

## BIO-DATA

<b>1</b>	<b>Name (in BLOCK Letters)</b>	<b>:</b>	<b>ARLE RAMDAS NIVRUTTI</b>			
<b>2</b>	<b>Father's / Mother's Name /Husband Name</b>	<b>:</b>	<b>Nivrutti</b>			
<b>3</b>	<b>Department</b>	<b>:</b>	<b>Physics</b>			
<b>4</b>	<b>Educational Qualification</b>	<b>:</b>	<b>M.Sc. Ph. D.</b>			
<b>5</b>	<b>Current Designation and Academic Grade Pay</b>	<b>:</b>	<b>Associate Professor 139400</b>			
<b>6</b>	<b>Date of first Joining</b>	<b>:</b>	<b>1-09-1994</b>			
<b>9</b>	<b>Date of Birth</b>	<b>:</b>	<b>01-06-1966</b>			
<b>10</b>	<b>Sex</b>	<b>:</b>	<b>Male</b>			
<b>11</b>	<b>Marital status</b>	<b>:</b>	<b>Married</b>			
<b>12</b>	<b>Nationality</b>	<b>:</b>	<b>Indian</b>			
<b>13</b>	<b>Indicate whether belongs to SC /ST /OBC category</b>	<b>:</b>	<b>Open</b>			
<b>14</b>	<b>Address for correspondence</b>	<b>:</b>	<b>Jijamata College Of Science And Arts Bhende Bk Tal Newasa</b>			
<b>15</b>	<b>Permanent Address</b>	<b>:</b>	<b>At - Karjat Kd. Post – Tajanapur, Tal - Shevgaon. Dist - Ahmednagar</b>			
	<b>Telephone No./ Mobile No./Office Phone Number</b>	<b>:</b>	<b>9921208548/02427255304</b>			
	<b>Email ID</b>	<b>:</b>	<b>arleramdas@rediffmail.com</b>			
<b>16</b>	<b>Academic Qualification:- (High School till Post Graduation) :</b>					
	<b>Examinations</b>	<b>Name of the Board/ University</b>	<b>Your of Passing</b>	<b>Division/ Class/Grade</b>	<b>Subject/s</b>	<b>Rank and Remark if any</b>
i	<b>SSC</b>	PUNE BOARD	1985	69 %	----	
ii	<b>HSC</b>	PUNE BOARD	1987	52 %	-----	
iii	<b>Graduate</b>	University of Pune	1990	65.66	physics	
iv	<b>Post Graduate</b>	University of Pune	1992	59.69	Physics	
v	<b>Ph. D.</b>	Dr B. A. M. University, Aurangabad	10 /07/2009	AWARDED	Physics	

## **17. IMPORTANT ASSIGNMENTS HELD IN THE COLLEGE**

1. Co-coordinator, Academic and research scheme.
2. Chairman Admission Committee.
3. Member health Committee.
4. Chairman of committee, criterion governance and leadership, NAAC.
5. Member grievance redressal cell.
6. Chairman Exam Committee.
7. Chairman Science Association.
8. Chairman Cultural Committee.
9. Chairman Examination Committee.
10. Member of discipline committee
11. N.S.S. program officer

## **18. MEMBERSHIP TO SCIENTIFIC SOCIETIES**

1. Life member of “India science congress “.
2. Member of Local Pucto

## **19. TEACHING EXPERIENCE: 27years, as on 1<sup>st</sup> July 2023.**

Engaged in teaching in undergraduate physics at Jijamata College of Science and Arts. Bhende Bk. for the last 27 years (since 1<sup>st</sup> September 1994).

## **20. RESEARCH EXPERIENCE: 18 years.**

<b>Sr. No</b>	<b>Title of Thesis</b>	<b>University</b>	<b>Date of Award</b>	<b>Link to Shodhganga</b>
Ph. D.	Studies on structural, Optical Electrical properties of Semiconducting thin films.	Dr.B.A.M.U	10/07/2009	Yes
M Phil.	Nill	Nill	Nill	Nill

## 21. EXECUTION OF RESEARCH PROJECTS

- a) Details of Research Projects (Major / Minor): Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution during the last five years

Project	Title	Duration	Amount sanctioned	Funding Agency
Major Research Project	Studies on Structural optical Electrical Properties of transparent conducting oxide thin films.	2 Year	3,30,000/-	DRDO-ISRO
Minor Research Project	Studies on Non Conventional energy sources	2 Year	2,00,000/-	BCUD-PUNE
Minor Research Project	Studies on semiconducting thin films for photovoltaic applications.	2 Year	75,000/-	UGC

## 22. Details of Orientation / Refresher Courses / Summer School / Short Term course attended

Sr. No	Name of the Orientation /Refresher Courses	Dates and Duration	Place
1.	Orientation Program	05/11/1997 - 02/12/1997	University of Pune
2.	Refresher Course I	03/08/2001- 30/08/2001	Dr.B.A.M.U.
3.	Refresher Course II	06/01/2006-28/01/2006	Goa University.
4.	Refresher Course III	26/04/2010-15/05/2010	Himachal Pradesh University simala
5.	Short Term Course	20/03/2017- 26/03/2017	Ahmednagar College Ahmednagar
6.	Refresher Course IV	25/09/2017 to 11/10/2017	Ramnarayan Ruia College, Mumbai
7.	Refresher Course V	16/09/2020 to 29/09/2020	UGC, HRDC, University of Mumbai
8.			

## 23. Books / Reference Book Published

Title of Book	Name Publisher	ISBN / ISSN	Year	Volume and Page numbers
Studies on structural, Optical Electrical properties of Semiconducting thin films.	Success Publication			

**24.Detail about Research Guide and Detail of Students registered awarded M.Phil / Ph.D.**

	<b>Name of University Recognition</b>	<b>Name of Students Registered and year of registration</b>	<b>Name of Students Awarded and Year of award</b>
M. Phil.	Nill	Nill	Nill
Ph. D.	Dr.B.A.M.U	Mr. Bhusal Nitin, 2016	Nill
	J.J.T University. Rajasthan	Mr.Khatik B.L, 2013	Nill
Ph.D.	S.P.P.U., Pune	4	Nill

**25. Seminar / workshop attended.**

<b>Year</b>	<b>Workshops attended</b>	<b>Title of Seminar presented</b>
1996	One day workshop Organised by Sangamner nagarpalika,D..malpani college.	S.Y,Bsc (physics) Syllabus Redrafting.
1997	One day workshop at Department of physics in Ahmednagar College Ahmednagar .	Workshop on Physics Syllabus (T.Y.Bsc.Oct.1997)
1997	One day workshop Organised by Department of physics S.S.G.M.College Kopargaon.	Framing of T.Y.Bsc Syllabus in Statistical physics.
1997	One day workshop Organised by Department of physics P.V.P College Pravaranagar.	Workshop on Framing of T.Y.Bsc Syllabus in mathematica method in Physics .
1997	University of pune academic Staff College for Orientation Programme.	Attended.
<b>Year</b>	<b>Seminars attended</b>	<b>Title of Seminar presented</b>
2008	National seminar in Recent trends in thin films Technology-2008.	Studies on preparation and characterization of CdS Thin films by chemical spray Deposition.
2009	Two day state level seminar sponsored by UGC and organized by Radhabai kale mahila Mahavidyalaya Ahmednagar.	Best practices Governance and Leadership.

2012	Two day state level seminar sponsored by UGC and organized by Department of physics, Ahmednagar college Ahmednagar.	Recent Trends in Thin films deposition Techniques and Their Characterization.
1999	One day seminar in physics organized by N.A.C & Science college Shevgaon.Dist-Ahmednagar	Electronic Science.
2002	One day seminar in physics organized by M.J.Shinde Mahavidyalaya Shrigonda.  Dist-Ahmednagar	Energy conversion.
1999	One day seminar Sponsors by pune university at New Arts,commerce & Science college Shevgaon.	Development of Educational Models.
2003	One day seminar Sponsors by pune university and College Teachers Organisation-2003	Challenges in higher Education.
2003	One day seminar in physics ,Organised by Department of physics B.J.A.C.S college Ale.	Feedback & Guidelines Regarding Restructured syllabus in the physics at S.Y.Bsc..
2001	UGC Sponsored Refresher Course in Physics Organised by Dr.Babasaheb Ambedkar Marathwada University,Aurangabad.	Attended.
2002	Two dy Workshop Organised by Pept.Of Physics S.S.G.M. College Kopargaon.	Awareness and Teaching of New Topics in F.Y.Bsc syllabus.
2003	One day Workshop of Organised by Dept. of physics ,New Arts,Commerce & Sciences College Parner.Dist-Ahmednagar.	Workshop on Restructuring of T.Y.Bsc Physics Syllabus.
2006	Three week workshop of the Refresher Course organized by Academic Staff College,Goa,University.	Attended.
2006	National Workshop at Dept.of Physics University of pune .	Plasma and Laser processing of advanced materials.
2006	National Workshop at Dept.of Physics University of pune .	Plasma and Laser processing of advanced materials.

2008	One Day Orientation Workshop on Avishkar.	Attended.
2008	One day Workshop Sponsored by Pune University at New Arts,Commerce And Sciences collrgr Ahmednagar.	Revision of the Syllabus for F.Y.Bsc.
2009	One day workshop at Namdeo Sabhagiha university of pune.	One day workshop for Academic and Research Coordinators.
2009	One day Workshop Sponsored by Pune University at New Arts, Commerce And Science collage Ahmednagar.	Revision Of the Syllabus for T.Y.Bsc.
2010	One day workshop on “ phoenix ” Ahmednagar college, Ahmednagar.	Popularization of physics with Home-made Equipment and Innovative Experiments.
2010	One day workshop Organised by pune university and college Teachers Organsation ‘PUCTO’ Ahmednagar.	Academic performance indicators for promotion of Teacher and organizational Developments.
2010	Accademic Staff College Himachal Pradesh University Shimla.UGC Sponsored Refresher Course.	Attended.
2010	One day workshop at New Arts,Commerce and Science College Ahmednagar.	T.Y.Bsc,S.Y.Bsc,Marathi Refresher Syllabus.
2010	Two dy Workshop Organised by Pept.Of Physics Nowrosjee Wadia College.	Workshop for Finalization of syllabus for T.Y.Bsc physics courses of pune university.
2011	UGC Sponsored twoday state level Workshop in New Arts,Comerce & Science-College Shevgaon.	Nanotechnogy & Ts Application in Polymaterials.
2014	One Day Workshop on Revision of the syllabus for S.Y.B.Sc (Physics)	K.J.Somaiya College Of A. C and Science Kopargaon
2015	Workshop of T.Y.B.Sc Physics syllabi	D.J.Malpani & B.N.SArda Science College Sangamner
2016	One day workshop on Higher Education: Problems and Prospects	K.J.Somaiya College Of A. C and Science Kopargaon
2017		

Year	Conferences attended	Title of paper presented
2005	Fifth national Geographical conference organized by shri Dnyaneshwar Mahavidyalaya, Newasa. university of pune-2005	Tourism, Environent and Development.
2007	National Conference on currents Trends in materials Research for advanced Technology-2007 .	Attended
2007	National Conference on “physics of semiconductor Devices & smart materials”-2007.	Structural,Optical and electrical studies on $Zn_xCd_{1-x}S$ Thin films by spray pyrilysis.
2007	International conference on Advanced materials &application-2007.	1) Effect of $Al^{3+}$ substitution on the magnetic properties of $Ni_{0.7}Cd_{0.3}Al_{2-x}O_4$ ferrites.  2) Studies on Preparation and characterization of Zinc sulfide films by chemical spray deposition.
2010	International symposium on “Renewable Energy for Rurral development-2010.	Attended., S.S.G.M. College Sanganer.
2012	International conference on Nanoscience &technology-2012.	Studies on $Cd_xZn_{1-x}S$ Thin films by spray pyrolysis.
2012	International multidisciplinary Research Journal-2012.	Attended
2004	National Conference on microwaves and optoelectronics.-2004	Attended
2005	Fifth national Geographical conference organized by shri Dnyaneshwar Mahavidyalaya, Newasa. university of pune-2005	Tourism, Environent and Development.
2007	National Conference on currents Trends in materials Research for advanced Technology-2007 .	Attended
2007	National Conference on “physics of semiconductor Devices & smart materials”-2007.	Structural,Optical and electrical studies on $Zn_xCd_{1-x}S$ Thin films by spray pyrilysis.

2010	National Conference on materials Science :Trends & future-2010.	Desine fabrication and performance of spray pyrolysis .
2010	National Conference on Recent Trends in Thin films Technology-2010.	1) Thin films Charactrization Techniques. 2) Design and fabrication of low cost spray pyrolysis unit. 3) Study on preparation and characterization of CdS Thin films by chemical spray deposition.
08-09	Regional Research conference-Innovation-2008-2009.	Studies on Nanoconventional Energy sources.
9-010	Regional Research conference-Innovation-2008-2009.	Attended
22-23Feb-2013	National conference on Nanomaterials: Applications and properties	A.C.& Science College Sonai
23-24 Aug-2013	Environmental Education & Scientific Terminology	N.A.C.& S College Shevgaon
20-21-Sept 2013	State level Seminar on Recent trends in the Utilization of Solar Energy	P.V.Patil College of A, S & C, Pravaranagar
21-23 Oct-2013	National conference on Nanomaterials Avenue	K.R.T.A.B.H.C.Science college Nashik
18-19 Dec.2014	State level Seminar on Role of physics in sustainable development	S.& C. College Kolhar
16-17Jan-2015	National conference on Material Advances for Better future	Jijamata College Bhende
12-13 Sept 2015	International Conference on Innovation: Leading the Revolution	Pune
12-13 Jan 2016	Recent Trends in Green Chemistry	J.C.S &A Bhende
15-16 Feb 2016	Recent Trends In Material Science	Shri. Anand college Pathardi.

**26.Details of participation in Organization of Seminar /Conference /workshop /Symposia in International / National / State / University**



Sr. No	Name of the Seminar /Conference	Dates and Duration	Nature of workdone
1.	State Level Seminar on Nonconventional Energy sources	Two day	Convener
2.	RTTFT	Two day	Convener
3.	Material Advances for Better future	16-17Jan-2015	Joint Secretary
4.	Intellectual Property Right	8 April 2023	Convener
5.	Research Methodology	8 April 2023	Convener

Sr.No.	Authors	Title	Year	Journal Name	Volume	Issue No	Place of Publication	Publish
1	Arle Ramdas Nivrutti		2012		II	II		
2	Arle Ramdas Nivrutti		2012		II	II		
3	Arle Ramdas Nivrutti		2014		I	31		
4	Arle Ramdas Nivrutti		2014		III	IX		
5	Arle Ramdas nivrutt		2014		I	VI		
6	Arle Ramdas Nivrutt		2014		3	2014	Nashik	NCETNN
7	Arle Ramdas Nivrutti				4	12	Pune	IJAMTS
8	Arle Ramdas Nivrutti		2017		6	9	Aurangabad	IJARSE
9	Arle Ramdas Nivrutti		2019		Special Issue -	168 (B)	Kada	Research Journey
10	Arle Ramdas Nivrutti		2019		IV	I	Shevgaon	JASC

**. 27. Papers already published:**

Sr.No	Title of the paper	Year	Name of the seminar/conference/workshop	Level
1.	Optical studies on $Zn_xCd_{1-x}S$ Thin films by Spray Pyrolysis	2007	Current trends in materials research for advanced technology, organized by Dept. of Physics, Dr.B.A.M.U. Aurangabad.	National
2.	Studies on preparation and characterization of zinc sulfide films by chemical spray deposition	2007	Conference on Advanced Materials and Applications organized by, dept. of Physics, Shivaji University, Kolhapur.	International
3.	Structural, Optical and electrical Studies on $Zn_xCd_{1-x}S$ Thin films by Spray Pyrolysis.	2007	In conference on Physics of Semiconductor Devices & Smart Materials organized by, Dept. of Physics, Karmaweer Bhaurao Patil college Vashi, Navi Mumbai.	National
4.	Design, fabrication and performance of spray pyrolysis unit	2008	INNOVATION-2008, Regional Research conference for college teacher.	Regional

5	Studies on preparation and characterization of CdS thin films by chemical spray deposition	2008	RTTFT-2008 Walchand college of science and Arts, Solapur University, Solapur.	National
	Structural, Optical and electrical Studies on $Zn_xCd_{1-x}S$ Thin films by Spray Pyrolysis		Dept. of Physics, Karmaveer Bhaurao Patil college Vashi, Navi Mumbai.	
6	Fabrication of Common Man Solar Water Heater,	2009	THE ISES SOLAR WORLD CONGRESS 11 - 14 OCTOBER 2009	International
7	Studies on Structural and optical Charactrization of Zinc Sulfide Films by Chemical Spray Deposition	2012	International Multidisciplinary Research Journal	
8	Studies on Structural , Optical and Electrical characterization of ZnS thin Films	2012	Research Expo Multidisciplinary Research Journal	International
9	Effect of Volume spray rate On structural, Optical and Electrical Properties of spray Pyrolytically Grown Nanocrystalline SnO <sub>2</sub> Thin Films	2014	Science Park Research Journal	International

10	Effect of Solution Concentration structural, Optical and Electrical Properties of spray Pyrolytically Grown Nanocrystalline SnO <sub>2</sub> Thin Films	2014	Interlink Analysis	International
11	Assessment Studies on preparation and Properties of CdS Thin Films by Chemical Spray Deposition	2014	Vision Research Review	International
12	Effect of Volume Spray Rate on Highly Conducting Spray Deposited Fluorine Doped SnO <sub>2</sub> Thin Films	2014	International Journal Chemical and Physical Sciences	International
13	Studies of Highly Conducting SnO <sub>2</sub> Thin Films by Spray Pyrolysis Technique		International Journal of Advancees in Management ,Technology and Engineering Sciences	International
	The Synthesis and Structural , Optical and Electrical Characterisation of Variation Fluorine Doped Tin Oxide Thin Films By Spray Pyrolysis	2017	International Journal of Advance Research in Science and Engineering	International
14	Physical properties of Spray Deposited SnO <sub>2</sub> :F Thin Films For Window Material in Solar Cell	2019	Research Journey International Multidisciplinary E-Research Journal	International
15	Physical properties and Doping Levels of SnO <sub>2</sub> :F Thin Films by Spray Deposited on Optical Glass Substrate	2019	Journal of Applied Science and Computation	International

Sr.No	Title of the paper	Year	Name of the seminar/conference/workshop	Level	Xerox of the certificate.
1.	Optical studies on $\text{Zn}_x\text{Cd}_{1-x}\text{S}$ Thin films by Spray Pyrolysis	2007	Current trends in materials research for advanced technology, organized by Dept. of Physics, Dr.B.A.M.U. Aurangabad.	National	Attached
2.	Studies on preparation and characterization of zinc sulfide films by chemical spray deposition	2007	Conference on Advanced Materials and Applications organized by, dept. of Physics, Shivaji University, Kolhapur.	International	Attached
3.	Structural, Optical and electrical Studies on $\text{Zn}_x\text{Cd}_{1-x}\text{S}$ Thin films by Spray Pyrolysis.	2007	In conference on Physics of Semiconductor Devices & Smart Materials organized by, Dept. of Physics, Karmaweer Bhaurao Patil college Vashi, Navi Mumbai.	National	Attached
4.	Design, fabrication and performance of spray pyrolysis unit	2008	INNOVATION-2008, Regional Research conference for college teacher.		

				Regional	Attached
5	Studies on preparation and characterization of CdS thin films by chemical spray deposition	2008	RTTFT-2008 Walchand college of science and Arts, Solapur University, Solapur.	National	Attached
6	Fabrication of Common Man Solar Water Heater,	2009	THE ISES SOLAR WORLD CONGRESS 11 - 14 OCTOBER 2009	International	Attached

Sr. No.	Year	Type of Examination	Type of Examination Work
1	1994-95	Theory Practical	Jr. Supervisor Nil
2.	1995-96	Theory Practical	Jr. Supervisor Nil
3	1996-97	Theory Practical	Jr. Supervisor Internal
4	1898-99	Theory	Jr. Supervisor

		Practical	
5	1999-2000	Theory Practical	Jr. Supervisor
6	2001-02	Theory Practical	Jr. Supervisor
7	2002-03	Theory Practical	Jr. Supervisor
8	2003-04	Theory Practical	Jr. Supervisor
9	2004-05	Theory Practical	Jr. Supervisor
10	2005-06	Theory Practical	Jr. Supervisor
11	2006-07	Theory Practical	Jr. Supervisor
12	2007-08	Theory Practical	Jr. Supervisor
13	2008-09	Theory Practical	Jr. Supervisor
14	2009-10	Theory Practical	Jr. Supervisor
15	2010-11	Theory Practical	Jr. Supervisor
16	2011-12	Theory Practical	Jr. Supervisor
17	2012-13	Theory Practical	Jr. Supervisor
18	2013-14	Theory Practical	Jr. Supervisor
19	2014-15	Theory Practical	Jr. Supervisor
20	2015-16	Theory	Jr. Supervisor

		Practical	
21	2016-17	Theory Practical	Jr. Supervisor
22	2017-18	Theory Practical	Jr. Supervisor
23	2018-19	Theory Practical	Jr. Supervisor
24	2019-20	Theory Practical	Jr. Supervisor
25	2020-21	Theory Practical	Jr. Supervisor
26	2021-22	Theory Practical	Jr. Supervisor
27	2022-23	Theory Practical	Jr. Supervisor

I here by declare that the above written particulars are true to the best of my knowledge and belief.

**Dr.Arle Ramdas Nivrutti**