

**D.D.G.D. VAISHNAV COLLEGE (AUTONOMOUS)**

1	<b>Name</b>	Dr.D.UTHRA
2	<b>Designation</b>	Associate Professor & Head
3	<b>Department</b>	Physics (Aided)
4	<b>Employee Id</b>	103134
5	<b>Date of Birth</b>	13/01/1974
6	<b>Gender</b>	Female
7	<b>Date of Appointment in this institution</b>	28/07/2000- Aided 01/07/1996- 27/07/2000 -Self financing
8	<b>Experience in this institution</b>	27 years, 6 months
9	<b>Official Mail Id</b>	<a href="mailto:hod-physics-day@dgvaishnavcollege.edu.in">hod-physics-day@dgvaishnavcollege.edu.in</a>
10	<b>Blood Group</b>	A1B+

<b>11 EDUCATION DETAILS (from highest qualification):</b>					
S.No.	Degree	Institution	University	Year of study	Grade/Class
1.	Ph.D. in Physics	-	University of Madras	2008	-
2.	SLET Physics	-	Bharathidasan University	1998	-
3.	M.Sc. Physics	Pachaiyappa's College, Chennai	University of Madras	1996	First
4.	B.Sc. Physics	Ethiraj College for Women	University of Madras	1994	First

<b>12 Details of ORIENTATION/REFRESHER COURSES attended:</b>				
S.No.	Orientation/Refresher	University/Institution	Duration	Date (from-to)
1.	Refresher Course in Physics conducted by UGC – Academic Staff College, University of Madras	Dept.of Theoretical Physics, University of Madras during	21 days	17, Aug - 8,Sep, 2010
2.	Refresher Course in Information Technology conducted by UGC - ASC, University of Madras	Dept.of Biophysics, University of Madras	21 days	1-21, Aug, 2007
3.	Orientation Course conducted by UGC -	University of Madras	28 days	17, Nov – 14, Dec, 2004.

	ASC, University of Madras			
4.	Training cum Orientation Programme on Translation and Interpretation	National Translation Mission, Central Institute of Indian Languages, Mysuru (online)	Two weeks	17-30, Sep, 2021
5.	<b>MOOC on ICT Integration in Higher Education</b> during	Department of Educational Technology, SNDT Women's University, Mumbai	Three months	Oct-Dec, 2016.
6.	<i>One Year training Course in Science Journalism (online)</i>	Indian Science Communication Society, Lucknow and National Council for Science & Technology Communication, DST, Govt. of India	One year	2012

13 Details of SEMINARS, CONFERENCES, WORKSHOPS, FDPs etc. attended:					
S.No	Type (Regional/National/International)	Theme (Workshop/Conference/Seminar/FDP)	Organized by	Duration	Date
1.	International	Career Development Workshop for Women in Physics	The International Centre for Theoretical Physics, ICTP, Trieste, Italy with UNESCO and IAEA	5 days	6-10, Nov, 2023
2.	National	Online Intensive Training cum Orientation Programme on Translation and Interpretation	National Translation Mission, Central Institute of Indian Languages, Mysuru	Two weeks	17-30, Sep, 2021
3.	National	Online Training on Artificial Intelligence for Education	CIET-NCERT, India	5 days	20-24, Sep, 2021

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4.	National	e-Workshop on Innovation & intellectual Property Rights	Innovative Technology Enabling Centre(InTEC),	One week	14-19, June, 2021

			CSIR-IMMT, Bhuvaneswar		
5.	International	General course on Intellectual Property in distance learning mode	World Intellectual Property Organisation, WIPO	3 months	Oct-Dec, 2020
6.	International	Online course <b>Promoting access to Medical Technologies and innovation- a WHO, WIPO, WTO Executive course</b> on the intersection between Public health, Intellectual Property and trade	World Health Organisation, WHO, World Trade Organisation, WTO and World Intellectual Property Organisation, WIPO	33 days	29, Sep to 31, Oct, 2020
7.	National	One day National Online Workshop on <b>Outcome Based Education and NBA Accreditation</b>	CREATES, IISER Bhopal under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching PMMMMNMTT, MHRD, Govt.of India	One day	10, Oct, 2020
8.	National	5-day online <b>FDP</b> on Universal Human Values for DEEKSHARAMBH (Student Induction Program)	NIT Patna	Five days	21 – 25, Sep, 2020
9.	National	Online Workshop on <b>Evidence Based Teaching and Learning Strategies in Higher Education</b>	CREATES, IISER Bhopal under Pandit Madan Mohan Malaviya	3 days	20-22, July,

			National Mission on Teachers and Teaching PMMMMNMTT, MHRD, Govt.of India		2020
10.	National	Two day Workshop on <b>Ancient Indian Mathematics and Astronomy</b>	Department of Humanities and Social Sciences, IITMadras	Two days	11-12, March, 2020
11.	Regional	Workshop in Physics-Revision of UG Curriculum based on LOCF	University of Madras , Chennai	One day	13, Dec , 2019
12.	National	<b>Instructional Course on Indian Sciences</b>	KV Sarma Research Foundation, Chennai supported by TATA Trusts	Five days	27, Nov -1, Dec , 2019
13.	National	<b>Training in Academic Leadership</b>	Centre for Academic Leadership and Education Management, Aligarh Muslim University under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching PMMMMNMTT, MHRD, Govt.of India at MEASI Institute of Management, The New College, Chennai.	Four days	1-4, April, 2019.
14.	Regional	One day State Level Inter Collegiate Workshop cum	Internal Quality Assurance Cell,	One day	5, Feb,

		training programme on Identification and Supporting Dyslexic students	DDGD Vaishnav College, Chennai.		2019
15.	National	Level2 of the STEM Teacher Training Workshop on <b>Research based Pedagogical Tools (RBPT)</b>	Centre of Excellence in Science and Mathematics Education (COESME), <b>IISER Pune</b> jointly with Indian Institute of Technology (IIT) Gandhinagar, Gujarat; Department of Biotechnology ( <b>DBT</b> ), Government of India; and <b>Newton Bhabha Fund</b> of the British Council along with experts from <b>University of Sheffield</b> at IISER, Pune.	3 days	17-19, June, 2019
16.	National	<b>DBT Foldscope Orientation Workshop</b>	Department Biotechnology, Ministry of Science & Technology, Govt. of India, at International Centre for Genetic Engineering and	One day	16, April, 2018

			Biotechnology, New Delhi		
17.	National	<i>Pedagogy workshop for undergraduate science teachers</i>	Centre of Excellence in Science and Mathematics Education (COESME), <b>IISER Pune</b> jointly with Indian Institute of Technology (IIT) Gandhinagar, Gujarat; Department of Biotechnology (DBT), Government of India; and <b>Newton Bhabha Fund</b> of the British Council along with experts from <b>University of Sheffield</b> at Indian Institute of Technology (IIT) Gandhinagar, Gujarat.	Four days	10-13, Dec , 2017
18.	National	<b>DBT – Prakash Lab’s Workshop on Foldscope</b>	IIT Bombay, NIRRH , Mumbai and Department of Biotechnology, Ministry of Science &	Two days	28 – 29 Aug ust,

			Technology, Govt. of India		2017.
19.		One day training cum planning workshop for a massive campaign on “Zero Shadow Day”	<b>Vigyan Prasar</b> , DST, Govt. of India, New Delhi in Association with POEC – Astronomical Society of India at Dr.APJ Abdul Kalam Science centre & Planetarium, Pondicherry.	One day	26, March 2017
20	National	<b>MOOC on ICT Integration in Higher Education</b>	Department of Educational Technology, SNDT Women’s University, Mumbai	Three months	Oct-Dec, 2016.
21	National	One day workshop on <b>Mental Health in Childhood and Adolescence: Assessment and Therapeutic Interventions</b>	Department of Psychology, Women’s Christian College, Chennai	One day	16, Feb, 2016.
22	National	Six day Workshop on Basic Teacher Training on “Effective Teaching Techniques” for Dyslexic Children	<b>Madras Dyslexia Association</b>	Six days	25-30, April, 2016
23	National	One day Workshop on Capacity Building and	Loyola Institute of Business Administration, LIBA, Chennai	One day	March, 2014



		Sustainable Management in Education			
24	International	<i>One Year training Course in Science Journalism (online)</i>	Indian Science Communication Society, Lucknow and National Council for Science & Technology Communication, DST, Govt. of India, 2012.	One year	Jan - Dec , 2012
25	National	Workshop in Physics Education and Research WPER 2011	IIT Madras	Six days	19-24, Dec , 2011
26	National	One Day Enviro Camp – WED 2011	MS Swaminathan Research Foundation (MSSRF), Federation of Science Clubs of Tamilnadu (FCST) and Loyola Institute of Frontier Energy (LIFE)	One day	June 4, 2011.
27	Regional	Barefoot <i>Counsellor Training Programme</i>	Anchor Self- Help Access (ASHA) conducted by counselor Brinda Jayaraman	8 days (Weekends)	Feb -March, 2009.

14 Details of Papers published in CONFERENCES/attended Conferences:					
S.No	Type (Regional/National/International)	Name of the Conference	Name of the paper presented/Attended	Organized by	Date

1. Poster presentation on Showcasing Women leaders in STEM through Science Outreach, Career Development Workshop for Women in Physics at The International Centre for Theoretical Physics, ICTP, Trieste, Italy 7, Nov, 2023

Science Outreach – The road less travelled at **the First Annual Convention of Tamil Nadu and Pondicherry Regional Council of Indian Association of Physics Teachers (IAPT - RC13)** held during 22-23, September, 2017 at IIT Madras, Chennai.

Reaching out through Science Outreach, Science and Media Advocacy session at **National Seminar on Women Leadership in S & T: Opportunities & Challenges**, organised by Vigyan Prasar, DST in collaboration with DBT, Government of India on 8-9, March 2017.

Campus sustainability for Clean and Green India, **State level Seminar** on Ethical Imperatives to Environmental Education, SathyaSai B.Ed. College, Avadi, Chennai, 29, Nov 2014.

Campus sustainability, **International Conference** on Emerging Trends and Challenges in Science & Technology, ICETCST- 2013, Chennai, 1-2, March, 2013.

Carbon footprint, XII Conference, Tamilaga Ariviyal Paeravai, Periyar University, Aug 23 – 25, 2012, Salem, India.

Sustainability of campuses, UGC sponsored **International Conference** on Research: Perspectives and Procedures, SDNB Vaishnav College for Women, Chennai, Aug 23 – 24, 2012.

Green Campuses, a step towards sustainability, **UGC & TNSCST National Level Seminar** on Advanced Mathematical methods on Climate Change, 2-3, April, 2012, Department of Physics, Presidency College, Chennai.

Carbon footprint study of an Academic Institution, **UGC & TNSCST National Level Seminar Seminar** on Advanced Mathematical methods on Climate Change, 2-3 April '12, Department of Physics, Presidency College, Chennai

Assessing Carbon footprint of Academic Institutions, **International Conference** on Impact of Physical Sciences on Biology, ICIPB 2011, Jul 7-9, 2011, Queen Mary's College, Chennai, India.

Marundugalin Tharakkattuppaatil agachivappu niramaalai iyalin indriyamaiyaap pangu (Tamil), National Science - **Tamil Conference**, Manonmaniam Sundaranar Univaersity, Tirunelveli, Oct 7-8, 2010.

Determination of Pantoprazole in Bulk and Pharmaceutical Formulations by Reversed Phase HPLC method , **National Conference** on Recent Advances in Physics, NCRAP 2008, Feb 1-2, 2008, Chennai, India.

Estimation of Rabeprazole in Pharmaceutical Formulations – before and after expiry period by Reversed Phase HPLC and UV Visible spectroscopic methods , **National Conference** on Recent Advances in Molecular structure (NCMS-2007), Jul, 19-20, 2007, Chennai, India.

Vibrational spectra and normal coordinate analysis of Thiotepa, **National Conference** on Recent advances in Vibrational Spectroscopy (NCVS 2007), Jan 29-30, 2007, Salem, India.

Estimation of Omeprazole in Pharmaceutical Formulations – before and after expiry period by Reversed Phase HPLC and UV Visible spectroscopic methods , **National Conference** on Recent advances in Vibrational Spectroscopy (NCVS 2007), Jan 29-30, 2007, Salem, India..

Simultaneous determination of Domperidone and Rabeprazole in pharmaceutical preparations by high performance liquid chromatography method, **National Conference** on Recent Advancements in Materials Science(RAMS-2006), Dec 29-30, 2006, Chennai, India.

Fourier Transform Infrared, Fourier transform Raman spectra and normal coordinate analysis of ethyleneimine, **International Conference** on Perspectives in Vibrational Spectroscopy (ICOPVS 2006), Feb 25-28, 2006, Meerut College, India..

FTIR and UV –Visible Spectral study on normal and pre-treated, post-treated jaundice blood sera, **National Conference** on Recent advances in Material Science (NCMS 2006), Feb 16-17, 2006, Salem, India.

Group Theory Construction Of Symmetry Coordinates, TECHUP 2005 - I, Technical update on Group theory and its applications, Oct 8, 2005, Pachaiyappa's College, Chennai, India.

Miscibility studies of polyblends under solution medium using viscosity, ultrasonic and FTIR techniques, **International Conference** on Spectrophysics INCONS 2005, Feb 9-12, 2005, Chennai, India.

FTIR and UV-Visible absorptios measurements and analysis of Terazosin Hydrochloride, II **National Conference** on Spectrophysics, Pachaiyappa's College, Aug 9-11, 2000, Chennai, India.

Investigations on paracetamol by spectral analysis and ultrasonics & microwave measurements, **National Conference** on Lasers & Spectroscopy, Meerut College, Feb 25-28, 1999, Meerut, India.

Characterization of KDP crystal by microwave and spectrophysical methods, UGC seminar on Recent trends in Pure and Applied Physics, Sri Sarada College for Women(Autonomous), 23, Jan, 1999, Salem, India.

Fabrication of Computerised Microwave bench for dielectric studies, UGC seminar on Recent trends in Pure and Applied Physics, Sri Sarada College for Women(Autonomous), 23, Jan, 1999, Salem, India.

Microwave and spectroscopic measurements on Urinary bladder stones, **National Seminar** on Spectroscopy, Laser and Laser Applications , Department of Physics, University of Cochin, March 23-26, 1998, Cochin, India.

Analysis of possible crystal structures of dihydrogen phosphate crystal, **National Conference** on Spectrophysics, NCONS'97, Pachaiyappa's College, 27-28, Feb, 1997, Chennai, India.

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Details of visit as a RESOURCE PERSON:				
S.No	Type (Guest Lectures, Workshops, Conferences Or Seminars/ Ph.D, Viva-voce Examination)	Title	Institution Name	Date
1.	National Level Workshop – Resource Person	Vigyan Prathibha Teachers Workshop for KV, JNV, AECS and Navodhay a School Teachers	Homi Bhabha Centre for Science Education, Mumbai & Institute of Mathematical Sciences, Chennai,	20, Nov, 2023
2.	National Level Lecture - Dyslexia Talks (Online)	How to get your Child ready for College?	Gift of Learning Differently Parents Support Group, GOLD PSG,	18, Nov, 2023

3.	International Workshop – Panelist	Balancing Family and Career	Career Development Workshop for Women in Physics at The International Centre for Theoretical Physics, ICTP, Trieste, Italy	7, Nov, 2023
4				
5	Guest Lecture	Indian Scientists inspired by Swami Vivekananda	Department of Physics, Ramakrishna Mission Vivekananda College, Chennai	27, Sep, 2023
6	Workshop for Teachers-resource Person	Empowering Educators, Physics teachers training	Velammal Nexus organized by Velammal Matric.Hr. Sec.Schools in association with IAPT RC13	9, Sep, 2023
7	Guest Lecture	Contribution of our Country to Mathematics	PG and Research Department of Mathematics, DDGD Vaishnav College, Chennai	1, Sep, 2023
8	Guest Lecture	Ariviyal Tami	Department of Tamil (Shift II), A.M Jain College,	9, Aug, 2023

			Chennai	
9	National level workshop- Resource Person	Vigyan Prathibha Teachers Workshop for KV, JNV, AECS and Navodhaya School Teachers	Homi Babha Centre for Science Education, Mumbai & Institute of Mathematical Sciences, Chennai	11, Jul, 2023
10	Guest Lecture	Have Indians done any science?	Varahamihira Science Forum, Chennai	24, June, 2023
11	National level One day workshop- Panelist	Joys and Thrills of Learning and Teaching Physics	Department of Physics, Madras Christian College, Chennai in association Indian Association of Physics Teachers IAPT RC 13	23, June, 2023
12	Faculty Induction Programme – Guest Lecture	Pedagogical Techniques and REACHING the SPECIAL NEEDS of the students	FDP Cell & IQAC, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai	15, June, 2023
13	National Level Workshop – resource Person	Learning by doing for Science Teachers	Vidya Mandir Senior Secondary School in association with IAPT RC13	19, April, 2023

14	State Level Teacher Training Workshop- Resource Person,	Illam Thedi Kalvi Workshop for Science Volunteers	TN School Education Department & Institute of Mathematical Sciences, Chennai	1, April, 2023
15	National level workshop – Resource Person	Osmosis-Vigyan Pratibha workshop School Teachers,	Homi Babha Centre for Science Education, Mumbai & Institute of Mathematical Sciences, Chennai	9, Jan, 2023
16	National Level Workshop – resource Person	Vigyan Pratibha workshop for KV and Navodhaya School Teachers	Homi Bhabha Centre for Science Education, Mumbai & Institute of Mathematical Sciences, Chennai	19, Aug, 2022
17	State Level Training workshop – resource Person	Vigyan Pratibha Teachers Workshop TN Govt. School Teachers	Institute of Mathematical Sciences, Chennai	10-12, Aug, 2022
18	National Level Workshop – resource Person	Vigyan Pratibha Workshop for School Teachers	HBCSE & , Institute of Mathematical Sciences,	6, May, 2022

			Chennai,	
19	National Level Workshop – resource Person	Vigyan Pratibha Workshop for School Teachers	HBCSE & , Institute of Mathematical Sciences, Chennai,	3, May, 2022
20	National Level Online Faculty Development Programme in Science Pedagogy	Different iated Classroo m for STEM Teachers	Department of Physics, Dwaraka Doss Goverdhan Doss Vaishnav College in association with IAPT RC-13	11, Aug, 2021
21	Webinar	Learning Practices in One week Online Faculty Inductio n Program me	IQAC, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai	30, Sep, 2021
21	National Webinar - Resource person	Talk on “Empow	Centre for Women	30, Sep,2020



		<p>erment Schemes for Persons with Intellectual Disabilities – Integrating in Inclusive Education” in 7 day National Webinar on Exploration of Opportunities for Women Empowerment</p>	<p>Empowerment &amp; Women Studies of Manonmani am Sundaranar University, Tirunelveli, India</p>	
22.	<p>National Webinar - Resource person</p>	<p>Delivered Talk on "Empowerment of persons with disabilities (Divyan gjan) by effective utilization of schemes of Govt. of India” in 7 day National Webinar on Exploration of Opportu</p>	<p>Centre for Women Empowerment &amp; Women Studies of Manonmani am Sundaranar University, Tirunelveli, India</p>	<p>25, Sep,2020</p>

		nities for Women Empowerment		
23	National Webinar	Science and Technology Innovations for COVID-19: Teaching perspective	Department of H&S in association with Institution's Innovation Council, REC Rajalakshmi Engineering College, Chennai	3, July, 2020
24	National Level Workshop	on Microscopy and Photomicrography, organised	PG & Research Department of Microbiology, DG Vaishnav College, Chennai	21, Jan, 2020
25	Workshop	One day Workshop on Innovative Thinking	Idea and Innovation council CTTE College for Women, Chennai	24, Sep, 2019
26	Workshop	One day workshop on DBT Foldscope – Assembl	Department of Physics, CTTE College for	22, Aug, 2019

		y & Usage	Women, Chennai	
27	DBT foldscope workshop	DBT Foldscope workshop organised for School students and teachers,	Ramakrishna Mission Higher Secondary School (South), Chennai	13, Aug, 2019
28	Workshop on UGC-NET Preparatory Sessions	Three day workshop on UGC-NET Preparatory Sessions organised by NAAC Coordination Committee	DG Vaishnav College, Chennai	3-6, May, 2019
29	Guest Lecture	International Women's Day Celebration	Society for Women Engineers, SWE Chennai Affiliate on <b>Indian Women in STEM</b>	6, March, 2019
30	Guest Lecture	Lilavati's Daughters- Women Scientists of India	Varahamihir a Science Forum, Chennai	24, November, 2018

31.	Foldscope Workshop	Foldscope workshop organised for School students, teachers and research scholars	Indian Association of Physics Teachers, IITMadras, Chennai	22, September, 2018
32.	Guest Speaker	Invited talk	Dr.MGR Educational and Research Institute, Deemed to be University, Adayalampattu Campus.	20, September, 2018
33.	Guest Lecture	a talk on Leelavathi's Daughters	Department of Physics, Anna Adarsh College for Women, Chennai	27, August, 2018
34.	Seminar	Panel Discussion - Fighting scientific and cultural illiteracy in Tamil Nadu using Tamizh's innate strengths	The Pondy Litfest 2018	2, August, 2018
35.	Guest Lecture	Delivered	Department of Tamil	21, March, 2018

		Bharath Rathna C.Subramaniam Endowment Lecture “Ariviyal Valarchi- Varalaarum Puviyalum”	Literature, University of Madras	
36.	Conference	Participated as a delegate for Round Table Meet on Mass Communication, <b>India International Science Festival (IISF 2017)</b>	Government of India at NIOT, Chennai	13, Oct, 2017.
37.	Secondary Science Syllabus Framing Workshop	<b>Chaired</b> the Secondary Science Syllabus Framing Workshop of State Council of Educational Research and Training, Tamilnadu	SRM University	20 <sup>th</sup> & 21 <sup>nd</sup> September, 2017.

38.	Seminar	Upper Primary Science Education, <b>Seminar on Developing New Curriculum-2017</b>	State Council of Educational Research and Training, along with the Directorate of School Education	20-22, July 2017.
39.	Workshop	Mentor at Science in-service training for teachers of Chennai District	RMSA, Chennai	10, July, 2017
40.	Workshop	Mentor Science teachers in Zonal Level Science Teachers Mentor training of Kanchipuram District	RMSA, Kanchipuram Dist. at Kelambakkam	23, June, 2017.
41.	Workshop	Train 30 TamilNadu Science Forum volunteers on Zero Shadow Day	TamilNadu Science Forum Chennai	16, April, 2017.
42.	Workshop	Train 100 students	KRM Public School	8, April, 2017

		and teachers for Zero Shadow Day workshop	(CBSE), Chennai	
43.	Workshop	Held <b>Zero Shadow Day</b> workshop for students, faculty and lab assistants	DG Vaishnav College	, 1, April, 2017 and 24, April, 2017
44.	Workshop	Mentored 200 girl students on the topic <b>Women and Social Challenges</b>	Vivekananda Vidhyalaya Group of Schools	18 <sup>th</sup> March 2017
45.	Workshop	Acted as Mentor Young Environmental Scientists –Senior / Junior Categories	Industrial Waste Management Association	8 & 15, Oct, 2016
46.	Workshop	Addressed the senior students on <b>Growth of Science and Technology in</b>	Savitriammal Oriental Higher Secondary School	22, July 2016.

		recent times		
47.	Chief Guest	Inaugurated Science Exhibition	KRM Public School (CBSE), Chennai	15, July 2016
48.	Seminar - Chief Guest	invited talk at the state level seminar on Enhancing Intellectual and Emotional attitude of Learners at Global level	Dr.Rajalaxmi College of Education, Avadi, Chennai	, 3, Jan, 2015.
49.	Seminar - Guest Speaker	invited talk at the state level seminar on Ethical Imperatives to Environmental Education- A strategic shift for Sustainable Development of Green and Clean India	, SathyaSai B.Ed. College, Avadi, Chennai	29, Nov 2014.
50.	Workshop - Chief Guest	Exhibition by the students	Bentinck Higher Secondary	8, Nov, 2014.



		of Chennai district	School for Girls, Vepery, Chennai	
51.	Workshop- Resource person	District Level Content Enrichment Training for the Physics PGTs in Govt. and Govt.aid ed Schools	DIET, Chennai held at Don Bosco Hr.Sec.School, Perambur	17, Oct 2014
52.	Guest Lecture	Inaugurated the Science Association	Valliammal Matriculation Higher Secondary school, Anna Nagar East, Chennai	August 4, 2014
53.	Guest Lecture	Celebrate Science	Srimathi Maharani Bai Jumna Doss Vaishnav Higher Secondary School, Arumbakkam, Chennai	June, 2014
54.	Workshop -Resource person	addressed the B.Ed Teacher trainees	Meston College of Education, Royapettah, Chennai	24, March, 20 14
55.	Workshop- Guest speaker	Sir.C V Raman Science project achievers	V.O.C. Vidyalayaa Matriculation Higher Secondary School,	on March 14, 2014.

			Perambur, Chennai	
56.	Microscopy and photomicrography workshop	Conducted a training session on Foldscope at Microscopy and photomicrography workshop	P.G. & Research Dept. of Microbiology, D.G.Vaishnav College	22, Sep, 2017.
57.	Guest Lecture	Addressed at Women's Day celebration 2014	Theagaraya Chetty Educational Institutions, Washermanpet, Chennai	March 7, 2014
58.	Guest Lecture	valedictory function of Physics Association	Queen Mary's College, Chennai	28, Feb, 2014
59.	Guest Lecture	Physics Association PhysElectra	Bhakthavathsalam College for Women, Chennai	2014
60.	Guest lecture	Invited talk <b>Beyond Convent ion</b> , a TEDX event	Sri Sairam Engineering College Chennai	August 17, 2013
61.	Workshop- Resource person	"Emerging Trends in Science Teaching" for the PG	<b>Federation of Science Clubs of Tamilnadu (FSCT)</b> and the <b>Department of School Education,</b>	July 26, 2013

		physics teachers	<b>Corporation of Chennai</b> in association with the <b>Science City, Chennai</b>	
62.	Guest Lecture	Addresed the gathering as Chief guest and gave a talk	Srimathi Maharani Bai Jumna Doss Vaishnav Higher Secondary School, Arumbakkam, Chennai	June 11, 2013
63.	Regional Workshop	Delivered talk “ <b>Science Communication through Stories</b> ” <b>XII Regional Workshop on Science Writing/ Journalism</b>	Sri Sairam Engineering College and MTS Academy, Chennai	Dec 14, 2012.
64.	Workshop- Chief Guest	Inaugurated <b>CONFLUENZ</b> , book exhibition and <b>Sci</b>	Shri.B.S. Mootha Girls Senior Secondary School, West Mambalam, Chennai	Nov, 10, 2011

		<b>Expo,</b> Science Project and delivered talk, as a part of Children 's Day Celebrati on		
<b>65.</b>	Guest Lecture	<b>“Sindh nai Seivom”</b> , a talk on our country's growth in Science and Technolo gy, then and now to commem orate the Birth Annivers ary of Nobel Laurate Sri. Subrama nyam Chandra sekar	Hindu Hr.Sec.Scho ol, Triplicane, Chennai	Oct, 19, 2011.
<b>66.</b>	Workshop- resource person	<b>Oneday Worksh op on Group Theory and its Applicat ion to</b>	Postgraduat e Department of Physics, Women's Christian College, Chennai in	Oct 7, 2011.

		<b>Molecular Vibrations (WOGAM 2011)</b>	collaboration with Indian Spectrophysics Association	
67.	Conference	Invited Talk on Concession in Entry into Colleges for Children with Special Learning Difficulties	Madras Dyslexia Association, MDA, Chennai	06, July, 2019
68	Seminar	<b>State level Seminar</b> on Enhancing Intellectual and Emotional attitude of Learners at Global level	Dr.Rajalaxmi College of Education, Avadi, Chennai	3, Jan, 2015

<b>16 Details of publication of Articles/ Chapters written in EDITED BOOKS:</b>				
<b>S.No</b>	<b>Book Name</b>	<b>Title of Articles/Chapters</b>	<b>Name &amp; Address of the Publisher</b>	<b>Month &amp; Year of Publication</b>
1.	Indhityapaarambariyathth in Pokkisham ISBN 978-81-	Many	CSIR - NIScPR, Govt.of India	Jan, 2023

	967612-8-8			
2	Exploring Science and Mathematics with Vigyan Pratiba Learning Units ( in Tamil) Class 8, Teacher version , ISBN 978-81-963057-4-1, <b>Year 2023</b>	All Chapters	Institute of Mathematical Sciences, Chennai funded by Dept. of atomic Energy, Govt.of India	Mar, 2023
3	Yen Maayap Palli ISBN 978-81-961852-0-6	All Chapters	Jothi Publications	Jan, 2023
4	Vigyan vidushi, 75 Women Trailblazers of Science ISBN 978-81-7480-388-7	Annapurni Subramaniam, Neelima Gupte, Renu Swarup, Tessy Thomas	Vigyan prasar, DST Govt. of India	2022
5.	Yavarkumam Kalvi ISBN 978-81-958085-4-0	All chapters	Jothi Publications,	Dec, 2022

			Muggapair, Chennai	
6.	Kanden Aatralai ISBN 978-81- 958085-6-4	All chapters	Jothi Publications, Muggapair, Chenna	Dec, 2022
7.	Nunn alaigalaip patri naam arindhadhu eppadi -Tamil translation of Microwaves of Issac Assimov	All chapters	Thooral Books under MHRD funded Project Kaleidoscope of IITM	2021

17 Details of individual/collaborative MAJOR/MINOR research project undertaken:						
S.No	Title of the Project	Name & Address of the Collaborating Faculty	Funding Agency	Fund Sanctioned	Period	Duration
	Muthuamizh Arignar Tamil Translation Project	Dr.V.Rengana yaki & Dr.Selvakothai Nachiyar, Department of Physics DDGD Vaishnav College Chennai	TN Text book and educational services Corporation	5000	Six months	Oct, 2021-March, 2022
	Review Of e-content in Physics for Higher	Nil	Samgraha Shiksha, TN School Education Department	24000	Ongoing uptil all chapters are over	2021-22

	Secondary students					
	Tamil translation of Science worksheets of Vigyan Pratibha, <b>Homi Bhabha Centre for science Education, TIFR</b>	Manikandan.S Institute of Mathematical Sciences, IMSc, Chennai	Department of Atomic Energy through IMSc	25000	Ongoing upto all books are translated	2021-22
	<b>Use of Foldscope as a Educational and Training tool</b>	Nil	Department of Biotechnology, Ministry of Science & Technology, Govt. of India	3,00,000	18 months	Mar,2018-Oct, 2019
	Creation of E-Content learning material for two practical papers (ELHP-305: V and ELHP – 206) of <b>B.Sc.(H) Electronics</b>	Dr.V.Renganyaki, Department of Physics, DDGD Vaishnav College Chennai	<b>NME-ICT project</b> of Ministry of Human Resource Development ( <b>MHRD</b> ), <b>Govt. of India</b> through EMMRC Anna University, Chennai	1,45,000	3 months	Sep- Nov, 2017



	<b>course of Delhi.</b>					
	DBT STAR College support	Nil	Department of Biotechnology, Govt. of India	29,00,000	36 months	Mar, 2013 - Mar, 2017
	To develop a model to calculate the Carbon footprint of Dwaraka Doss Goverdhan Doss Vaishnav College	Nil	UGC  <b>UGC Minor Research Project</b>	1,05,000		Nov, 2011 to May, 2013

<b>18 Details on RESEARCH GUIDANCE:</b>					
S.No	Type (FT/PT)	Name of the candidate	Title of the Dissertation	University	Status
	Nil				

<b>19 Details of papers published in JOURNALS:</b>							
S.No	Journal Type (National/International)	Name of the Journal	Title of the article	Name of the Co-authors	Vol No, Issue No, Page Nos, ISSN No/DOI	Month and year of Publication	Impact Factor/SCI/Scopus (if any)
1.	International	International Research Journal of Tami	An overview on steps to accelerate Science	Manikandan Sambasivam, Institute of	Vol 4 (2), 45-53 DOI : 10.34256/irjt2226	March 2022	

			Communication in Tamil	Mathematical Sciences , Chennai			
2.	National	Translation Today	Science worksheets for Children in Regional languages : A Translator's Perspective	Manikandan Sambasivam, Institute of Mathematical Sciences , Chennai	Vol. 15(2), 177-194 DOI: 10.46623/translation/2021.15.2.ar8	2021	
3.	International	International Journal of Engineering Sciences Research and Technology	Synthesis, Growth and Characterisation of L-Alanine Potassium Sulphate Single Crystals	V.C. Bharath Sabarish , V.Rengayaki	3, 124-137 ISSN : 2277-9655	2019	
4.	International	Asian Journal of Chemistry	UV-Visible Spectroscopic Analysis of Influence of Trace Elements on Albendazole	B.Surya, B.Anita	Vol. 22 No.1, 657-660 ISSN: 0970-7077	2010	
5.	International	Asian Journal of Chemistry	FTIR Spectral Study on Jaundice Blood Samples Before and After Treatment	S.Gunasekaran, E.Sailatha, B.Anita	Vol. 22 No.1, 51-56 ISSN: 0970-7077	2010	

6.	International	Asian Journal of Chemistry	Vibrational spectra and Qualitative analysis of Albendazole and Mebendazole	S.Gunasekaran, Pachaiyappa's College, Chennai	Vol. 20 No.8, 6310-6324 ISSN: 0970-7077	2008	
7.	International	Asian Journal of Chemistry	FTIR and UV-Visible Spectral Study on Normal and Jaundice Blood Samples	S.Gunasekaran, Pachaiyappa's College, Chennai	Vol. 20 No.7, 5695-5703 ISSN: 0970-7077	2008	
8.	International	Indian Journal of Pure and Applied Physics	Fourier transform Infrared and Fourier transform Raman spectra and normal coordinate analysis of Ethylenimine	S.Gunasekaran, Pachaiyappa's College, Chennai	Vol.46, 100-105 ISSN: 0019-5596	Feb, 2008	

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Details of AWARDS received:			
S.No	Title of the Award	Awarding Agency / University / Government	Month /Year
1.	IAPT Dinabandhu Sahu Memorial Award – 2023 for the significant contribution	Indian Association of Physics Teachers	5, Sep, 2023

	towards Undergraduate Physics Teaching and Science outreach activities		
2	<b>Recognising Scholastic services</b> in imparting academic knowledge and skills to students to excel in life	The Sankara Nethralaya Academy, Chennai	June, 2017

3.	<b>Best Teacher Award</b>	Lions Clubs International, District 324 A1	September, 2013
4.	<b>Best Tamil Science writer</b> award for the year 2012-13 for popularization of Science in Tamil.	Prof.V.C. Kulandaiswamy educational trust	Feb, 2013
5	<b>Teacher Fellowship</b> for doing Ph.D. Programme	UGC FIP X Plan	June, 2005
6.	Project fellow for <b>UGC Major project</b>	UGC	Jan, 1999

21 Details of MEMBERSHIP IN EDITORIAL BOARD/ACADEMIC AGENCIES/BODIES:				
S.No	Name of the Journal/Magazine/Agency	Position in the Board	ISBN/ISSN No.(if any)	Year
1.	Indian Association for Physics Teachers, India, Tamilnadu & Pondicherry Chapter RC -13	Secretary		2022 - 2025
2.	OWSD Organization for Women in Science for the Developing World	Full Member		2022
3	Young Academy of India (YAI )	Elected Fellow		2021
4	Association of Asia-Pacific Physical society- Division of Condensed Matter Physics, AAPPS-DCMP, Mumbai, India	Regular Member		2021
5	Indian Society of Analytical Scientists, BARC, India	Life Member		2021

6	Indian Laser Association, RRCAT, Indore, India	Life Member		2021
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7	Indian Association for Physics Teachers, India, Tamilnadu & Pondicherry Chapter RC -13			2017
8	The Indian Science Congress Association, Kolkata, India	Life Member		2012
9	Indian Women Scientists' Association, Mumbai, India	Life Member		2012
10	Indian Physics Association, Mumbai, India	Life Member		
11	Indian Spectro Physics Association (ISPA), India	Life Member		1998

<b>22 POSITIONS HELD in this institution:</b>			
<b>S.No.</b>	<b>Institution/Department Level</b>	<b>Position</b>	<b>Duration</b>
1.		Head, Department of Physics ( Aided)	From 2008 till now
2.		Head/ Advisor, Department of Physics ( Self financing)	From 2008 till 2015
3.		Chairman, Board of Studies, B.Sc,Physics	From 2009 till now
4.		Chairman, Board of Studies, M.Sc. Physics	2009 -15
5.		B.Sc. Physics with Computer Application	2011-15
6.	Institutional	Convenor, Special needs Equal opportunity cell	2022-
7.	Institutional	Overall Coordinator, DBT STAR College support scheme	2013-16