

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

1	Name	Dr V RENGANAYAKI
2	Designation	ASSOCIATE PROFESSOR
3	Department	PHYSICS
4	Employee Id	752259
5	Date of Birth	25.06.1976
6	Gender	FEMALE
7	Date of Appointment in this institution	REGULAR:16/02/2009 SELF FINANCING:05/09/2000
8	Experience in this institution	23 Years 5 months
9	Official Mail Id	ranganayaki@dgvaishnavcollege.edu.in
10	Blood Group	A1 positive

11 EDUCATION DETAILS (from highest qualification):					
S.No.	Degree	Institution	University	Year of study	Grade/Class
1	Ph.D.	Presidency College	University of Madras	2008	
2	SLET		Bharathidasan University	1999	
3	M.Sc.Physics	PSG College of Arts & Science	Bharathiar University	1998	First class with Distinction
4	B.Sc.Physics	PSGR Krishnammal College for women	Bharathiar University	1996	First class with Distinction

12 Details of ORIENTATION/REFRESHER COURSES attended:				
S.No.	Orientation/Refresher	University/Institution	Duration	Date (from-to)
1	Orientation course	UGC-ASC University of Madras	28 days	20/05/2014 to 16/06/2014
2	Refresher course	UGC-ASC & HRDC, Centre for Nanoscience and Nanotechnology, University of Madras	21 days	17/11/2015 to 07/12/2015
3	Refresher course	UGC-ASC,HRDC & RCCB, University of Madras	21 days	23/05/2017 to 12/06/2017

4	ARPIT Course -Curriculum, Pedagogy and Evaluation for Higher Education	SWAYAM APRIT online course	16 weeks	01/09/2019 to 15/01/2020
5	NPTEL course-A brief Course on Superconductivity	SWAYAM online course	4 weeks	01/01/2020 to 30/04/2020
6	FDP –“Managing Online Classes and cocreating MOOCs 2.0”	Teaching Learning Centre,Ramanujan College, University of Delhi Under the aegis of Ministry of Education, PMMMNM on Teachers and Teaching.	2 weeks	18/05/2020 to 03/06/2020
7	Refresher Course in Physics	Teaching Learning Centre,Ramanujan College, University of Delhi Under the aegis of Ministry of Education, PMMMNM on Teachers and Teaching in association with Harish Chandra college, Varanasi	2 weeks	27/10/2021 to 10/11/2021

13 Details of SEMINARS, CONFERENCES, WORKSHOPS, FDPs etc. attended:					
S.No	Type (Regional/ National/ Internation al)	Theme (Workshop/Conference/Se minar/FDP)	Organized by	Duration	Date
1	National	A workshop on Physics Education and Research	CCE, IIT Madaras	6 days	20/12/2010 to 25/12/2010
2	Regional	UGC funded State Level Workshop on Practical Troubleshooting in electronics, Microprocessor and Microcontroller Experiments	Dept. of Physics,Ethiraj College,Chennai	2 days	1/2/2013& 2/2/2013
3	Regional	Hands – on Training in Biophysical Techniques	CAS in Crystallography and Biophysics, University of Madras& D G Vaishnav College	2 days	13/08/2013 & 14/08/2013

4	Regional	One day workshop on Research methodology-Contemporary Research in Science	IQAC, Dwaraka Doss Goverdhan Doss Vaishnav College	1 day	05/10/2017
5	National	Remote Sensing and Geographic Information System- capsule course	AMET University, Chennai, sponsored by ISRO, Bengaluru	5 days	24/11/2017 to 28/11/2017
6	National	A workshop on Physics Education and Research	CCE, IIT Madaras	6 days	18/12/2017 to 23/12/2017
7	Regional	Training programme on Roof Gardening	Tamil nadu Agricultural University, Information & Training Centre, Chennai and DBT STAR college Scheme, D G Vaishnav College	1 day	30/01/2018
8	Regional	Training programme on flower arrangements and Boquet making	Tamil nadu Agricultural University, Information & Training Centre, Chennai and DBT STAR college Scheme, D G Vaishnav College	1 day	06/03/2018
9	National	Workshop-Computer simulations to enhance Physics learning	Dept. of Physics, D G Vaishnav College	1 day	30/11/2018
10	Regional	Inter-college workshop cum training programme-identification and supporting dyslexic students	IQAC, Dwaraka Doss Goverdhan Doss Vaishnav College	1 day	05/02/2019
11	National	FDP-Arpit course for CAS Curriculum, pedagogy & evaluation for higher education	SWAYAM ARPIT ONLINE COURSE	16weeks	01/09/2019 to 15/01/2020
12	National	NPTEL course-A brief Course on Superconductivity	SWAYAM online course	4 weeks	01/01/2020 to 30/04/2020
13	National	FDP –“Managing Online Classes and cocreating MOOCs 2.0”	Teaching Learning Centre, Ramanujan College, University of Delhi Under the aegis of Ministry of Education,	2 weeks	18/05/2020 to 03/06/2020

			PMMMNM on Teachers and Teaching.		
14	National	Online Lecture series in Solid state Physics	Dept. of Theoretical Physics, University of Madras	4 days	01/06/2020 to 04/06/2020
15	National	National Level Virtual Training -ICT Competancy for Higher Education Teachers	IQAC, Dwaraka Doss Goverdhan Doss Vaishnav College	3 days	13/07/2020 to 15/07/2020
16	National	FDP on Universal Human Values for Dheeksharambh	Dept. of Mech. Engg., NIT Patna	5 days	21/09/2020 to 25/09/2020
17	National	An Introductory workshop on virtual Physics Lab	National Institute of Engg., Mysore	1 day	08/12/2020
18	National	Workshop -Build on SDG goals and explore opportunities in Physics	Dept. of Physics, Dwaraka Doss Goverdhan Doss Vaishnav College	1 day	18/12/2020
19	National	Webinar-ICT for effective Physics teaching, learning & evaluation	Dept. of Physics, Stella Maris College	1 day	18/05/2020
20	National	FDP-Carrier advancement scheme (CAS) promotion -leadership and governance in higher education	SWAYAM ARPIT Course	4 months	1/12/2020 to 31/03/2021
21	National	National Level FDP on research based pedagogical tools	Sophia College, Mumbai in collaboration with IISER, Pune	5 days	24/05/2021 to 29/05/2021
22	National	Webinar- Self awareness for personal growth	Dept. of Physics, Dwaraka Doss Goverdhan Doss Vaishnav College	1 day	06/01/2021
23	National	Webinar-Women in STEM-empowering diversity in science	Dept. of Physics, Dwaraka Doss Goverdhan Doss Vaishnav College	1 day	09/02/2021
24	National	National level online FDP in science pedagogy	Dept. of Physics, Dwaraka Doss Goverdhan Doss Vaishnav College	7 days	09/08/2021 to 16/08/2021
25	National	online intensive training cum orientation programme on translation and interpretation	NTM, CIIT, MoE, Mysore	2 weeks	17/09/2021 to 30/09/2021
26	National	National Webinar on 'Hybrid 2D Metal-Halide	AMET University	1 day	07/06/2021

		Perovskite for Optoelectronic Applications			
27	National	Building STEM intelligence through storytelling	NDLI club	1 day	20/09/2021
28	National	Shiksha shilpi aahaar krant	Shiksha shilpi aahaar krant & GIST	2 days	26/07/2021 & 23/08/2021
29	International	International FDP Innovative Techniques for Professional Development of Teachers in Higher Education	ICSSR-NERC sponsored, NEHU, Meghalaya	9 days	01/09/2021 to 09/09/2021
30	International	Workshop-Philosophical way of life for professional development of teachers in Higher Education	ICSSR-NERC sponsored, NEHU, Meghalaya	1 day	08/09/2021
31	National	National conference for science communicators & science teachers	CSIR-NIScPR	2 days	29/11/2021 & 30/11/2021
32	National	FDP-Advanced computation and experimental research in Physics	Dept. of Physics, SRM Institute of tech., Ramapuram, Chennai	1 week	20/06/2022 to 27/06/2022
33	National	One week national e-workshop on Innovation and Intellectual Property rights	InTec, CSIR-IMMT, Bhubhaneswar	1 week	12/06/2023 to 17/06/2023
34	Regional	Faculty Development Programme	FDP cell & IQAC, DDGD Vaishnav college	5 days	14/06/2023 to 18/06/2023

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	National	National Conference on Chemical Physics (NSCP)	Qualitative analysis on some mosquito repellants using spectral measurements	Department of Physics, Annamalai University	March 10-11, 2003
2	National	National Seminar on Modern Trends in Applied Spectroscopy (NASMTAS)	Internal standard measurements and qualitative analysis on some anti diabetic drugs	Physics section, Faculty of Engg. & Tech., Annamalai University	March 25-26, 2004

3	National	National Conference On Recent Advances In Molecular Interactions (NCRAMI)	Spectroscopic analysis on some anti diabetic drugs	Department of Physics, PSG college of arts and science, Coimbatore	March 26-27, 2004
4	National	National Level Seminar On Spectroscopic Applications And Instrumentation,	Characterisation of normal and diseased blood by UV Visible spectroscopic method	Department of Physics, Auxilium College, Vellore	October 15, 2004
5	International	International Conference On Spectrophysics (INCONS)	Study on bound drug-blood interaction of Xylazine by UV-Visible spectroscopic method	PG and research Department of Physics, Pachaiyappa's college, Chennai	February 9 – 12, 2005
6	National	National Conference On Recent Advances In Material Science (NCMS)	FTIR and UV Visible spectroscopic analysis of healthy and leukemia blood	Department of Physics, Periyar University, Salem,	February 16-17, 2006
7	International	International Conference On Perspectives In Vibrational Spectroscopy	UV Visible spectroscopic analysis of healthy and diseased biological fluids	Department of Physics, Meerut college, Meerut	February 25 – 28, 2006
8	International	International Conference On Perspectives In Vibrational Spectroscopy	Spectroscopic and thermodynamic analysis of N, N' dimethyl biguanide hydrochloride	Department of Physics, Meerut college, Meerut	February 25 – 28, 2006
9	National	National Level Conference On Recent Advancements In Materials Science (RAMS-2006)	Spectral and Chromatographic analysis of neem oil	Department of Physics, Ramakrishna Mission Vivekananda College, Chennai	December 29-30, 2006
10	National	National Conference on recent advances in vibrational Spectroscopy (NCVS 2007)	Comparison of Therapeutic Efficacy of Some Oral Hypoglycemic Agents and Heamatinics by Fourier Transform	Department of Physics, Periyar University, Salem	January 29-30, 2007

			Infrared Spectrometry		
11	International	International Conference on recent Frontiers in	Spectroscopic and Chromatographic Analysis of Some	Department of Physics, Annamalai	September 22-24, 2010

		Applied Spectroscopy (ICORFAS -2010)	commercial samples of neem oil	University, Chidambaram	
12	National	National conference in tamil and science	Vembin thara urudhi aayvil niramaalaiyalin pangu	Ariviyal Thamizh Mandram, Manonmaniam Sundaranar University, Rajakkamangalam, Kanyakumari,	Sept 7-8 , 2010
13	National	National Conference on Recent Advances in Molecular Physics	Effect of potassium nitrate on the optical and the structural properties of L Histidine Acetate single crystals	Department of Physics Queen Mary's College, Chennai,	February 10-11 , 2011
14	International	International Conference on Impact of Physical Sciences on Biology, (ICIPB 2011)	Spectroscopic and Chromatographic Analysis of Some commercial samples of neem oil	Dept. of Botany, Queen Marys College, Chennai – 600005	July 7-8, 2011
15	National	National Seminar on Advances in Materials Science (NSAMS 2012)	Growth and Characterization of Single Crystals of LHistidinium Acetate (LHA)	Dept. of Physics, Manonmaniam Sundaranar University, Tirunelveli	23-24 January 2012
16	National	National Seminar on Technologically Important Crystalline and Amorphous Substances (TICAS 2012)	Synthesis, growth and characterization of pure and doped Ammonium dihydrogen phosphate (ADP) single crystals	Department of Physics, Kalasalingam University, Krishnal Koil, Tamil Nadu	March 2-3, 2012
17	National	12th National Tamil Science Congress	Pasumai illa vilavum adhan thaakamum	Periyar University, Salem	23-25, August 2012
18	International	International conference Research : Perspectives and procedures (ICRPP)	Vibrational spectroscopic investigation on aspirin using semi-empirical calculations	SDNB Vaishnav College, Chrompet, Chennai,	23-24 August 2012

19	National	National Seminar on Crystal Growth	Growth and characterization of Bis Glycine Hydrogen Borate single crystals	Crystal Growth Centre, Anna University, Chennai,	9-11 January 2013
20	National	National Seminar on Crystal Growth	Crystal Growth, Spectroscopic, Optical and Thermal Studies of Glycinium Maleate	Crystal Growth Centre, Anna University, Chennai	9-11 January 2013
21	International	International Conference on emerging Trends & challenges in Science & Technology (ICETCST-2013)	Growth and Characterization studies of Glycinium Maleate single crystals	Bhaktavatsalam Memorial College for Women, Chennai	1-2 March 2013
22	National	Third National Seminar on Technologically Important Crystalline and Amorphous Substances (TICAS 2014)	Thermoanalytical studies of glycinium maleate crystal using Coats-Redfern method	Department of Physics, Kalasalingam University, Krishnakoil, Tamil Nadu,	28th February & 1st March 2014
23	National	Technical Seminar in Applied Sciences and Engineering	Effect of concentration in the electrical conductivity and pH of three different citrus fruit juices	Science and Humanities Association, St. Peter's University, Avadi Chennai	6th March, 2014
24	National	National Conference on Visualize molecules and Cognize Crystals	Thermogravimetric studies and analytical calculations of glycinium maleate single crystals	Dept. of Physics, SDNB Vaishnav College, Chennai	25-26, February 2014

25	National	National Conference on Frontier Avenues in Chemistry and Environment FACE 2015	Thermogravimetric studies and analytical calculations of L-Arginine Acetate single crystals	PG & Research Department of Chemistry, D G Vaishnav college, Chennai	11-12, February, 2015
26	National	National conference on New Materials & Drugs	Thermo analytical studies and non isothermal kinetics of L-alanine Hydrogen Chloride single crystals	Research Department of Physics, SDNB Vaishnav College for Women, Chrompet, Chennai	24-25, February, 2015
27	National	National conference on recent advances in applied sciences-Dept. of basic sciences	Thermogravimetric and spectroscopic studies of L-Alanine Hydrogen Borate single crystals	Dept. of basic sciences CTTE College, Chennai	5-6 February, 2015
28	International	International Conference on Recent Advances in applied Sciences	Growth, characterization and thermoanalytical studies of L Alanine hydrogen chloride single crystals	ISPA and St.Peter's University, Chennai	11-13 Feb 2016
29	International	National conference on recent advances in applied sciences-Dept. of basic sciences	Growth, Characterisation and Spectroscopic studies of L alanine hydrogen chloride single crystals	ISPA and St.Peter's University, Chennai	11-13 Feb 2016

30	National	National Conference on Advances in Material Science and non linear science	Thermoanalytical studies of pure and doped LAHC single crystals	Dept. of Physics, B S Abdul Rahman University, Chennai	Feb 24-25, 2016
31	National	5th National Conference on Hierarchically Structured Materials (NCHSM 2017)	Synthesis, Growth And Characterization Of Pure And Mg Doped LAHC Single Crystals	DST sponsored conference organised by Dept. of Physics, SRM University, Ramapuram, Chennai	31st March and 1st April 2017
32	International	Sevviyal Ilakkiyangal Panmuga Paarvai-International Conference	Pazhamozhi Naanooru Koorum Kalviyin Perumai	Dept. of Tamil, D G Vaishnav College, Volume 4, Year 2017	1-3, March, 2017
33	International	5th International Siva Sidhantha Conference	Thirukovilur Thirukkoilkal	Dharmapura Aadheenam, Department of Saiva Siddhanta University of Madras and Department of Tamil, D G Vaishnav college	8-11, March 2018
34	National	National Conference of Science Communicators & Science Teachers	Science as a tool for Liberation-Role of Indian Scientists	CSIR-NIScP R, New Delhi	29-30, Nov 2021
35	International	Indo South Korea Thailand 3 rd international conference on nanoscience and nanotechnology for energy environment and biomedical applications	Growth and characterization of ZnO nanoparticles using curry leaves and aparajitha flower extracts	Vinayaka mission research foundation, Salem, GNU South Korea and CU, Thailand	1-2, October 2023

15	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	Workshop	Workshop for training Physics PG Teachers in Govt. Schools	Importance of microprocessors	Federation of Scienceclub of Tamilnadu (FSCT) and Department of Physics, DGDVC under DBT STAR support scheme	October 12, 2013
2	Science projects	Science exhibition	Need of science projects in current scenario	Vivekananda Vidyalaya group of schools, Chennai	August 13, 2015
3	workshop	Seminar on developing new Science Curriculum	Science Curriculum at primary level	SCERT, Chennai, held at Anna University, Chennai	21 st July 2017
4	Training programme	Science – in service training for Govt. school teachers	Nanoscience in our daily life	Rashtriya Maadyamik Shiksha Abhyaan (RMSA), Chennai Corporation held at DGDVC	11 th July, 2017
5	Conference	First annual convention of TN&Puducherry Regional Council	Role of Information Communication Technology in enhancing Science Teaching	Indian Association of Physics Teachers, IIT Madras	22 nd September 2017
6	Guest Lecture	International Women's day celebration	Famous Physicist	All India Radio Chennai A	march 7-11, 2016

			s of our country		
7	Guest Lecture	International Women's day celebration	Indian women scientists	All India Radio Chennai A	28/2/2018 and 7/3/2018
8	Guest Lecture	National Science day	Contribution of indian women scientists	Sitaram Vidyalaya, West Mambalam, Chennai	28/2/2018
9	Conference	National Conference of Science Communicators & Science Teachers	Science as a tool for Liberation-Role of Indian Scientists	CSIR, NIScPR, Vigyan Prasar, Vigyan Bharti	Nov 29 & 30, 2021
10	Subject Expert	Internal Academic Audit		Meenakshi College for women, Chennai	October 27, 2022
11	Subject Expert	CAS-Scrutiny Meeting		Ethiraj College for women, Chennai	Nov 15, 2022
12	Resource person	Ariviyal Pesalam Vanga, Naational workshop	CSIR-80 Science communication	DDGD Vaishnav College	Feb 21-22, 2023
13	Resource Person	INGENIOUS '23, NATIONAL SCIENCE DAY CELEBRATION	Remembering Indian Scientists	Sri Chaitanya Techno School, Royapuram Chennai	Feb 27, 2023
14	Resource Person	NATIONAL SCIENCE DAY	Indian Women scientists	NKT College for Education, Triplicane, Chennai	Feb 28, 2023
15	Guest of Honour	SCIENCE EXHIBITION	STEM SPARKS	Velammal Matric Higher Secondary School, Mogappair, Chennai	Sept 9, 2023

16 Details of publication of Articles/ Chapters written in EDITED BOOKS:				
S.No	Book Name	Title of Articles/Chapters	Name & Address of the Publisher	Month & Year of Publication
1	The Big and The Small-Volume 1 in Tamil	Chapters 1to 4,11	TNTBES&C &University Press	In press
2	Saha and his formula	Chapter 9	TNTBES&C &University Press	In press
3	How did we find out LASER –by Issac Asimov in tamil	book	Project Kaleidoscope team, IIT Madras	In press
4	SCIENCE PARK	Physics behind the human body, A science article series authored in science magazine	L Krishnamoorthy Ariviyal Ulagam Publishers	Feb 2012- March 2013
5	Ariviyal Oli	Irubathaam Nootrandin Inaiyarra Iyarbiyal Arinyar	Dr N S Chidambaram Publisher Ariviyal Oli Chennai	February 2012

		Volume 6(3), Year 2012, Pages 80-82		
6	Ariviyal Oli	Nano uyirithozhilnutpam	Dr N S Chidambaram Publisher Ariviyal Oli Chennai	Sept, 2014
7	Ariviyal Poonga	Naane Naana .. Nano thaana..	Dr Seyon	Sept, 2014
8	Visualize molecules Cognize crystals	Thermogravimetric studies and analytical calculations of glyciniun maleate single crystals ISBN:978 - 93 - 81006 - 89 - 4 pages.60-64	Dr S Lakshmi Research Dept of Physics SDNB Vaishnav college Chennai	January 2015
9	proceedings of the national conference on the recent advances of applied sciences	Spectroscopic studies on L-Alanine Hydrogen chloride single crystals ISBN: 978-81-923944-2-3 vol 1, 133-136	Dr R Meenakshi Dept. of Basic Sciences, CTTE College, Chennai	2015
10	proceedings of the national conference on the recent advances of applied sciences	Thermogravimetri c and spectroscopic studies of L-Alanine Hydrogen Borate single crystals ISBN: 978-81-923944-2-3 vol 1, 137-140	Dr R Meenakshi Dept. of Basic Sciences, CTTE College, Chennai	2015
10	Ariviyal Oli	Oli mayamma Ethirkaalam Volume 9(2), Year 2015, Pages 13-16	Dr N S Chidambaram Publisher Ariviyal Oli Chennai	Jan 2015
11	Ariviyal Oli	Lub Dub Lub Dub Volume 9(12), Year 2015, Pages 35-37	Dr N S Chidambaram Publisher Ariviyal Oli Chennai	October 2016

12	Ariviyal Oli	Vilangugal Kattum Vindai migu thozhil nutpam part 1 Volume 11(6), Year 2017, Pages 27-28	Dr N S Chidambaram Publisher Ariviyal Oli Chennai	May 2017
13	Ariviyal Oli	Vilangugal Kattum Vindai migu thozhil nutpam part II Volume 11(7), Year 2017, Pages 29-30	Dr N S Chidambaram Publisher Ariviyal Oli Chennai	June 2017
14	Sevviyal Ilakkiyangal-oru panmuga paarvai	Pazhamozhi Naanooru Koorum Kalviyin Perumai Volume 4, Year 2017, 1-3, March, 2017, Pages 119-122, ISBN:978-81-909 327-2-1	Dr P Murugan, Dr A Ramesh, Dept. of Tamil, D G Vaishnav College	March 2017
15	Proceedings of the 5 th International Siva Sidhantha Conference	Thirukovilur Thirukkoilkal ISBN 978-93-81294-17- 8, Vol.3, Pages16-22	Dharmapura adinam Mayiladudurai	March 2018
16	Ariviyal Oli	Einstein –in Sarbial Kotpaadu- Oru Eliya Vilakkam Volume 12(3), Year 2018, Pages 103-106	Dr N S Chidambaram Publisher Ariviyal Oli Chennai	Feb 2018
17	Ariviyal Oli	Irubathaam nootraandin inaiyatra pen vinzhanigal Volume 13(3), Year 2019, Pages 95-102	Dr N S Chidambaram Publisher Ariviyal Oli Chennai	April 2019
18	Ariviyal Oli	Helium Pirandha Kadhai SUDAR 15, OLI 8, Year 2021, Pages 31-33	Dr N S Chidambaram Publisher Ariviyal Oli Chennai	Aug 2021
19	Ariviyal Oli	Pandam Indhiyavin Ulogaviyalin Valarchi SUDAR15,OLI 5, Year 2021, Pages 24-26	Dr N S Chidambaram Publisher Ariviyal Oli Chennai	May 2021

20	Arivom Ariviyal	ALL chapters-full book ISBN: 978-81- 958085-7-1	Jothi publications chennai	Jan 2023
21	India paaramparytin pokkisham, VOLUME1	Chapters ISBN 978-81-967612-8-8	CSIR-NIScPR New Delhi	Dec 2023

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
1	Growth, Structural, optical and thermogravimetric studies of L-Alanine hydrogen chloride single crystals and a model fitting approach to the non isothermal kinetics of the crystal	individual	UGC Minor Research Project	1.85 Lakhs	March 2015 to Jan 2017	18 months
2	NME-ICT Project-Subject Expert in preparation of E-content, E-learning Resource materials for B.Sc.(H) Electronics course(DU)	Educational MultiMedia Research Centre (EMMRC), Anna University, Chennai	National Mission on Education through Information and Communication and Technology (NME-ICT) project, Ministry of Human Resource Development (MHRD), Govt. of India	Rs.90,000/-	June 2017- May 2018	12 months
3	Muthamizh Arignar Translation Project	Tamilnadu Textbook & Educational Services Corporation	-	-	Nov 2021 till date	ongoing
4	Samagra Shiksha project-Academic Consultant-Digital content-Physics-Class XII & XI	MHRD & TNSCERT	MHRD & TNSCERT	Rs.27,000/-	Nov 2021 till date	ongoing

5	Vigyan Sarvatra Pujyate-75 Milestones in S&T	Vigyan Prasar, DST & Office of the Principal Scientific Adviser, Govt. of India	Vigyan Prasar, DST & Office of the Principal Scientific Adviser, Govt. of India	Rs.5000/-	March 2022	1 week
6	STEM-Vanavil Mandram -TN-2022 -Subject Expert-Physics	MHRD & TNSCERT	MHRD & TNSCERT	-	Nov 2022 Till date	ongoing

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

19 Details of papers published in JOURNALS:							
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/SI/Scopus (if any)
1	International	Indian Journal of Pure and Applied Physics	Vibrational spectra and thermodynamic analysis of metformin	S.Gunasekaran, R.K.Natarajan, S.Natarajan	Vol.44, 495-500	2006	0.923
2	International	Asian Journal of Chemistry	Qualitative analysis of some anti-diabetic drugs by spectroscopic measurements	S.Gunasekaran, R.K.Natarajan	Vol. 19, No.1, 315-327	2007	0.535
3	International	Asian Journal of Chemistry	UV-Visible spectrophotometric approach and absorption model for the discrimination of diseased blood	S.Gunasekaran, R.K.Natarajan	Vol.20, No.1, 48-54	2008	0.535

4	International	Asian Journal of Chemistry	FTIR and UV-Visible spectrophotometric approach to discriminate leukemic sera	S.Gunasekaran, R.K.Natarajan	Vol.20, No. 4, 2521-2530	2008	0.535
5	International	International journal of Chemical Sciences	Comparison of therapeutic efficacy of metformin and glibenclamide as a single agent or in combination by FTIR spectrometry	S.Gunasekaran, R.K.Natarajan	6(2), 761-772	2008	1.6
6	International	International journal of Chemical Sciences	Assay of some oral hypoglycemic agents by UV-Visible spectroscopic measurements	S.Gunasekaran, R.K.Natarajan	8(2), 923-934	2010	1.6
7	International	Asian Journal of Chemistry	Spectroscopic and chromatographic analysis of some commercial samples of neem oil	S.Gunasekaran	Vol.23, No.2, 755-776	2011	0.535
8	International	International Journal of Pharmtech Research	HF, DFT Computations and spectroscopic study of the vibrational and thermodynamic properties of metformin	S.Srinivasan	ISSN:0974-4304 Vol.3, No.3,pp.1350-1358	2011	0.819
9	International	Materials Science Research India	Computational Studies of vibration spectra and thermodynamic properties of metformin using HF, DFT methods	S.Srinivasan	ISSN:0973-3469 Vol.8.No.1	2011	0.565

10	International	International Journal of Chemtech Research	Effect of potassium nitrate on the optical structural properties of L-Histidine acetate single crystals		ISSN: 0974-4290, Vol,3, No.3, pp 1454-1461	2011	0.164
11	International	Archives of applied science Research	Growth. Structural and spectral studies on pure and doped Ammonium Dihydrogen Phosphate (ADP) single crystals	Sathya moorthy R	ISSN: 0975-508X 4(3), 1453-1461	2012	
12	International	International Journal of Chemtech Research	Vibrational Spectroscopy Investigation on aspirin using Semi-empirical Calculations	S Srinivasan & Suriya	ISSN: 0974-4290 Vol.4,No.3,pp. 983-990	2012	0.164
13	International	Archives of applied science Research	Spectroscopic studies of pure and doped L'Alanine hydrogen chloride monohydrate single crystals	B Anita	ISSN-0975-508 X, CODEN (USA)AASRC9 Vol.8(5),pp. 95-102	2016	
14	International	International Journal of Engineering Sciences & Research Technology	Synthesis, growth and characterisation of Mg doped LAHC single crystals	V C Bharath Sabarish D Uthra	ISSN:2277-9655 CODEN:IJESS7 8(4), April 2019 pages 124-137	2019	5.164
15	National	Everyman's Science	Contribution Of Indian Scientists To Modern Science And Their Fight During Indian Freedom Struggle	D Uthra	ISSN-0531-495 X (April-July2021) Volume Vol.LVI No.1&2, Pages 25-29.	2021	
16	National	Journal of chemical	Laser based study of the	D Uthra	E- ISSN: 2249 – 1929	2023	2.307

		biological and physical sciences	variation of refractive index of liquid solutions with the concentration.		[DOI: 10.24214/jcbps.C. 13.2.11218.]		
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20 Details of AWARDS received:			
S.No	Title of the Award	Awarding Agency / University / Government	Month/Year
1	National merit scholarship	Central Government	from June 1991 to May 1993
2	Kalki Krishnamurthy Memorial Scholarship for meritorious candidates	Kalki Krithnamurthy Trust, Chennai	from June 1990- to May 1995
3	University first rank in B.Sc. Physics	Bharathiar University	August 1996
4	University First rank in M.Sc. Physics	PSG CAS, Bharathiar University	August 1998
5	Best Tamil Science Writer Award	Prof. V.C.Kulandia swamy Educational Trust, Chennai	March 2014
6	Prize for popularising Science in Tamil by writing articles in Ariviyal Oli Science Magazine	Ariviyal Oli	March 2017
7	Dr.V.S.Kulanda isamy trust and Selvi Janaki Trust Prize for popularising Science in Tamil	Ariviyal Oli & Prof. V.C.Kulandia swamy Educational Trust, Chennai	March 2018

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 SpectroPhysics Association	Life member		2000
2	Indian Science Congress Association	Life member		2016
3	Indian Women Scientist Association	Life member		2016
4	Indian Association of Physics Teachers	Life member		2016
5	Indian Physics Association	Life member		2016
6	VIBHA-Vijnana Bharathi	Life member		2020
7	National Council of Teacher Scientists, India-A unit of Raman Science & Technology Foundation	Life member		2021
8	National Library and Information Services Infrastructure for Scholarly Content	Life member		2021
9	Indian Laser Association	Life member		2021
10	Indian society of analytical scientists	Life member		2021
11	Association of Asia Pacific Physical Society-Division of Condensed Matter Physics	Life member		2021
12	Plasma Science Society of India	Life Member		2023
13	OWSD-Organisation for Women in Science for the Developing World-UNESCO	Full member		2023

22 POSITIONS HELD in this institution:			
S.No.	Institution/Department Level	Position	Duration
1	Department	Co-ordinator, DBT STAR Support Scheme	2013-2018
2	Institution	Member , Board of Studies, M.Sc. Physics	2009-2015
3	Institution	Member , Board of Studies,B.Sc. Physics	2009 onwards
4	Institution	Member , Board of Studies,B.Sc. Physics with computer applications	2011-2015
5	Institution	Member - UGC co-ordination cell	2014-15 2018-19
6	Institution	Member -College club-Project Green	2014-17

7	Institution	Member -Placement & career Guidance	2017-19
8	Institution	Member -Calendar Committee	2017 onwards
9	Institution	Member-End Semester Examination committee	2018-2019
10	Department	Co-ordinator, Triple Helix-Science Club ID VP-TN0081 registered under Vigyan Prasar, DST , Govt. of India	2017 onwards
11	Institution	Member-Ethics committee	2021 onwards
12	Institution	Member-Scrutiny Committee-Selection of AP	2020-2021
13	Department	Faculty Coordinator-Student Induction Programme-Dheeksharambh 2023	2023-2024
14	Department	IQAC Department coordinator	2009 onwards