2022)	2306-4277	I	1.06
5	Impact of post-annealing temperature on optical and surface properties of tellurium doped ZnO nanocrystalline films	Semiconductor Physics, Quantum Electronics & Optoelectronics	V. 25, No 4. P. 398-401. (2022)		I	1.00
6	Influence of Annealing Temperature on the Structural and Optical Properties of TelluriumDoped ZnO Thin Films for Optoelectronic Applications	JOURNAL OF NANO- AND ELECTRONIC PHYSICS	Vol. 1 No 4, 01015(4pp) (2023)	2306-4277	I	1.06

7	Tailoring the Structural and Optoelectronic Properties of Zinc Oxide Nanofilms through Europium Doping	MatSci Express	Vol. 2, No. 4, 333-341 (2025)	2997-8440	I	-
8	Annealing-induced enhancement of blue-green photoluminescence in ZnO _{0.95} Se _{0.05} nanostructured thin films for optoelectronic applications	Physica B: Physics of Condensed Matter	Vol. 718, 417862 (2025)	0921-4526,	I	3.2
9	Tunable optoelectronic properties of selenium-doped zinc oxide nanostructures fabricated via sol-gel method	Modern Physics Letters B	Vol. 40, No. 07, 2650024 (2026)	0217-9849,	I	2.2
10	Effect of Tin Incorporation on Structural, Optical and Electrical Properties of Zinc Selenide Thin Films Prepared by Chemical Bath Deposition Method	MatSci Express	Vol. 3, No. 1, 33-40 (2026)	2997-8440	I	-
11	Annealing Improvement in structural, optical and photoluminescence properties of Eu doped ZnO films	MatSci Express	Vol. 3, No. 2, 075-083	2997-8440	I	-

Publications Books

Sr. No.	Topic Name	Name	Journal /College Name	Level	Date
1	नव्या युगातील शिक्षण पद्धती	Digital Education: Resources and Techniques	Prashant Publication		

Conferences

Sr. No.	Name	College Name	National/International	Date
1	Recent Trends in Material Science and Its Applications	DNCVPS Shirish Madhukarrao Chaudhari College Jalgaon	N	13/01/2018
2	Strategies & Challenges in Higher Education during COVID-19 Lockdown Period in India with reference to the World	Government Vidarbha Institute of Science & Humanities Amravati, Maharashtra - 444 604 India	I	15-17/05/2020
3	Biomedical Instrumentation and It's Application	Kamla Nehru Mahavidyalaya, Nagpur	N	21/ 05/ 2020
4	Assimilation of Knowledge on Recent Advances in Nanomaterials during COVID-19	Smt Radhabai Sarda Arts, Commerce & Science College Anjangaon Surji, Dist. Amravati (MS)	N	16/06/ 2020
5	International Materials Science Conference – 2021	School of Physical Sciences, KBCNMU, Jalgaon,	I	18-20/03/ 2021
6	Current Research in Applied and Fundamental Science	School of Sciecn, Sandip University, Nashik	I	13/07/2021
7	Recent trends in Chemical and Physical Sciences (NCRTCPS-21)	by Departments of Electronics, S.V. S's Dadasaheb Rawal College, Dondaicha	N	01/09/ 2021
8	Advances in Material Sciences, Applied Sciences and Engineering	Dep. Of Physics, Uttamrao Patil Arts and Science College, Dahivel, Dhule,	I	10/09/2021
9	Current Innovations in Sciences (CIS-2022)	Jivan Vikas Shikshan Sanstha Risod's Late Pushpadevi Patil Arts and Science College, Risod Dist : Washim - 444506,	I	21/02/2022

Paper Presented

Sr. No.	Topic Name	Name	College Name	Level	Date
1	Investigation of optical and electrical properties of Te doped ZnO for solar cell Applications	Emerging Trends in Physical Science and Chemical Science	DNCVPS Shirish Madhukarrao Chaudhari College Jalgaon	N	18/01/2020
2	Nanotechnology	Recent Trends in Chemical and Physical Science	Dadasaheb Rawal College, Dondaicha, Dist. Dhule	N	01/09/2021
3	A Comparative	Advanced	Department of	I	23-25/11/21

	study of the structural, morphological and optical properties of pure ZnO and Te doped ZnO nanostructures	Material Science & Nanotechnology (2nd NANOMAT-2021)	Physics, Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar, Dist. Amravati, Maharashtra, India		
4	A study of the morphological, structural and optical properties of undoped and Tellurium doped ZnO nano films	Advanced materials in innovation technology	Milliya Arts, science and management science college, Beed	I	11/01/2022
5	Effect of post Annealing temperature on Chalcogen material doped ZnO thin films on their Surface and Optical properties	National E-Conference on “Recent Advances in Physical and Computational Sciences (NCRAPCS 2022)”	Dr. Annasaheb G. D. Bendale Mahila Mahavidyalaya, Jalgaon	N	15/02/2022

Syllabus Workshop organizer

Sr. No.	Name of Event	College Name	Level	Date
1	ONE DAY Workshop on Syllabus Restructuring of S.Y.B.Sc. Electronics	DNCVPS Shirish Madhukarrao Chaudhari College, Jalgaon	U	25/03/2019
2	ONE DAY Workshop on FYBSc Syllabus Restructuring based on NEP-2020 Pattern	DNCVPS Shirish Madhukarrao Chaudhari College, Jalgaon	U	23/09/2023

Syllabus Workshop

Sr. No.	Name of Event	College Name	Level	Date
1	CBCS Pattern for FYBSc Electronics	MGSM's ASC College, Chopda	U	08/08/2018
2	CBCS Pattern for FYBSc Electronics		U	

Workshops

Sr. No.	Name	College Name	National/ International	Date
1	Introduction to Arduino and Its Programming	DNCVPS Shirish Madhukarrao Chaudhari College Jalgaon	N	07/09/2019
2	Program Planning and Implementation	NSS, KBCNMU Jalgaon		26/09/2019
3	Tabacoo Control Workshop	Sambandh health Foundatiom and NSS KBCNMU Jalgaon		30/09/2019
4	Solar study lamp in the student Solar Ambassador-150 th Birth Anniversary of Mahatma Gandhi	Dept. of Energy science, IIT Bombay		02/10/2019
5	Nanomaterial Synthesis is Emerging Factor of the World	Late Pushapadevi Patil Arts & Science College Risod Dist. Washim (MS)	I	20/05/2020
6	Role of IQAC in Assessment and Accreditation Process	PSGVP Mandal's SIP Arts, GBP Science and STKVSCommerce College, Shahada, Dist - Nandurbar (M.S.)	N	22/05/2020
7	Two Days Online Workshop for Research Students in Humanities	Dhandaimata Education Society Sanchalit Arts and Science College, Amalner		02-03/06/2020
8	Assessment and Accreditation Process of NAAC	Sangameshwar College, Solapur		20/06/2020
9	The Significance of Yoga in Pandemic	N.S.S. Cell Govt. of Maharashtra, Regional Directorate of NSS, Pune and N.S.S. Dept. of KBC NMU, Jalgaon		21/06/2020
10	One Day Swachhta Action Plan Online Workshop	Mahatma Gandhi National Council of Rural Education Department of Higher Education MHRD, Government of India		24/06/2020
11	Craft of Scientific Writing	Govt. Madhav Science P.G. College Ujjain (M.P.)	N	09-10/07/2020
12	Documentation of Revised NAAC Assessment and Accreditation Process	Late Pushapadevi Patil Arts & Science College Risod Dist. Washim (MS)	N	20/07/2020
13	ICT-enabled Higher Education in India	Guru Angad Dev Teaching Learning Centre of MHRD Under PMMMNMUTT		12-13/08/2020
14	COVIS-19: Potential	NSS Dept. KBCNMU	U	23/08/2020

	Dangers and Precautions	Jalgaon and Sitaram Govind Patil Arts, Commerce and Science College, Sakri		
15	COVIS-19: Potential Dangers and Precautions	NSS Dept. KBCNMU Jalgaon and Smt. P.K.Kotecha Mahila College Bhusawal	U	23/10/2020
16	Development of ICT skills for online teaching among teachers of HEI's	Board of University Departments, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur		24-26/05/2021
17	Intellectual Property Right	B.P.Arts, S.M.A. Science and K.K.C. Commerce College, Chalisgaon		16/06/2021
18	Swayam-NPTEL and MOOCs	G H Rasoni Institute of Engg. and Tech., Nagpur		26/06/2021
19	Workshop on The Revised Accreditation Framework of NAAC	Dhandaimata Education Society Sanchalit Arts and Science College, Amalner		22-24/07/2021
20	Robotics & Automation using MATLAB	Dr D Y PATIL SCHOOL OF ENGINEERING D Y Patil Knowledge City, Charholi(Bk), via Lohegaon, Pune 412 105		01-02/09/2021
21	Online one day Syllabus framing workshop of TYBSc Electronics	Department of Electronics, Pratap College, Amalner		20/10/2021
22	IPMAXIMA 2021 workshop	Innovative Technology Enabling Center (InTEC), CSIR Institute of Minerals and Materials Technology, Bhubaneswar		7-8/01/2022
23	INUP - i2i Familiarization Workshop on Nanofabrication Technologies	IIT Bombay, Mumbai		19-21/01/2022
24	E-Workshop on Quality Management for Administration: A NAAC Perspective	Bharat college of Arts and Commerce, Baldapur		15/03/2022
25	Two Days International Workshop on "Recent Trends in Nuclear Science & Material Science	Arts, Commerce and Science College Kille-Dharur, Dist. Beed	I	5-6/09/2022
26	INUP - i2i Familiarization Workshop on Nanofabrication Technologies	IIT Madras, Chennai		21-22/08/2023
27	STARTUP & IPR	CSIR Institute of Mineral	N	11/09/2023

	Conclave	and Material Tech. Bhubaneswar		
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Orientation

Sr. No.	Name	College Name	Under	Date	Grade
1	Faculty in Universities/Colleges/Institutes of Higher Education"	Teaching Learning Centre, Ramanujan College University of Delhi	MHRD PMMMNM TT	26/06/2020 to 24/07/2020	A

Refresher

Sr. No.	Name	College Name	Under	Date	Grade
1	Refresher Course in Recent Advancement in Science and Technology (Subject area: Electronics and Communication, Applied Electronics "	UGC MHRD Centre, University of North Bengal, Raja Rammohanpur, Siliguri, Darjeeling, West Bengal.	UGC MHRD	15/02/2022 to 28/02/2022	A+

FDP

Sr. No.	Name	College Name	Under	Date
1	Five Days Online Faculty Development Program on Experiential Learning Methodology – Gandhiji's Nai Talim	Mahatma Gandhi National Council of Rural Education Ministry of Human Resource Development Government of India	Faculty Development Centre Mahatma Gandhi National Council of Rural Education (Department of Higher Education, Ministry of Human Resource Development, Govt. of India)	11/05/2020 to 15/05/2020
2	MANAGING ONLINE CLASSES and CO-CREATING MOOCS:2.0	Teaching Learning Centre Ramanujan College University Delhi	MHRD's Faculty Development Centre (PMMMNM TT), Delhi.	18/05/2020 to 03/06/2020
3	Five Days Online FDP on Green Energy and Renewable Energy for Physics and	Tapi Valley Education Society's Dhanaji Nana Mahavidyalaya, Faizpur Dist-Jalgaon (MS)	MHRD's Faculty Development Centre (PMMMNM TT), UGC-Human Resource Development Centre, Savitribai Phule Pune University, Pune	08/06/2020 to 12/06/2020

	Electronics Teachers			
4	One Week Online Faculty Development Program on Photonics	Rajarshi Shahu Mahavidyalaya Latur, (MS)	AICTE Training and Learning (ATAL) Academy	20/09/2021 to 24/09/2021
5	FDP on Real-time Embedded and IoT Systems: An Experiential Learning	Rajarambapu Institute of Technology, Rajaramnagar.	AICTE Training and Learning (ATAL) Academy	06/12/2021 to 10/12/2021
5	FDP on Implementation of NEP-2020 for University and College Teachers	INDIRA GANDHI NATIONAL OPEN UNIVERSITY Staff Training and Research Institute of Distance Education New Delhi 110068	Under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching	12/06/2023 to 20/06/2023
6	NEP 2020 Orientation & Sensitization	UGC - Malaviya Mission Teacher Training Centre (MMTTC), University of Calicut	Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC)	20/01/2025 to 29/01/2025
7	NEP 2020 Orientation & Sensitization	UGC-Malaviya Mission Teacher Training Centre, Doctor Harisingh Gour Vishwavidyalaya, Sagar, MP	Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC)	19/06/2025 to 30/06/2025