




THAMIRABHARANI ENGINEERING COLLEGE
 (Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)
 Chathirampudukulam, Chidambaranagar - Vepenkulam Road
 Thatchanallur, Tirunelveli 627 358, Tamil Nadu.

FACULTY PROFILE

PERSONAL DETAILS			
Name & Qualification	Mr. S.SELVAKUMAR M.Sc.,M.Phil.,MBA., (Ph.D.)		
Designation	Assistant Professor of Physics		
Department	Science and Humanities		
Total Teaching Experience	9 years 1 month		
Total Research Experience	5 years		
Total Industry Experience	9 months		
Area of Specialization	Solar thermal, Fuel cell, Nanophysics		
AICTE Faculty ID	1-2326093870		
Email ID	selvakumars@tec-edu.in		
EDUCATIONAL DETAILS			
Degree	Branch/ Specialization	University	Year
UG	Physics	Manonmaniam Sundaranar University	2008
PG	Physics	Manonmaniam Sundaranar University	2010
M.Phil	Physics	Madurai Kamaraj University	2012
MBA	Education Management	Alagappa University	2016
Ph.D	Physics	Manonmaniam Sundaranar University	*Thesis submitted
RESEARCH / PUBLICATION DETAILS			
Publications in Journal			
<p>➤ Published a research paper in UGC approved and Scopus indexed entitled <u><i>'Thermal Characteristics of solar collector with improved absorber configurations'</i></u> in Design Engineering (Toronto) (Volume 2021, Issue 8, pp. 12849-12855, 2021)</p>			

- Published a research paper in UGC approved and Scopus indexed entitled *'Experimentation on effective materials for photo thermal applications'* in Annals of the Romanian Society for Cell Biology (Volume 25, Issue 6, pp. 17775-17780, 2021)
- Published a research paper in UGC approved and Scopus indexed entitled *'Fabrication and characterization of nano structured honeycomb absorbers and thermal analyses on solar air heating collector'* in Turkish Journal of Computer and Mathematics Education (Volume 12, Issue 6, pp. 383-391, 2021)
- Published a research paper in UGC approved entitled *'Experimental study on the performance of solar collector with nano sized materials'* in Journal of Advanced scientific Research (Volume 11, Issue 1, pp. 187-190, 2020)
- Published a research paper in UGC approved and scopus indexed entitled *'Performance Characteristics of Solar Collector with nano structured Absorber Configurations'* in Infokara Research (Volume 8, Issue 8, pp. 85-88, 2019)
- Published a research paper in UGC approved entitled *'Thermal analyses on solar collector with heat transfer configurations'* in International Journal of Research and Analytical Reviews (Volume 6, Issue 2, pp. 53-54, 2019)
- Published a research paper in UGC approved entitled *'Thermal Analysis on Solar Collector For Supplementary Heating of Hot Fluid'* in International Journal of Research and Advent Technology (Volume 7, Issue 4, pp. 56-57, 2019)
- Published research paper in UGC approved entitled *'Energy collection efficiency of solar collector with nano carbon-Cr₂O₃ coated absorber'* in International Journal of Scientific Research in Physics and Applied Sciences (Volume.6, Issue.6 , pp. 127-128, 2018)
- Accepted research paper in UGC approved and Scopus indexed entitled *'Investigations of solar air heating collector integrated with a nano composite solar absorbers'* in International Journal of Mechanical Engineering

Conference Proceedings

- ❖ Presented a research paper entitled *'Experimental analysis of thermal energy to perform solar collector using a MATLAB prediction'* in the International Conference on 'Functional Materials for Energy, Environment and Biomedical Applications' at Bishop Heber College, Tiruchirapalli on 04-06, May, 2022.
- ❖ Presented a research paper entitled *'Sugarcane baggasse based activated carbon using in air pollutants control'* in the National level virtual Conference on 'Advanced Technologies in Waste Water Treatment' at Karpagam Academy of Higher Education, Coimbatore on 05th May, 2022.

- ❖ Presented a research paper entitled '*Thermal study on solar collector, solar absorber using nano materials : An experimental study*' in the International Conference on 'Recent Trends in Renewable Energy and its Applications' at Idhaya College for Women, Sivagangai on 22nd April, 2022.
- ❖ Presented a research paper entitled '*Nano structured materials using in solar air heating collector*' in the International Conference on 'Emerging Materials and its Applications' at St.Xavier's College, Palayamkottai on 01st March, 2022.
- ❖ Presented a research paper entitled '*Design and performance of solar air heating collector using nanosized materials*' in the International Conference on 'Current Trends in Material Science & Technology at Nehru Institute of Technology, Coimbatore on 26th July, 2021.
- ❖ Presented a research paper entitled '*Enhancing the thermal performance of solar collector using nano structured materials*' in the National Conference on 'Innovations in Science and Technology' at Sri Venkateswara College of Engineering and Technology, Chittoor on 08-09, July, 2021.
- ❖ Presented a research paper entitled '*Improving thermal performance of solar collector using nano structured absorber*' in the Three days International Conference on 'Sustainable Materials and Technologies for Bio and Energy Applications' at SSN College of Engineering, Chennai on 19-21, May, 2021.
- ❖ Presented a research paper entitled '*Optimization of the nano materials based cost effective with improved solar absorber configurations*' in the Two days Indo-Korea virtual Conference on 'Development of Advanced Materials for Future Technologies' at KAIST,Daejeon, South Korea and Vellore Institute of Technology, Chennai on 14th and 15th of May, 2021.
- ❖ Presented a research paper entitled '*Preparation and characterization of activated carbon from Sugarcane bagasse and zinc oxide in absorptive coatings and theoretical prediction of thermal performance of solar collectors*' in the Two days National Conference on 'Advanced Functional Molecules and Materials' at Karunya Deemed University, Coimbatore on 12th and 13th of March, 2021.
- ❖ Presented a research paper entitled '*Thermal characteristics of solar collector with improved absorber configurations*' in the Three days International Conference on 'Novel Materials for Biomedical, Energy, Environment, Sensing and other Applications' at National Institute of Technology, Trichy on March 11-13, 2021.
- ❖ Presented a research paper entitled '*Efficiency improvement of solar collector using nano structured absorbers*' in the Two days National E-Conference on 'Advance Research in Materials Science' at Kamaraj College, Thoothukudi on 22nd& 23rd of February, 2021.(**Best presentation award-First prize**)
- ❖ Presented a research paper entitled '*Optimization of composition of nano-sized carbon and*

aluminium oxide in absorptive coatings and theoretical prediction of thermal performance of solar collectors' in the Two days National Seminar on 'Emerging Trends in Physics' at SadakathullahAppa College (Autonomous), Tirunelveli on 28th & 29th of February, 2020.

- ❖ Presented a research paper entitled '*Performance evaluation of solar air heating collector with nano carbon-TiO₂ coated absorber configurations*' in the National Conference on 'Functional Materials' at Noorul Islam centre for Higher education, Thuckalay on 24th February, 2020.
- ❖ Presented a research paper entitled '*Emerging solar materials and their applications in Photo thermal devices*' in the National Conference on 'Design and Applications of Emerging Materials' at S.VellaichamyNadar College on 19th February, 2020.
- ❖ Presented a research paper entitled '*Experimentation on Effective Materials for Photo Thermal Applications*' in the National Conference on 'Recent Developments in Effective Materials' at Sarah Tucker College (Autonomous), Palayamkottai on 7th February, 2020. (**Best presentation award-First prize**)
- ❖ Presented a research paper entitled '*Nano structured absorber: preparation, characterization and its contribution to thermal performance of solar collector*' in the International conference on 'Recent Advancements in Material Science' at The New College (Autonomous), Chennai on 21st January, 2020.
- ❖ Presented a research paper entitled '*Experimental Study on the Performance of Solar collector with nano sized materials*' in the International Conference on 'Advanced Materials' at Aditanar College of Arts and Science on 26th August, 2019.
- ❖ Presented a research paper entitled '*Thermal Analyses on solar collector with heat transfer configurations*' in the International conference on 'Emerging Trends in Science, Technology and Mathematics' at Parvathy's Arts and Science College on 22nd August, 2019.
- ❖ Presented a research paper entitled '*Nano-sized carbon and metal oxide coated solar absorbers: preparation, characterization and efficacy evaluation*' in the 'International conference on Energy Materials' at Mother Teresa Women's University, Kodaikanal on 9th January, 2019.
- ❖ Presented the research paper entitled '*Performance Characteristics of Solar collector with Nano-structured absorber configurations*' on International conference on Emerging Trends and challenges-2018 (ICETC'18) at NPR Arts and Science college, Natham, Dindigul on 28th December, 2018.
- ❖ Presented the research paper entitled '*Assessment of thermal characteristics of solar collectors with variations in materials of absorbers*' on Advancement and Innovation in Material Research (CAIM-2018) at P.G&Research Department of Physics, Govt. Arts College, Madurai on 23rd October, 2018.
- ❖ Presented the paper entitled '*Experimental estimation of energy collection,*

extraction&utilization performance of flat plate collector hot water systems' National seminar on "Solar energy conversion with Nano particles" held at Amman college of Arts and science, Dindigul on February 9th2013.

- ❖ Presented the paper entitles '*Solar Hot Water systems*' National seminar on "Treasure Troves in physics" held at PVP College, Singarakottai, Dindigul on 22nd January 2013.
- ❖ Presented the paper entitles '*Solar cooking systems*' National conference on "Energy conservation and Renewable energy technology" held at VHNSN College, Virudhunagar during 26-27 August 2011.
- ❖ Presented the paper entitles '*Radiation and Environmental physics*' held at women's Christian college, Nagercoil, (SAPP-2010).

Books / Chapters Published

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Fund Received

Sponsored Agency	Title of the Project	Period	Cost of the Project
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Patent Applied / Published/Granted

CITATIONS	4
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H-INDEX	1
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RESEARCH GUIDANCE DETAILS

Sl. No	University	Supervisor ID / Reference
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PROFESSIONAL SOCIETY MEMBERSHIP DETAILS

Sl. No	Professional Society Name	Member ID
1	Asia Society of Researchers (ASR)	R2190993321

2	International association of engineers (IAENG)	283586
3.	International Association of Academic plus Corporate (IAAC)	FRTJQC-CE000441
4.	International school of photonics (ISP), Photonics society of India ,CUSAT	-----
5.	International Management Research and Technology Consortium-USA (IMRTC)	IndApp_RT_70750

FACULTY DEVELOPMENT PROGRAMME(FDP) ATTENDED / ORGANIZED

Sl. No.	Name of the FDP	Name and address of the venue	Year
1.	Research Methodology	Amarseva Mandal's Kamala Nehru Mahavidyalaya, Nagpur, Maharashtra	2022
2.	Methods of Material Synthesis	Bhavan's Vivekananda College of Science, Humanities and Commerce, Sainikpuri, Secunderabad	2022
3.	Astronomical Studies	Jamal Mohamed college, Tiruchirapalli	2022
4.	Inculcating Universal Human Values in Technical Education	All India Council for Technical Education, Vasant Kunj, New Delhi	2021
5.	Nano-materials & Nanomechanics and their application in devices and sensors	AICTE (ATAL), Indian Institute of Technology, Hyderabad	2021
6.	Synthesis, Characterization and Applications of Novel Materials	Ramco Institute of Technology, Rajapalayam	2021
7.	Research Methodology	Amarseva Mandal's Kamala Nehru Mahavidyalaya, Nagpur, Maharashtra	2021
8.	Emerging Trends in Science & Technology	Easwari Engineering College, Ramapuram, Chennai	2021
9.	Engineering Physics-PH8151	Centre for Faculty Development, Anna University, Chennai & Indira Ganesan College of Engineering, Manikandam, Tirichirapalli	2021
10.	Photonics	AICTE (ATAL), CV Raman Global University	2020
11.	Skill Development	Vel's Institute of Science & Technology, Pallavaram, Chennai	2020
12.	Outcome based Education	Swami vivekanand Subharti University, Meerut	2020
13.	Advanced Physics for Engineers	AICTE, Thanthai Periyar Government Institute of Technology, Vellore	2020

14.	Ensuring Universal Human Values through Education	Vardhaman College of Engineering, Hyderabad	2020
15.	Research Methodology	Jeppiaar Institute of Technology, Sriperumbudur, Chennai	2020
16.	Bridge course on Physics	Centre for Faculty Development, Anna University, Chennai	2015
17.	Bridge course on Physics	Centre for Faculty Development, Anna University, Chennai	2014
WORKSHOP ATTENDED / ORGANIZED			
Sl. No.	Name of the Workshop	Name and address of the venue	Year
1.	One week International Workshop on Application of Nanoscience in Multidisciplinary fields	Department of Chemistry & Division of Nanotechnology, Periyar Maniammai Institute of Science & Technology, Vallam, Thanjavur	2022
2.	One day online workshop on Application of Environmental Chemistry	Centre for Energy and Environment, Department of Chemistry, Department of Civil Engineering Periyar Maniammai Institute of Science & Technology, Vallam, Thanjavur	2022
3.	An International Online workshop on Materials Science and Computational Methods	PG and Research Department of Physics, Jamal Mohamed college, Tiruchirappalli (under DBT Star College Scheme)	2022
4.	AICTE sponsored Two day virtual workshop on Criteria wise self assessment report preparation	AICTE-MARGDARSHAN, MepcoSchlenk Engineering College (Autonomous), Sivakasi	2021
5.	One day National e-workshop on Online AQAR	Internal Quality Assurance Cell, Azad Mahavidyalaya, Ausa	2021
6.	Euro Nano Forum	Euro Nano Forum, Portugal	2021
7.	Workshop on Advanced Materials for Biomedical Applications	National Center for Nano science and Nanotechnology, University of Madras (Under MHRD-RUSA 2.0 Biomaterials)	2021
8.	Two Week Online workshop on Thinfilm and Nanomaterials	Department of Physics, Sathyabama Institute of Science and Technology, Chennai in Association with Tamilnadu State Council for Science and Technology (TNSCST)	2021
9.	Indo-Australia Workshop on Nano & Bio-materials: Synthesis & Applications	National Institute of Technology, Tiruchirappalli and University of Melbourne, Australia,	2021
10.	National Level workshop on Recent Trends and Opportunities in Physics	Department of Physics, School of Advanced Sciences, VIT-AP University, Andhra Pradesh	2021

11.	International e-Workshop on Science & Technology of Emerging Materials	Department of Science and Humanities, Chettinad College of Engineering & Technology, Karur	2021
12.	One day National Workshop on Functional Materials	Centre for Functional Materials, Vellore Institute of Technology, Vellore	2021
13.	An introductory workshop on Virtual Physics Lab	Department of Physics, The National Institute of Engineering, Mysuru	2020
14.	National workshop on societal responsibility for rural development: Role of Science Teachers	Department of Renewable Energy Science, Manonmaniam Sundaranar University, Tirunelveli	2020
15.	International workshop on Renewable Energy Materials	Department of Renewable Energy Science, Manonmaniam Sundaranar University, Tirunelveli	2017
16.	Workshop on English for Engineers	Thamirabharani Engineering College, Tirunelveli	2016
17.	One day National level workshop on Effective usage of web based information source and access	Library, Thamirabharani Engineering College, Tirunelveli	2014
18.	One day Tech ⁺ workshop for Higher secondary Physics Teachers	Department of ECE in association with Zealtech Electronic India Pvt. Ltd., Coimbatore, Thamirabharani Engineering College, Tirunelveli	2014
19.	NPTEL-Workshop	NPTEL-IIT, Madras & Rev. Jacob memorial Christian college, Ambilikai, Dindigul	2013
20.	Annual Photonics Workshop: Recent Trends in Photonics	International School of Photonics, CUSAT, Kochi	2012

STTP ATTENDED / ORGANIZED

Sl. No.	Name of the STTP	Name and address of the venue	Year
1.	International Short term training programme-2 on Impact and panacea of environmental pollution: the past, present and future	Raj Rishi Govt. Autonomous College, Alwar, Rajasthan	2022
2.	International Short term training programme-1 on Recent advances in Environmental toxicology and wildlife conservation	Raj Rishi Govt. Autonomous College, Alwar, Rajasthan	2022
3.	AICTE sponsored six days short term training program on Be the change Teaching Learning Process	HR & Faculty training academy, B.S.Abdur Rahman Crescent Institute of Science & Technology, Chennai	2022
4.	AICTE sponsored online Short term Training Programme on Emerging Trends in Nano Materials for Electronic and Optoelectronic devices	Department of ECE, Swarnandhra College of Engineering & Technology, Kakinada	2021

5.	AICTE sponsored six days Short term Training Programme on Finite Elemental Analysis using ANSYS	Department of Mechanical Engineering, BIT Campus, Anna University, Trichi	2020
6.	AICTE sponsored online Short term Training Programme on Nano Materials for Clean Energy and Environmental Applications-Phase-II	Dr.Mahalingam College of Engineering and Technology, Pollachi	2020
7.	AICTE sponsored one week online Short Term Training Program (STTP) on Recent Advances in Separation Processes	Department of Chemical Engineering ,Pondicherry Engineering College ,Puducherry	2020
8.	Short Term Training Programme through ICT Mode on Introduction of Accreditation Mechanism-NBA Approach	National Institute of Technical Teachers' Training and Research, Kolkata	2020

CONFERENCE ATTENDED / ORGANIZED

Sl. No.	Name of the Conference	Name and address of the venue	Year
1.	Virtual International Conference on "Emerging Photovoltaic Materials and Technologies"	ICEPV, Ankara, Turkey	2022
2.	National E-conference on "New Perspectives and Opportunities in Physics"	Vasant Rao Naik Arts, Commerce and Science College, Shahada	2021
3.	International E-conference on "Recent advances in Chemical, Physical and Biological sciences"	Department of Chemistry, Nabira Mahavidyalaya, Katol and ACT, TIFR, Mumbai	2021
4.	International E-Conference on "Renewable Energy and Resources"	United research forum, UK	2021
5.	National e-Conference on "Strengthening of Academics using E- Resources"	Department of Library and Information Science and College Library, Azad Mahavidyalaya, Ausa	2021
6.	Indo-Korea virtual conference on "Development of Advanced Materials for Future Technologies"	KAIST, Daejeon, South Korea & VIT, Chennai	2021
7.	National Web Conference on "Synthesis and Characterization of novel materials"	PG & Research Dept.of Physics, Muthurangam Govt. Arts College, Vellore	2020
8.	National Conference On "Energy Materials"	Department of Physics , Sundaranar Hall, Manonmaniam Sundaranar University	2018

SEMINAR ATTENDED / ORGANIZED

Sl. No.	Name of the Seminar	Name and address of the venue	Year
1.	National seminar on "Recent Advancements in Material Science"	Department of Physics, V.V.Vanniaperumal College for	2022

	Science” under DBT Star College Scheme	Women, Virudhunagar	
2.	IP Awareness/Training program under National Intellectual Property Awareness Mission	Intellectual Property Office, India	2022
3.	International Conclave on “Adoption of Green Construction Practices with Focus on Water Resource”	Indian Water Works Association Local Nagpur Centre, Nagpur	2022
4.	International Seminar on Multidisciplinary approach towards Science and Education	Raj Rishi Govt. Autonomous College, Alwar,Rajasthan	2022
5.	National Level Research Seminar on Green energy-2021	Department of Electrical and Electronics Engineering, Vimal Jyothi Engineering College , Kannur, kerala	2021
6.	National Seminar on “Materials-Synthesis and Characterization”	Department of Chemistry, FASH, Karpagam Academy of Higher Education, Coimbatore	2021
7.	UGC funded one day state level seminar on “Recent Trends in Materials Science”	Department of Physics, Sadakathullah Appa College, Palayamkottai, Tirunelveli	2015

WEBINAR ATTENDED / ORGANIZED

Sl. No.	Name of the Webinar	Name and address of the venue	Year
1.	International webinar on “Empowering diversity in Science”	Dept. of Chemistry, Kamala Nehru Mahavidhyalaya, Nagpur and Dept. of Chemistry, Kalasalingam Academy of Research and Education, Krishnankoil	2022
2.	Webinar on New Education policy (NEP) 2020:Multidisciplinary and Holistic Education	Dept. of Physics and Chemistry, PSNA college of Engineering & Technology, Dindigul	2021
3.	National Webinar On “Space Weather and its Impact On Earth”	Dept. of Physics and IQAC under the project of World Bank, Government College Timarni, Dist- Harda (M.P)	2021
4.	Webinar on “ Synthesis of Nanocomposite Materials and Recent Applications”	Dept. of Physics , JP College of Arts & Science Ayikudi, Tenkasi, Tamil Nadu	2021
5.	National level Webinar on “Emerging Materials for Solar Energy Conversion”	Dept. of Physics, Sethu Institute of Technology, Kariyapatti, Madurai	2021
6.	National webinar on “Functional Materials”	Society for promotion of Material Science, Nagpur & Jagat Arts, comm. & I.H.P Science college, Goregaon, Dist Gondia	2021
7.	National webinar entitled “Functional Material and Nanostructures”	Dept. of Physics, Islamiah College, Vaniyambadi	2021
8.	National Webinar On Recent Trends In Nanotechnology For Sustainable	Dept. Of Physics Govt. Post Graduate College Morena,	2021

	Developments	M.P	
9.	Webinar on “Recent Trends in Green Energy Harvesting Technology”	JP College of Arts and Science, Tenkasi	2021
10.	World Entrepreneurs Day 2021: Hindrance faced by Entrepreneurs	Dept. Of Physics, PSNA College of Engineering and Technology. Dindigul	2021
11.	State Level Webinar on "Fundamental Constituents of Matter"	Dept. Of Physics And The Iqac, Udala College Udala Mayurbhanj, Odisha	2021
12.	Webinar On “Packaging Strategies In Semiconducting Materials Based Devices”	Aaivaler Materials Society, Aaivalayam, Coimbatore	2021
13.	One day webinar on “Optical Biosensors and Its Industrial Applications”	Dept. of Physics, Rathinam College of Arts and Science, Coimbatore	2021
14.	Webinar on “Bearing Metals and Alloys”	Life changers academy	2021
15.	International webinar on “Innovations in Science and Technology”	Dept. of Chemistry & smt. Narasamma Arts, Commerce & science college, Amaravati	2021
16.	Webinar On “Nanomaterials For Energy & Environmental Applications”	Dept. of Physics, Ramco Institute of Technology, Rajapalayam	2021
17.	Webinar on An Introduction to Quantum Cryptology	Dept. of ECE association with Institution of Electronics and Telecommunication Engineers student forum (ISF), Loyola ICEM College of Engineering 7 Technology, Chennai	2020
18.	Five days International webinar Series on “NEC S&H WEBTALKS - 2K20”	Dept.of Science & Humanities, National Engineering College, Kovilpatti	2020
19.	Webinar on “Phytoremediation Technologies: An Overview”	PG Dept. of Chemistry, A.P.C. Mahalaxmi College for Women, Thoothukudi.	2020
20.	Webinar on A Journey towards Wave Mechanics	Dept. of Physics, B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai-600048, Tamil Nadu	2020
21.	Webinar on “Gender Based Violence”	PG Dept. of Chemistry, District Legal services Authority & National Service Scheme, A.P.C.Mahalaxmi College For Women, Thoothukudi	2020
22.	Three Day International Webinar on ‘Impact Of Physics In Healthcare’	Dept. of Physics, Maris Stella College, Vijayawada in collaboration with ‘Emtron Technologies’, Mumbai	2020

23.	Webinar on “Future of IT Industry past COVID 19”	Dept.of Commerce and Research Centre, Sourashtra College, Madurai	2020
24.	National webinar on “Introduction to MATLAB”	Dept. of Mathematics, Alagappa University, Karaikudi	2020
25.	National level webinar on “Sustainable Chemistry”	PG Dept. of Chemistry, Aditanar College of Arts and Science, Tiruchendur	2020
26.	Webinar Gateway to Success	Francis Xavier Engineering College, Vannarpettai, Tirunelveli	2020
27.	Webinar On “Laser Materials Processing For Engineering Applications”	Dept. of Physics, in association with Institution’s Innovation Council of Francis Xavier Engineering College, Vannarpettai, Tirunelveli	2020
28.	National Level Webinar on “Astronomy: Opportunities and Upcoming Projects”	Dept. of Physics, Vinayak Ganesh Vaze College of Arts, Science and Commerce, Mulund, Mumbai	2020
29.	Webinar On “Research Techniques on Difference Operators”	Dept. of Mathematics, Immaculate college for Women, Sankarapuram, Kallakurichi	2020
30.	Webinar on “Flipped Classrooms”	PG & Research Dept. of Chemistry, Bishop Heber College, Tiruchirapalli	2020
31.	Webinar on “An Insight Into NAAC - RAF”	Internal Quality Assurance Cell, V.O.Chidambaram College, Thoothukudi	2020
32.	Webinar on “Career opportunities for Physics Students after Graduation”	Dept. of Physics, Vivekananda College, Tiruvedakam west, Madurai, Tamil Nadu	2020
33.	Webinar on “Life Skills to Excel in Job Market”	Dept. of Science and Humanities, K. Ramakrishnan College of Technology, Samayapuram, Trichy	2020
34.	Webinar on Career Opportunities Post COVID’19	Dept. of Management Studies & IQAC, Karpaga Vinayaga College of Engineering and Technology, Chengalpattu	2020
35.	International webinar on Astronomy and Astrophysics	Dept. of Applied Physics, Karunya Institute of Technology and Sciences, Coimbatore	2020
36.	Webinar on History of Nuclear Fission	Department of Physics, V.O.Chidambaram College, Thoothukudi	2020
37.	Webinar on Career opportunities in Medicare Physics	Dept. Of Physics, Parvathy’s Arts & Science College, Dindigul	2020
38.	Webinar on “Fit-4-Future Next Gen Technologies”	IQAC, School of Computational Science, Shasun Jain College for Women, Chennai	2020
39.	International webinar on “Recent Trends in Physics and Mathematical Sciences”	Dept.of Physics & Mathematics, Rajkamalji Bharti Arts, Commerce and smt. Sushilabai R. bharti science college, Arni, Yavatmal	2020

40.	Online Webinar On “Education And Ethos”	PG & Research Dept. of Commerce (UAP),National College(Autonomous),Tiruchirapalli	2020
41.	Webinar Series Lecture	Dept. of Biotechnology, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu,	2020
42.	Webinar on 5G Technology and its Applications	Dept. of ECE, Sri Vasavi Institute of Engineering & Technology, Nandamuru, Krishna, AP	2020
43.	Webinar “Perspectives Of Learning”	Dept. of B.B.A. Aviation Management, G.T.N. Arts College (Autonomous), Dindigul	2020
44.	International webinar on “The Universe: Reaching through Radio Waves”	Dept. of Applied Physics, Karunya Institute of Technology and Sciences, Coimbatore	2020
45.	International Webinar On "Intelligent Control Systems"	Dept. of Electrical and Electronics Engineering, New Horizon College of Engineering, Bangalore,	2020
46.	International Webinar On "Advanced Materials for Functional and Sustainable Applications"	Dept. of Physics & ECE, S.M.Joshi College, Hadapsar, Pune	2020
47.	One day webinar on “Online Teaching Tools”	P.G.Dept. of Computer Science, Bishop Heber College, Trichy	2020
48.	One Day Webinar On "New Horizons In The Application Of Sensors During Pandemic Scenario"	Dept. Of ECE, KKR & KSR Institute Of Technology & Sciences,Vinjanampadu, Vatticherukuru Mandal,Guntur, A.P	2020
49.	National level webinar on “Impact of Covid-19 people and economy’	P.G. & Research Dept. of Economics, Pachaiyappa’s college for Men, Kanchipuram	2020
50.	National Webinar on “Reengineering of Libraries in COVID-19”	P.G. & Research Dept. of Library and Information Science Bishop Heber College (Autonomous) Tiruchirappalli	2020
51.	A One Day Webinar On “LMS - Canvas Instructure Tool”	E-Connect Mooc, Dharmamurthi Rao Bahadur Calavala Cunnan Chetty’s Hindu College, Pattabiram, Chennai	2020
52.	National Webinar titled “Risk Management in Times of Crisis”	Dept. of Commerce, St Joseph’s college(Autonomous) Irinjalakuda, and Finmark Trainers India Pvt Ltd	2020

CERTIFICATE PROGRAM ATTENDED			
Sl. No.	Name of the Course	Name and address of the venue	Year
1.	e-Learning Program on “VIRTUAL LAB PRACTICES”	Nodal Center Of Virtual Labs Buddha Institute Of Technology, Gorakhpur	2020
2.	Online Lecture series “Magnetism and Matter”	Indian Association of Physics Teachers & Delhi state Science Teachers	2020
3.	Online Course On “Remote Sensing Of Land Degradation”	Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun	2020
ADDITIONAL RESPONSIBILITIES			
Sl. No.	Responsibilities	Description	Year
1.	Science Club Coordinator	To encourage and motivate the creating a person who has ambitions to achieve something in TEC	2022 onwards
2.	Convener	Served as the convener in polytechnic project exhibition program (HITEC) in TEC	2015-2017
3.	Industrial visit Coordinator	Made arrangements for Industrial Visit for the TEC students to ISRO-Mahendragiri, Nuclear Power Plant-Kudankulam, Thermal Power Plant-Tutucorin, Wind Mill-Aralvaimozhi, All India Radio-Palayamkottai and Hydraulic Power Plant-Papanasam.	2015-2017
4.	School program coordinator	School program namely step to success-coordinator-handled the physics, chemistry, electronics and thermal lab workshop for higher secondary students in TEC	2014 onwards
AWARDS / ACHIEVEMENTS			
Sl. No.	Awards/ Achievements	Description	Year
1.	Online Tutor	To prepared physics relevant video lectures in YouTube Channel	2020 onwards
2.	Chief guest	To inaugurated the science exhibition and given notes about the importance of science exhibition in schools at KMP Vidhyalaya Matriculation school, Manur, Tirunelveli	2017

3.	Resource person	One day seminar on “Way to increase individual excellence” and present the topic “Secret of Success and skill techniques” in AKY Polytechnic College, Tirunelveli	2017
4.	Guest Lecturer	Taught physics for higher secondary students and Career Guidance more than 25 schools as a guest lecturer in Tirunelveli & Tutucorin districts.	2016
5.	PG : Department First Rank	Department first award in M.Sc.-Physics during the academic year 2009-2010 in St.John’s College, Palayamkottai	2010
5.	Best outgoing Student: PG	Best out going student in award during the academic year 2009-2010 in St.John’s College, Palayamkottai	2010