



*Matushri Virbaima Mahila Science & Home Science College*

*Kalawad Road, Near Under Bridge, RAJKOT*

PHONE NO. +91-281-2452997 email ID : [mvmscience@yahoo.co.in](mailto:mvmscience@yahoo.co.in)

**Self Appraisal Form for Teachers**

A. Personal Information:

1	Name	<b>Dr. Nitingiri Nareshgiri Gosai</b>
2	Residential Address with Pin No.	<b>C/O:- Nareshgiri Nyalgar Gosai, Block 8, Yoginagar, Behind FSL, University Road, Rajkot 360 005</b>
3	Mobile No.	<b>9712159742 / 9909074430</b>
4	Landline No. of Resident	<b>--</b>
5	Other alternative No.	<b>--</b>
6	E-Mail ID	<b>nitin_gosai86@yahoo.com</b>
7	Date of Birth	<b>26/05/1986</b>

B(a).General Information:

1	Designation	<b>Assistant Professor</b>
2	Department	<b>Physics</b>
3	Specialization if any	<b>Electronics</b>
4	Date of Appointment	
	I) In the present Institute	<b>09/08/2014</b>
	II) In the Present Post	<b>09/08/2014</b>
5	Honours Conferred	<b>-</b>

B(b).Academic Qualification:

Examination	Board/University	Subjects	Year	Division/ Grade/Marks
<b>H.S.C.</b>	<b>GHSEB- Gandhinagar</b>	<b>Science</b>	<b>March-2003</b>	<b>42.66 %</b>
<b>B.Sc.</b>	<b>Saurashtra University</b>	<b>Physics</b>	<b>Apr-2006</b>	<b>69.57 %</b>
<b>M.Sc.</b>	<b>Saurashtra University</b>	<b>Physics</b>	<b>Apr-2008</b>	<b>73.66 %</b>
<b>Ph. D</b>	<b>Sardar Patel University, Vallabh Vidhyanagar.</b>	<b>Physics</b>	<b>May - 2013</b>	<b>-</b>

C(a). Research Experience & Training:

Research Stage	Title of work/ Thesis	University where the work was carried out
M.Phil. or equivalent	--	--
Ph. D	<b>Synthesis And Characterization Of Pure And Cu Doped SnSe Nanoparticles</b>	<b>Sardar Patel University, Vallabh Vidhyanagar.</b>
Post-Doctoral	--	
Publication (give a list separately) (Annexure-I)	<b>See Annexure-I</b>	
Research Guidance (give names of Students guided successfully) (Annexure-II)	--	
Training (Please specify)	--	

C(b). Research Projects Carried out:

Title of the project	Name of the funding agency	Duration	Remarks
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C(c). Seminars, Conferences, Symposiaetc. Attended:

Name of the Seminars, Conferences, Symposia, Workshops, etc.	Name of the sponsoring Agency	Place & Date	Title of the paper presented (if any)
<b>DBT Sponsored Region Level Faculty Development Program “Development of Mathematical Software Skills (SCILAB)”</b>	<b>Organized by Shree M N Virani Science College</b>	<b>Rajkot 11/01/2015</b>	-
<b>8<sup>th</sup> National Level Science Symposium on Recent Trends in Science and Technology (SRTST-2015)</b>	<b>Organized by Christ College</b>	<b>Rajkot 22/02/2015</b>	-
<b>One day seminar entitled “Frontiers in Research on New Materials”</b>	<b>Department of Physics, Saurashtra University</b>	<b>Rajkot 23/01/2015</b>	-
<b>9<sup>th</sup> National Level Science Symposium on Recent Trends in Science and Technology (SRTST- 2016)</b>	<b>Organized by Christ College, Saurashtra University</b>	<b>Rajkot 14/02/2016</b>	-
<b>International Science Symposium - 2017</b>	<b>Organized by Christ College, Saurashtra University</b>	<b>Rajkot 26 &amp; 27<sup>th</sup> February 2017</b>	<b>Structural and Thermal characterization of SnSe Quantum</b>

			Dots
National Seminar on Recent Trends in Experimental Condensed Matter	Department of Physics, Saurashtra University, Rajkot.	Rajkot 21/03/2017	TRANSPORT PROPERTIES OF DVT GROWN $\text{GeS}_{0.25}\text{Se}_{0.75}$ CRYSTALS
National Conference on Recent Innovations in Science' 2018	Organized by R K University	Rajkot 19 & 20 January 2018	-
National Seminar on Advances in Nanomaterials Research	Organized by Nanoscience department, Saurashtra University	Rajkot 15/02/2018	-
National Conference Entitled "Budding Scientist 2"	Harivandana College	Rajkot 04/02/2018	-
National level- Recent innovations in Sciences	School of Science, RK University, Rajkot.	Rajkot 18/01/2019	Structural Characterization of SnSe NP's
National level- Recent innovations in Sciences	Christ College, Rajkot	Rajkot 03/02/2019	Synthesis of Tin Selenide QD's and its Structural & Optical Characterization
National level- New Horizons of Biological Sciences	Department of Biosciences, Saurashtra University	Rajkot 26/02/2019	Tin Selenide QD's - Optical Characterization
National webinar on "discovery of fundamental forces – development of society	C. Kandaswami Naidu college for men	Chennai, India  28/02/2022	Attended
National conference on Emerging Trends in Functional Oxides and Nanomaterials	Department of Physics, Saurashtra University, Rajkot.	Saurashtra University, Rajkot. 28/10/2021	Attended
"Vyakruti" webinar on experimental techniques and related analysis method condensed matter physics	Department of Physics, Saurashtra University, Rajkot.	Saurashtra University, Rajkot. & GUJCOST & DST 9/07/2021	Attended
National webinar on Nuclear radiation for societal application	Department of Physics and IQAC Dada Patil Mahavidyalay, Ahemadnagar, Maharashtra.	Ahemadnagar, Maharashtra. 07/09/2021	Attended
Webinar on Condensed Matter Physics	Department of Physics & Biotechnology, Christ College	Christ College, Rajkot. 02/09/2021	Attended

<b>Online expert talk on Scientific writing with focus on writing research proposal</b>	<b>Department of Biotechnology, Christ College</b>	<b>Christ College, Rajkot. 29/06/2021</b>	<b>Attended</b>
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C.(d) Training/ Workshop/FDP/Orientation/ Refresher Course :

Sr. No.	Name of Programme	Duration	Organized by
1	<b>Faculty Development Programme-2016</b>	<b>11 to 20 August 2016</b>	<b>M.V.M Science &amp; Home Science College, Rajkot</b>
2	<b>International Faculty Development Programme (IFDP)</b>	<b>13 &amp; 14 October 2017</b>	<b>Jointly organized by Global Training Education Program (GTEP)(UK) &amp; Internal Quality Assurance Cell (IQAC), Saurashtra University</b>
3	<b>Short Term Training Programme On “Recent Trends in Bio-Nano Technology for Societal Benefits”</b>	<b>20<sup>th</sup> November – 24<sup>th</sup> November, 2017</b>	<b>Organized by Department of Bio-Technology and Department of Nano-Technology V. V. P. Engineering College, Virda Vajdi, Kalawad Road, Rajkot.</b>
4	<b>Refresher Course in Physics</b>	<b>04/08/2021 to 17/08/2021 (15 days)</b>	<b>UGC – HRDC Pondicherry University, Pondicherry</b>
5	<b>IAPT- Saurashtra University joint Online Program on Experiments and Demonstrations in Physics, Electronics and Computational Physics</b>	<b>24/06/2021 (One Day)</b>	<b>IAPT RC – 07 (Gujarat) &amp; Department of Physics, Saurashtra University, Rajkot.</b>

C.(e) Details as Resource person :

Sr.No.	Event	Title of Presentation	Date & Place	Organized by
1	<b>Resource person /Expert Lecture</b>	<b>Digital Logic</b>	<b>April 2016, BISAG, Gandhinagar</b>	<b>Knowledge Consortium of Gujarat Education Department, Government of Gujarat</b>
2	<b>Judge in Poster Session</b>	<b>YICOFIST</b>	<b>25/02/ 2017, Rajkot</b>	<b>R K University</b>
3	<b>Resource</b>	<b>Ultrasonics:</b>	<b>19/01/ 2017</b>	<b>Knowledge Consortium</b>

	person /Expert Lecture	Production and Applications	BISAG, Gandhinagar.	of Gujarat Education Department, Government of Gujarat
4	Resource person /Expert Lecture	Electron Microscopy	06/03/2017, BISAG, Gandhinagar	Knowledge Consortium of Gujarat Education Department, Government of Gujarat
5	Resource person /Expert Lecture	Spectroscopy	27/03/2017, BISAG, Gandhinagar	Knowledge Consortium of Gujarat Education Department, Government of Gujarat

D(a). Teaching Experience:

Course taught	Name of the University/College/Institution	Duration (As on June-2024)
U.G.	1. Alpha College of Engineering and Technology (ACET), Khatraj Chowkdi, Gandhinagar, Gujarat.	2 Years
	2. Faculty of Technology, Marwadi Education Foundation's Group of Institutions (MEFGI), Rajkot- Morbi Road, Rajkot.	3 Years
	3. M.V.M Science & HomeScience College, Rajkot	9 ½ Year
P.G.		
M. Phil.		
Any other		

D(b). Total Teaching Experience:

(i) Under-graduate : **14 ½ Years** (ii) Post graduate : -

E. Innovations / Contributions in Teaching:

(Give list/lists separately for the following if required)

- Design of Curriculum :
- Teaching Methods : Power Point Presentation, Direct teaching & Seminar
- Laboratory experiments : Physics Practical
- Evaluation Methods : Assignment, Class test, , MCQs and Viva.
- Preparation of resource material Including book, reading materials, Laboratory manual etc.:
- Remedial Teaching / Student :
- Counselling (academic):
- Any other :

F. Extension Work/ Community Services:

- Please give a short account of your contribution to :
  - Community work such as values of National Integration, secularism, democracy, socialism, humanism, Peace, Scientific temper, flood or drought relief, small family norms etc.:
  - National Mission:
- Position held/Leadership role played in organizations linked with Extension Work & National Service Scheme (NSS) or NCC or any other similar activity :

**G. Participation in Corporate Life:**

Please give a short account of your contribution to :

- i. College/ University/Institution :--
- ii. Co-curricular Activities :--
- iii. Enrichment of Campus Life (Hostels, Sports, Games, Cultural Activities) :--
- iv. Students Welfare & Discipline:--
- v. Membership/Participation in Bodies/Committees on Education and National Development:--
- vi. Professional Organization of Teacher: --

**H. (a) Membership of Professional Bodies, Societies etc.: -**

(b) Editorship of Journals: -

**Reviewer in following two International Peer Reviewed Journals since Starting of April 2012. (Published by Scientific and Academic Publishing (SAP), USA).**

- 1. International Journal of Optics and Applications ( Print - ISSN 2168 – 5063) and (Electronic – ISSN 2168 – 5061)**
- 2. Physical Chemistry ( Print ISSN 2167- 7042) and ( Electronic ISSN 2167- 7069)**

**I. (a) State brief assessment of your performance indicating: -**

(b) Difficulties faced : -

(c) Suggestions for improvement : -

**Annexure-I**

Sr. No.	Title of the Paper	Journal/ Book	Date/ Volume/ Pg. No.	Year of Publication	National/ International	ISBN/ ISSN No.
1	<b>Structural, Optical and Dielectric Properties of Tin Selenide Nanoparticles Prepared by Aqueous Solution Method</b>	<b>International Letters of Chemistry, Physics and Astronomy</b>	<b>Vol 4, Issue 9, (2014), pp 757 – 762.</b>	<b>2014</b>	<b>International</b>	<b>2250-2459</b>
2	<b>Structural, Optical and Dielectric Properties of Tin Selenide Nanoparticles Doped by Copper by Aqueous Solution Method.</b>	<b>Research Journal of Chemical Sciences</b>	<b>Vol 3, No. 5, March (2015) pp 1 – 5.</b>	<b>2015</b>	<b>International</b>	<b>2231-606X</b>
3	<b>Structural and Thermal Properties of Cu Doped Tin Selenide Nanoparticles.</b>	<b>ISST Journal of Applied Physics</b>	<b>Vol 6, No 1, July – December (2015) pp 62 – 66</b>	<b>2015</b>	<b>International</b>	<b>0976 – 903X</b>
4	<b>Structural, Optical and Dielectric Properties of Tin Selenide Nanoparticles (Prepared by Chemical Precipitation Method)</b>	<b>ISST Journal of Applied Physics</b>	<b>Vol 6, No 1, July – December (2015) pp 67 – 69</b>	<b>2015</b>	<b>International</b>	<b>0976 – 903X</b>
5	<b>Synthesis and Dielectric Properties of Tin</b>	<b>ISST Journal of Applied Physics</b>	<b>Vol 6, No 1, July –</b>	<b>2015</b>	<b>International</b>	<b>0976 – 903X</b>

	<b>Selenide Nanoparticles</b>		<b>December (2015) pp 70 – 73</b>			
<b>6</b>	<b>Growth and application of GeSeFe<sub>0.02</sub> Single Crystal as Photo electrochemical (PEC) Solar Cell</b>	<b>International Journal of Emerging Technology and Advanced Engineering</b>	<b>Vol 5, Issue 4, April (2015), pp 178 – 183</b>	<b>2015</b>	<b>International</b>	<b>2250-2459</b>
<b>7</b>	<b>Structural and Thermal Properties of Iron Doped SnSe Nanoparticles</b>	<b>International Journal of Emerging Technology and Advanced Engineering</b>	<b>Vol 5, Issue 4, April (2015), pp 142 – 145</b>	<b>2015</b>	<b>International</b>	<b>2250-2459</b>
<b>8</b>	<b>Identification of Possible Sources of Atmospheric PM<sub>10</sub> in Jharia Coalfield using Particle Size, SEM - EDS and XRD analysis, Dhanbad</b>	<b>Environmental Monitoring and Assessment, Springer Link</b>	<b>Vol 187, Issue 11, November (2015) Pg No. 679 - 693</b>	<b>2015</b>	<b>International</b>	<b>1573-2959</b>
<b>9</b>	<b>Laser Pasma Accelerator (LPA) Design consideration.</b>	<b>Int. Journal of Applied Sciences and Engineering Research</b>	<b>Vol. 6, Issue 1, 2017 Pg No. 24 - 33</b>	<b>2017</b>	<b>International</b>	<b>2277 – 9442</b>