

FACULTY PROFILE

Dr.L.ARUNRAJA, M.Sc.,M.Phil.,Ph.D.,



ADDRESS FOR COMMUNICATION

Office	Residence
Assistant Professor, Department of Electronics and Communication, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode - 637 215. Namakkal Dist. Tamilnadu, India. Phone :+91 - 9047209897 E.Mail : l.arunraja@ksrcas.edu	L - 812, Muthampalayam Housing Unit-Phase-III, Kasipalayam, Erode - 638 009. Tamilnadu, India. Phone :+91 - 8248418186 E.Mail : dharun24@gmail.com

****Google Scholar:**

<https://scholar.google.com/citations?hl=en&pli=1&user=-h3yTIAAAAJ>

**** ORCID:**

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**** Researcher ID:** AAH-8801-2021

**** Scopus ID:** 55750726400

**** Institute Link:-** <https://ksrcas.irins.org/profile/204752> , <https://www.ksrcas.edu/upload/faculty/electronics.html>

EDUCATIONAL PROFILE

▪ **Ph.D., ELECTRONICS**

University : BHARATHIAR UNIVERSITY, COIMBATORE

Year : 2017

Percent : HIGHLY COMMENDED

▪ **M.Phil., ELECTRONICS**

University : BHARATHIDASAN UNIVERSITY, TRICHY

Year : 2008

Percent : 82.6% (DISTINCTION)

▪ **M.Sc., (APPLIED ELECTRONICS)**

Institution : SRI VASAVI ARTS AND SCIENCE COLLEGE, ERODE

University : BHARATHIAR UNIVERSITY, COIMBATORE
Year : 2004
Percent : 68.17%

▪ **B.Sc., (ELECTRONICS)**

Institution : SRI VASAVI ARTS AND SCIENCE COLLEGE, ERODE
University : BHARATHIAR UNIVERSITY, COIMBATORE
Year : 2002
Percent : 66.92%

TITLE OF THE Ph.D THESIS

- Characterization of CdS and ZnO Nanostructure Thin films For Oxygen Gas Sensor Applications.

TEACHING EXPERIENCE

- Working as an Assistant Professor in “Department of Electronics and Communication”, **K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode** from Oct 2008 to till date.
- Worked as a lecturer in “Department of Electronics and Communication”, **Selvamm College of Arts & Science, Namakkal** from June 2005 to Oct 2008.
- **19 years** of teaching experience in Electronics domain.

SOFTWARE PROFICIENCY

- **Languages** : C, EMBEDDED C, BASIC, ALP
- **Operating Systems** : Windows 98/2000/XP
- **Packages** : MS-OFFICE, Adobe PageMaker, CorelDraw
- **Software Tools** : RIDE C, Keil C Programming tools.

AREA OF INTEREST

- Digital Electronics
- Electronic Circuits
- Analog & Digital IC's and Applications
- Advanced Microprocessor & Interfacing
- Embedded System
- VLSI system design
- Computer Networks
- Materials science
- Nanomaterials and nanotechnology
- Thin films and its applications

AWARDS

- Teacher's Day Celebration – 2024: I received the **Best Teacher Award – Senior**, at K.S.Rangasamy College of Arts & Science (Autonomous), Tiruchengode on September 5, 2024.
- National Faculty Award 2023-2024: **Award of Excellence in Research 2023-2024** from Novel Research Academy, Puducherry, India (ISO 9001: 2015 Certified) A Division of New Swertia Publications) UDYAM REGD. NO: PY-03-0003542, Registered under the Ministry of MSME, Govt.of.India. Ref: NRA/AER/0113113/2023-2024 (18th November 2023).
- **Best Researcher Award** – 2018 from DK International Research Foundation (DKIRF AWARDS – 2018), Perambalur.

EDITOR BOARD MEMBER FOR THE FOLLOWING INTERNATIONAL JOURNAL

- Editor Board Member - Eurasian Journal of Research and Innovation (EJRI)
Editor Board Member webpage: <https://eurasianresearch.org/ejri/editor-board-ejri/>

REVIEWER TO INTERNATIONAL JOURNALS

1. Journal of Nanotechnology: Nanomedicine & Nanobiotechnology
2. SN Applied Sciences (SNAS) – Springer
3. The Hertz Journal of Engineering (Review Number: 20200720)

MEMBERSHIP IN PROFESSIONAL BODIES

- ❖ The AICTSD's National Membership (All India Council for Technical Skill Development) as of November 23, 2023 (My Member ID: AICTSD/PROFESSOR/01300)
- ❖ Journal of Emerging Technology and Innovative Research (JETIR): Member ID: 223435 (Member Since: 08-October-2023)

PROFESSIONAL TRAINING

1. Participated the Thirteen days Science Academies' Refresher Course on **"Nanotechnology and its Applications"** organized by K.S.Rangasamy College of Technology, Tiruchengode sponsored by Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi, The National Academy of Sciences, Allahabad and held during April 16th- 28th, 2018.

INVITED TALK AT OTHER INSTITUTIONS ON INVITATION

1. Delivered an INVITED TALK on the topic entitled **"Tuning Gas Sensing Properties in Chemically Synthesized Zinc Oxide-Doped Cadmium Sulfide Nano composites through Annealing Effects"** at 2nd International

Conference on Recent Trends in Materials Science & Devices 2023 (ICRTMD-2023) held in Online Mode from 29-31 December 2023 organized by Research Plateau Publishers in association with Sat Kabir Institute of Technology & Management, Bahadurgarh, Haryana, India.

2. Delivered a webinar cum Interactive session on theme **“Reboot Your Life – Life Lessons and Mind Management Mantras Amid COVID – 19”** organized by SPN GEMS Association Swami Premanand Mahavidyalaya, Mukerian, Distt. Hoshiarpur on 12.07.2020.
3. Delivered a **GUEST LECTURER** programme on the topic **“Emerging Trends in Electronics”** organized by the Department of Electronics, Sri Vasavi College (Self-Finance Wing), Erode on 10.08.2019.
4. Delivered an **INVITED TALK** on the topic **“Investigation and Characterization of ZnO/CdS nanocomposites using chemical precipitation method for gas sensing Applications”** in the Third International Conference on Nanomaterials: Synthesis, Characterization and Applications (ICN-2018) held at Mahatma Gandhi University, Kottayam, Kerala, India during 11th–13th May 2018.

BOOK CHAPTER

1. **L.Arunraja, L.Dhatchinamurthy, S.Karthikeyan**, “Recent Trends in Gesture Control Laptop Using Arduino and Python”, Edited Book on: **Recent Advances in Applied Science and Engineering, Writers Corner Publication, Tamilnadu, Pages: 138-148, 2024, [ISBN: 979-88794-593-64-Book Chapter]**.
2. **L.Arunraja, S.Karthikeyan, L.Dhatchinamurthy**, “A Comparison of similar devices and a survey of Graphene-based nanomaterials used in energy storage devices”, Edited Book on: **Confluence of Curiosity: Multidisciplinary Explorations in Modern Research, Volume - 2** (November – 2023, First Edition), Redshine Publication, Lunawada, India, Pages: 177-185, [ISBN: 978-93-5879-547-9-Book Chapter].
3. **L.Dhatchinamurthy, L.Arunraja, S.Karthikeyan** “Investigation of Photoluminescence and I-V study of INAS/GAAS based quantum Dot”, Edited Book on: **Fusion of Knowledge: Multidisciplinary Perspectives in Research, Volume - 4** (October – 2023, International Edition), Infinity Publication, Lunawada, Pages: 102-108, [ISBN: 978-93-92917-95-0-Book Chapter].

4. **S.Karthikeyan, L.Arunraja, L.Dhatchinamurthy**, "Study and Analyze of Energy Detector for Signal Detection in Noise", Edited Book on: **Fusion of Knowledge: Multidisciplinary Perspectives in Research, Volume - 4** (October - 2023, International Edition), Infinity Publication, Lunawada, Pages: 146-154, [ISBN: 978-93-92917-95-0-Book Chapter].
5. **L.Arunraja**, "Implementation of Prepaid System in Electricity Control Using Embedded Technique For Real Time Applications", in: C.B.Patel Arts College, Nadiad, Edited Book on: **Economic, Social, Psychological, Political, Educational and Literary Impact of Covid-19 & All Multidisciplinary Subjects for Research**, Red'Shine Publication (July - 2020) Pages: 352-355,[ISBN: 978-93-89840-55-1-Book Chapter].

PAPERS PUBLISHED IN INTERNATIONAL JOURNALS

1. S.Karthikeyan, K.Dhanakodi, S. Surendhiran, K.Vanasundari, **L.Arunraja**, A.T.Rajamanickam: Unveiling the photocatalytic property of $\text{La}_2\text{O}_3\text{-CuO}$ nanocomposites for organic pollutants in wastewater treatment, *Journal of the Indian Chemical Society*, Publications by Elsevier 100 (2023) 101104. (IF:3.2)
2. S.Karthikeyan, K.Dhanakodi, S. Surendhiran, K.S.G. Jagan, P. Thirunavukkarasu, **L.Arunraja**: Effect of synthesis parameters on the structural, morphological characteristics, and photocatalytic activity of La_2O_3 nanoparticles, *Journal of the Indian Chemical Society*, Publications by Elsevier 100 (2023) 100860. (IF:3.2)
3. S.Karthikeyan, K.Dhanakodi, S. Surendhiran, P. Thirunavukkarasu, **L.Arunraja** and P. Manojkumar: Structural, Morphological and Optical Properties of Pure and Yttrium (Y) doped Lanthanum oxide (La_2O_3) Nanoparticles by Sonochemical Method, *AIP Conference Proceedings*, 2385, 020004, <https://doi.org/10.1063/5.0070786>, (2022).
4. L.Dhatchinamurthy, P.Thirumoorthy, **L.Arunraja**, S.Karthikeyan: Synthesis and characterization of cadmium sulfide (CdS) thin film for solar cell applications grown by dip coating method, *Materials Today: Proceedings*, Publications by Elsevier, 26,3595-3599 (2020).(IF:0.9)

5. L.Dhatchinamurthy, P. Thirumoorthy, **L.Arunraja**, R. Subramanian: Effect of Annealing Temperature on the Structural and Optical Properties of CdS/PVA Nanostructure Thin Films Using Dip Coating Method, *Journal of Cluster Science*, Publications by Springer, 30 (3), 827-835 May (2019). (IF:2.7)
6. L.Dhatchinamurthy, P.Thirumoorthy, **L.Arunraja**, R.Subramanian: Preparation and comparative investigation of structural and optical properties of CdS nanoparticles in PVA using chemical precipitation technique: *Journal on Advanced Materials &Applications*,Publications by Madras Journal series Pvt.Ltd, 2(1), 7-15 (2019).
7. **L.Arunraja**, P. Thirumoorthy, R. Subramanian, L.Dhatchinamurthy, S.Karthikeyan: Structural and optical properties of EDTA capped CdS nanostructured thinfilms synthesized by sol-gel spin coating technique: *Journal on Advanced Materials &Applications*,Publications by Madras Journal series Pvt.Ltd, 2(1), 1-6 (2019).
8. L.Dhatchinamurthy, P.Thirumoorthy, **L.Arunraja**, R. Subramanian: Synthesis and Characterization of Optical and Structural Properties of CdS/PVA nanostructure thinfilms: *Journal for Advanced Research in Applied Sciences*,(UGC Approved Journal - Sl.No.63188), SS Publications, 5(1),126-135(2018). (IF:5.8)
9. S. Karthikeyan, R. Murugesan, **L.Arunraja**: An Embedded System for Human Emotion Classification system using smart sensors: *Journal for Advanced Research in Applied Sciences*,(UGC Approved Journal - Sl.No.63188), SS Publications, 5 (1), 206 - 211 (2018). (IF: 5.8)
10. **L.Arunraja**, P. Thirumoorthy, A. Karthik, R. Subramanian, V. Rajendran: Investigation and characterization of ZnO/CdS nanocomposites using chemical precipitation method for gas sensing applications: *Journal of Materials Science: Materials in Electronics*, Springer, 28 (23), 18113-18120(2017). (IF:2.8)
11. **L.Arunraja**, P.Thirumoorthy: Effect of Cadmium Sulfide and Zinc Oxide Nanoparticles for Oxygen Sensor Applications: *International Journal of Engineering Science Invention*, IJESI, (UGC Approved Journal - Sl.No.3711-Journal no: 43302), 53-58 (2017). (IF: 3.9)
12. **L.Arun Raja**, P. Thirumoorthy, A. Karthik, R. Subramanian, V. Rajendran:

- Effect of EDTA on cadmium sulfide thin films for oxygen gas sensor Applications: *Journal of Alloys and Compounds*, Elsevier, 706, 470 - 477 (2017). (IF: 5.8)
13. L.Dhatchinamurthy, P.Thirumoorthy, **L.Arun Raja**: Cadmium sulfide thin films with capping agent of EDTA for oxygen gas sensor applications: *Journal of Ceramic Processing Research*, Hanyang University Ceramic, 17 (11), 1148-1154 (2016). (IF: 1.4)
 14. **L.Arunraja**, P. Thirumoorthy, P. Gowthaman, L. Edwinpaul: Preparation and characterization of CdS nano particles using chemical precipitation method for solar cell applications: *Optoelectronics and Advanced Materials - Rapid Communications*, INOE Publishing House (Integra Natura Omnia et Aeterna), 10 (11-12), 831-835 (2016). (IF: 0.5)
 15. **L.Arunraja**, P. Thirumoorthy, A. Karthik, V. Rajendran, L. Edwinpaul: EDTA-Decorated Nanostructured ZnO/CdS Thin Films for Oxygen Gas Sensing Applications: *Journal of Electronic Materials*, Springer, 45 (8), 4100 - 4107 (2016). (IF: 2.2)
 16. **L.Arunraja**, P.Thirumoorthy, A.Karthik, G.Sriram, V.Rajendran, L.Edwinpaul: Structural and Electrical Properties of Cadmium Sulfide Nanoparticles: A Simple Chemical Route: *Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry*, Taylor & Francis, 46 (11), 1642 - 1646 (2016). (IF: 0.4)
 17. **L.Arunraja**, P.Thirumoorthy, P.Gowthaman, L.Dhatchinamurthy, V.Rajendran, A.Karthik: Effect of Annealing Temperature on Optical Properties of Cadmium Sulfide Thin films: *Journal of Nanoscience and Nanotechnology*, India Science Tech, Spring Edition 2 (6), 714-716 (2014).
 18. S.Pradeep, **L.Arunraja**, L.Dhatchinamurthy: Synthesis and Characterization of Poly M-Amino Benzene Sulfonic Acid For Sensor Applications: *Journal of Nanoscience and Nanotechnology*, India Science Tech, Spring Edition 2 (4), 390-393 (2014).
 19. **L.Arunraja**, P. Thirumoorthy, L. Dhatchinamurthy: Theoretical Survey on Cadmium Sulfide thin films for solar cell Applications: *Asian Journal of Chemistry (AJC)*, Asian Publication Corporation, 25, 270-272 (2013). (IF: 0.3)

PAPERS PRESENTED IN INTERNATIONAL CONFERENCE

- 1 One Day Multidisciplinary International E-conference on Current Scenario in Science and Technology, Environment, Agriculture, Health, Water Resources, Social Science, Literature & Industrial (CSCTEAHWRS LI 2024), Presented a paper entitled **“Fabricating and characterizing CdS thin films for use in flexible and wearable electronic devices”** organized by Shri Vitthal Rukmini Arts, Commerce and Science College, Sawana In collaboration with Global Foundation, India on 10th August’ 2024.
- 2 International conference on Artificial Intelligence for Energy and Environmental Science (AIEES-2024), Presented a paper entitled **“Sustainable steps: AI - Driven waste management and Resource Optimization in the Footwear Industry”** organized by the Department of Chemistry, Selvamm Arts and Science College (Autonomous), Namakkal held on 16th February’ 2024.
- 3 International virtual conference on Materials Science and Applications (ICMSA’24), Presented a paper entitled **“Cadmium Sulfide Nanoparticles: An Easy Chemical Pathway to their Structural and Electrical Properties”** organized by PG & Research Department of Physics, Seethalakshmi Ramaswami College, Tiruchirappalli, Tamilnadu during 1st - 2nd February’2024.
- 4 International conference on Recent Trends in Computing and Analytics - ICRTCA 2023 Paper Presented on **“Laser Communication using Arduino”** organized by the Department of Computer Science and Applications, St.Joseph College of Arts and Science for women, Salem on 12th October 2023.
- 5 International conference on Smart Electronics Computing and Nano Technology (ICSECNT - 2022) Paper Presented on **“Capping agent and Annealing on CdS/EDTA Nanostructure thin films prepared by sol gel spin coating technique for gas sensing properties”** jointly organized by Department of Electronics and Communication, Selvamm Research Association (SRA) and Selvamm Institutions innovation Council (SIIC) held on 28th March, 2022.
- 6 International conference on Recent Applications in Advanced Materials (IC-RAAM-2019) Paper Presented on **“ZnO/CdS Nanocomposites under optimized annealing effect prepared with chemical precipitation**

technique”organized by Department of Physics & Chemistry, Sir C.V.Raman Association, E.R.K. Arts & Science College, Indian Science & Technology Association & Elavenil organization organization held on 11th& 12th, July, 2019.

- 7 Presented in the UGC (India) & SIU (Norway) sponsored International conference on Advances in Functional Materials (ICAFM-2017) during 6th-8th, January 2017 in Anna University and delivered the oral presentation entitled **“Effect of EDTA on Cadmium Sulfide Thin films for Oxygen gas sensor Applications”**.
- 8 International conference on Nano Materials and Nanotechnology (Nano-2015) Paper Presented on **“Zinc Doped Cadmium Sulfide Nanoparticles For Gas Sensing Measurement”** held at K.S.Rangasamy College of Technology, Tiruchengode during 7th - 10th, December, 2015.
- 9 International conference on Recent Advances in Nano Science and Technology (RAINSAT-2015) Paper Presented on **“Structural, Morphological and Optical characterization of ZnO/CdS nanoparticles”** is organized by Sathyabama University, Chennai in association with Central Leather Research Institute, Council of Scientific & Industrial Research, Chennai during July 8th to 10th, 2015.
- 10 International conference on Sustainable Energy Technologies (ICSET 2014) Paper Presented on **“Effects of complexing Agent on Cadmium Sulfide Nanoparticles prepared by sol-gel Technique for Sensor Applications”** is organized by PSGCT, India, Coimbatore, during 11th-13th, December 2014.
- 11 International conference on Nano Electronic science & Technology (ICNEST 2014) Paper Presented on **“Effect of Annealing Temperature on Optical Properties of Cadmium Sulfide Thin films”** is organized by Post Graduate & Research Department of Electronics, Sri Vasavi College (Self Finance wing), Erode on 14th and 15th February 2014.
- 12 Presented a paper entitled **“Theoretical Survey on Cadmium sulfide thin films for Solar cell Applications”** in International Conference on Nanoscience & Nanotechnology (ICONN 2013) held at SRM University during 18th - 20th March 2013 in Association with Research Institute of Electronics, Shizuoka University, Japan, Institute of Geological and

Nuclear Sciences, New Zealand & Asian Nanoscience and Nanotechnology Association, Japan, Co-sponsored by science & Engineering Research Board (SERB) India & Defense Research & Development Organisation (DRDO) India.

- 13 International seminar on Emerging Trends In Life Science (AURORA-2KX1) Paper Presented on **“Preparation of Nanocrystalline CdS thinfilms by a new chemical bath deposition route”** of Navarasam Arts and Science college for women, Arachalur, Erode dist held on 18th, August 2011.
- 14 International conference on Nano materials and Nanotechnology (Nano-2010) Paper Presented on **“Characterization of Sol-Gel deposited Alumina films”** is organized by Centre for Nano science and Technology (CNST) of K.S.Rangasamy college of Technology, Tiruchengode held on 13th-16th, December, 2010.
- 15 International conference on System on Chip, Paper Presented on **“CSMA/CA- Based Wireless sensor networks for industrial Applications”** conducted by S.N.R. Sons College (Autonomous) Coimbatore held on 13th March 2010.
- 16 International conference on System on Chip, Paper Presented on **“Ultrasonic meter for flow Measurements in Wireless Communication”** conducted by S.N.R. Sons College (Autonomous) Coimbatore held on 13th March 2010.
- 17 International conference on System on Chip, Paper present on **“Sensor Networks for Habitat Monitoring”** conducted by S.N.R. Sons college (Autonomous), Coimbatore, held on 13th March 2010.

PAPERS PRESENTED IN NATIONAL CONFERENCE

1. Presented a paper titled **“Gesture Control Laptop with using Arduino and Phyton”** in the National conference on Advanced Developments in Science and Technology organized by the Department of Physics & Chemistry, Siri PSG Arts and Science College for Women, Sankari, Salem Dt held on 10th January 2020.
2. Presented a paper titled **“Gas sensing properties of Zinc oxide doped Cadmium Sulphide Nanocomposite under optimized annealing effect**

prepared by chemical method” in the National conference on Recent Trends in Electronics (NCRTE - 2019) organized by the Department of Electronics & Communication, Selvamm Arts and Science College (Autonomous), Namakkal held on 20th February 2019.

3. Presented a paper titled **“A new route for preparing ZnO/CdS nanocomposites using chemical method for gas sensing Applications”** in the National conference on Emerging Trends in Material Science (NCETMS - 2018) organized by the Department of Physics, Chemistry and Electronics, Erode Arts and Science College (Autonomous), Erode on 7th February 2018.
4. Presented in the TNSCST Sponsored Sixth National conference on Intelligent Computing (SNCIC-2017) paper titled **“An Understanding in Gas sensing Properties of Nano Materials and Electronic Nano Computing”** in Association with ICT Academy held at K.S. Rangasamy College of Arts and Science (Autonomous), Tiruchengode-637 215 on 15th and 16th September 2017.
5. Presented a paper titled **“Emerging Trends of Nano computing and Nanotechnology”** in the Fifth National conference on Intelligent Computing (FNCIC-2016) organized by the Department of Computer Science and applications in association with ICTACT, K.S. Rangasamy College of Arts and Science (Autonomous), Tiruchengode-637 215 on 16th and 17th September 2016.
6. Presented a paper titled **“Future Trends in Nano computing”** in the Fourth National conference on Intelligent Computing (FNCIC-2015) organized by the Department of Computer Science, K.S. Rangasamy College of Arts and Science (Autonomous), Tiruchengode-637 215 on 3rd and 4th September 2015.
7. Presented a paper titled **“Cloud computing for future Generation”** in the Fourth National conference on Intelligent Computing (FNCIC-2015) organized by the Department of Computer Science, K.S. Rangasamy College of Arts and Science (Autonomous), Tiruchengode-637 215 on 3rd and 4th September 2015.
8. Presented a paper titled **“Synthesis and Characterization of CdS thin Films: Optical Properties”** in the National conference on Advanced Materials (NCAM-2014) organized by the Department of Physics & Department of

Electronics, St. Joseph's College, Tiruchirappalli-620 002, on 24th February 2014.

9. Presented a paper titled **“New Investigation of Grain size change on Cadmium Sulfide thin film synthesized by Chemical Bath Deposition”** in the National conference on Recent Trends in Electronics and Instrumentation organized by the Department of Electronics and Instrumentation, Bharathiar University, Coimbatore-641046 during September 20th& 21st 2013.
10. National seminar on Communication Networks And Computing Paper Presented on **“File Sharing Performance of Peer to Peer Network”** organized by the Department of Electronics, Karpagam University, Coimbatore on 8th February 2013.
11. Presented a Paper in National Level competitions on **(ELECTRONICS EVERYWHERE (ELECTRO BLIZZ-2011))** on conducted by KSG College of Arts and Science, Coimbatore on August 10th& 11th, 2011.
12. Presented a paper titled **“Security in Wireless Sensor Networks”** in the National level symposium on Next Generation wireless Communication and Signal Processing organized by the Department of Electronics, Karpagam University, on 5th & 6th March, 2010.
13. Presented a paper titled **“Wireless Security Enhancement Technique: WAP and i-modes for E-Commerce”** in the Fourth National conference on Signals, Systems And Security organized by the Department of Electronics and Communication Engineering, Bannari Amman Institute of Technology, Sathyamangalam, during 26th - 27th, February 2010.
14. Presented a Paper in National Conference on **“Recent Advances in Spectroscopy & Electronics”** organized by the Department of Physical Sciences & Electronics and Communication, Muthayammal college of Arts & Science, Rasipuram on the February 5th& 6th, 2010.

PAPERS PUBLISHED IN INTERNATIONAL CONFERENCE

(PROCEEDINGS / ABSTRACT)

1. **Proceedings: "Cadmium Sulfide Nanoparticles: An Easy Chemical Pathway to their Structural and Electrical Properties"**: 2nd International Virtual Conference on Materials Science and Applications (ICMSA'24) Page No: 260 (March, 2024), Published by PG & Research Department of Physics, Seethalakshmi Ramaswami College (Autonomous) Tiruchirapalli - 620 002, Tamilnadu, India [ISBN: 9788119671403].
2. **Abstract: "Optimizing Structural, Optical and Dielectric Properties of Lanthanum Oxide Nanoparticles: Impact of Controlled Temperature by Hydrothermal Method"**: 2nd International Virtual Conference on Materials Science and Applications (ICMSA'24) Page No: 280 (March, 2024), Published by PG & Research Department of Physics, Seethalakshmi Ramaswami College (Autonomous) Tiruchirapalli - 620 002, Tamilnadu, India [ISBN: 9788119671403].
3. **Abstract: "Effect of Annealing Temperature on the Structural and Optical Properties of CdS/PVA, Ag doped Nanostructure Thin films for Solar Cell Window Layer Application"**: 2nd International Virtual Conference on Materials Science and Applications (ICMSA'24) Page No: 301 (March, 2024), Published by PG & Research Department of Physics, Seethalakshmi Ramaswami College (Autonomous) Tiruchirapalli - 620 002, Tamilnadu, India [ISBN: 9788119671403].
4. **Abstract: "Sustainable Steps: AI-Driven Waste Management And Resource Optimization In The Footwear Industry"**: International conference on Artificial Intelligence for Energy and Environmental Science (AIEES-2024) Page No: 10 (16th February' 2024), Published by V.Ponnusamy Educational And Charitable Trust (Publication Division) Gandhi Nagar, Namakkal [ISBN: 978-93-95143-837].
5. **Abstract: "Artificial Intelligence-Based Battery Monitoring System for Electric Vehicles"**: International conference on Artificial Intelligence for Energy and Environmental Science (AIEES-2024) Page No: 5 (16th February' 2024), Published by V.Ponnusamy Educational And Charitable Trust (Publication Division) Gandhi Nagar, Namakkal [ISBN: 978-93-95143-837].

6. **Abstract: "Empowering the Grid: Smart Electricity Meter Data Intelligence for Next-Generation Energy Systems":** International conference on Artificial Intelligence for Energy and Environmental Science (AIEES-2024) Page No: 14 (16th February' 2024), Published by V.Ponnusamy Educational And Charitable Trust (Publication Division) Gandhi Nagar, Namakkal [ISBN: 978-93-95143-837].
7. **Abstract: "AI-Powered Health Monitoring System for Early Anomaly Detection and Personalized Insights":** International conference on Artificial Intelligence for Energy and Environmental Science (AIEES-2024) Page No: 19 (16th February' 2024), Published by V.Ponnusamy Educational And Charitable Trust (Publication Division) Gandhi Nagar, Namakkal [ISBN: 978-93-95143-837].
8. **Proceedings: "Automatic Shock Prevention System":** International Conference on Applied Physics and Electronics for Future Technology (ICAFT-2023) Page No: 6 (11th March 2023), Published by Coimbatore Institute of Information Technology, Coimbatore [ISBN: 978-93-91347-54-3].
9. **Abstract: "Effect of EDTA on Cadmium Sulfide Thin films for Oxygen gas sensor Applications":** International Conference on Advances in Functional Materials (ICAFM-2017) Page No: 291, Published by VizhiChudarPathippagam, Karaikkal [ISBN: 978-93-80366-34-0].
10. **Proceedings : "Zinc Doped Cadmium Sulfide Nanoparticles For Gas Sensing Measurement":** International Conference on Nano Materials and Nanotechnology (Nano-2015), V. Rajendran, K. Thyagarajah and K.E. Geckeler (eds.) Nanoelectronics and Sensors, Page No: 257-260 (2015) Published by Bloomsbury Publishing India Pvt. Ltd, New Delhi [ISBN: 978-93-85436-94-9].
11. **Abstract: "Characterization of Sol-Gel deposited Alumina films":** International Conference on "Nano materials and Nanotechnology (Nano-2010)" (ICONN), December 13th - 16th (2010), (Souvenir) Macmillan Publishers, Page No: 78, [ISBN 023-033-206-4].

PAPERS PRESENTED IN NATIONAL / STATE LEVEL SEMINAR

1. Presented a paper titled "New Age Wireless Mobility For Controlling Car With Arduino" in the One day National seminar on "Evolution of Electric

Vehicle With Artificial Intelligence - 2024 (EEVAI-24)" held at Department of Electronics, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore on 1st March 2024.

2. Presented a Paper in the One day state level conference on **"Emerging Trends in Nano Electronics"** on conducted by Selvamm Arts & Science College, Namakkal on October 22nd, 2013.
3. Presented a Paper in the state level seminar on **"Recent Developments in Micro Controller and Embedded Systems"** on conducted by KSG College of Arts and Science, Coimbatore on September 15th& 16th ,2010.

DETAILS OF VARIOUS FACULTY DEVELOPMENT PROGRAM /TRANING PROGRAM ATTENDED

S.No	Title of the Programme	Period		Organization
		From	To	
1.	Faculty Development Program on "Smart Technologies for Social Impact"	09.09.2024	13.09.2024	Department of Electronics, Physics and Social work, Hindusthan College of Arts & Science, Coimbatore.
2.	National Level One-week Faculty Development Program on "Research Methodology"	22.07.2024	27.07.2024	Internal Quality Assurance Cell (IQAC), Kamla Nehru Mahavidyalaya, Nagpur.
3.	Five Days Faculty Development Program on "Recent Trends of Advanced Functional Materials"	25.03.2024	28.03.2024 and 01.04.2024	Department of Physics, Velammal College of Engineering & Technology (Autonomous), Madurai - 625009.
4.	Five Days Online Faculty Development Program on "Research and Development Process, Proposal Drafting and Funding Opportunities"	11.12.2023	15.12.2023	Indian Academic Researchers Association & Department of Management Studies (PG), K.S. Rangasamy College of Arts and Science (Autonomous), Tiruchengode.
5.	One Week International Faculty Development Program on "Emerging Trends in Information	04.12.2023	11.12.2023	Internal Quality Assurance Cell (IQAC) and School of Computational Science, Shri Shankarlal Sundarbai

	Technology”			Shasun Jain College for Women, Chennai.
6.	One Day Online Faculty Development Program on “Open Educational Resources (OER)”	02.12.2023	-	Durgapur Women’s College, Durgapur, West Bengal.
7.	Virtual Faculty Development Program on “Recent Advances in Chemical Sciences”	27.11.2023	01.12.2023	Department of Chemistry, K.S.R College of Arts and Science for women, Tiruchengode.
8.	National Level Online Faculty Development Program on “Deep Learning Case Studies: Exploring Cutting-Edge Applications”	25.10.2023	31.10.2023	Department of Computer Science, CHRIST (Deemed to be University) (Yeshwanthpur Campus), Karnataka in association with Tata Consultancy Services (TCS).
9.	One Week National Level FDP on Cloud Infrastructure (AWS)	21.08.2023	25.08.2023	Brainovision Solutions India Pvt Ltd and All India Council for Technical Education (AICTE) at KG College of Arts and Science, Coimbatore.
10.	Five days FDP on” Role of Electronics in day to day life”	07.08.2023	11.08.2023	Department of Electronics & Communication, Selvamm Arts and Science College (Autonomous), Namakkal.
11.	Two days FDP in “Emerging Trends in Manufacturing Engineering”	04.08.2023	05.08.2023	Department of Automobile Engineering, Sri Ranganathar Institute of Polytechnic College, Coimbatore.
12.	Five days FDP on “Recent Trends in Research for Future Technology and Sustainability”	22.05.2023	26.05.2023	Department of Physics & Electronics and Communication, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode.
13.	One Week Virtual FDP on “Emerging Research Trends In Block Chain & Data Science”	08.05.2023	12.05.2023	Department of Computer Science and Engineering, Dr.M.G.R. Educational and Research Institute, Maduravoyal, Chennai-

				600095.
14.	Five days FDP on "Cyber Security"	17.04.2023	21.04.2023	ICT Academy at K.S.Rangasamy College of Technology (Autonomous), Tiruchengode.
15.	Two days FDP in "Advanced Manufacturing Process"	17.03.2023	18.03.2023	Department of Automobile Engineering, Sri Ranganathar Institute of Polytechnic College, Coimbatore.
16.	Two days State level FDP on "Importance of Technical Science"	02.02.2023	03.02.2023	Department of Automobile Engineering, Sri Ranganathar Institute of Polytechnic College, Coimbatore.
17.	TEQIP-III Sponsored FDP on "Machine Learning and Smart Electronic System (MLSES-2020)"	03.09.2K20	05.09.2K20	Rajasthan Technical University, Kota & Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur.
18.	One day FDP on "Online Pedagogy"	31.08.2K20	-	Department of Mechanical Engineering, Sri Ranganathar Institute of Polytechnic College, Coimbatore.
19.	Online FDP in "Usage of Online Utils"	31.08.2K20	-	Department of Computer Engineering of Sri Ranganathar Institute of Polytechnic College, Coimbatore.
20.	TEQIP-III Sponsored FDP On "Recent Trends in Material Science and Engineering (RTMSE-2020)"	20.08.2K20	21.08.2K20	Rajasthan Technical University, Kota Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur.
21.	Three day National Level FDP on "Electronic Resources for Teaching, Learning and Research"	30.07.2K20	01.08.2K20	B.V.V.Sangha's Shri S.R.Kanthi Arts, Commerce and Science College, Mudhol.

22.	AICTE sponsored six days virtual short-term training program (STTP) on "Energy Storage Characteristics, Surface Treatment, Durability Sustainability and Micro Structural Evaluation of Smart and Phase Change Materials and its Applications"	27.7.2K20	01.08.2K20	Department of Mechanical Engineering, Sri Sai Ram Institute of Technology, Chennai.
23.	A Six-Day Online FDP on "Micro Controller And Analog and Digital Electronics"	20.07.2K20	25.07.2K20	Department of Computer Science and Engineering, CMR Institute of Technology, Bengaluru.
24.	Online FDP on "Online Teaching and Learning Tools"	22.07.2K20	24.07.2K20	Department of Master of Computer Applications, Dr, Ambedkar Institute of Technology, Bengaluru.
25.	Online Hands on Training Programme on "Remote Sensing and GIS Data Analysis"	20.07.2K20	24.07.2K20	DBT star College Scheme organized by the Post Graduate and Research Department of Physics, Jamal Mohamed College (Autonomous), Trichy.
26.	FDP on "Ansys of Electronics & Communication"	18.07.2K20	22.07.2K20	Department of Electronics and Communication Engineering, Indur Institute of Engineering & Technology, Siddipet, Telangana, India.
27.	UGC (Paramarsh) online FDP on "ICT in Teaching & Evaluation"	13.07.2K20	18.07.2K20	MSP Mandal's Shri Shivaji College, Parbhani (Maharashtra).
28.	Six days AICTE sponsored Short Term Training Programme (STTP) "SMART MANUFACTURING - OPPORTUNITIES & CHALLENGES"	13.07.2K20	18.07.2K20	Department of Mechanical Engineering, St. Joseph's College of Engineering, Chennai.
29.	FDP on "Recent	13.07.2K20	18.07.2K20	GMR Institute of

	Advances in Biomedical Applications and Communication Networks"			Technology, Rajam, AP, India.
30.	FDP on "Evolution of IoT and its Real time Applications"	13.07.2K20	17.07.2K20	Malla Reddy Institute of Technology and Science.
31.	FDP on "Nanomaterial Synthesis, Process, Characterization and its Functional Applications"	06.07.2K20	11.07.2K20	Department of Automobile Engineering, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution), Coimbatore.
32.	FDP on "Google Classroom and Google Application"	10.07.2K20	-	Tiruppur Kumaran College for Women, Tirupur.
33.	FDP on "Nanoscience and Technology (Energy, Environment and Healthcare)	29.06.2K20	07.07.2K20	Sathyabama Institute of Science and Technology in Association with Indian Institute of Information Technology Design and Manufacturing (IIITDM Kancheepuram)
34.	National Level FDP on "Recent Trends in Computer Science"	28.06.2K20	02.07.2K20 (Five Days)	Department of Computer Science and Master of Computer Applications at Sreenivasa Institute of Technology and Management Studies (SITAMS).
35.	International Faculty Empowerment Program on "Challenges and Opportunities in Futuristic Learning and Developments Sectors"	01.07.2K20	-	Department of English-Shift II, Guru Nanak College (Autonomous), Chennai.
36.	FDP on "Clean and Sustainable Energy"	25.06.2K20	28.06.2K20 (Four Days)	Yogananda College of Engineering & Technology, Jammu & Kashmir in Collaboration with Institutions Innovation Council (IIC).
37.	FDP on International	28.06.2K20	-	The Department of

	webinar on "Introduction to E-learning and its challenges"			Corporate Secretaryship (Shift-II), Patrician College of Arts & Science, Adyar, Chennai-20
38.	FDP on "Recent Developments in Communication, Networking & Research Opportunities"	23.06.2K20	27.06.2K20 (Five Days)	Sreenivasa Institute of Technology and Management Studies (Autonomous), Chittoor, Andhra Pradesh.
39.	FDP on "Disruptive Technologies in Electronics & Communications"	22.06.2K20	27.06.2K20 (Six Days)	Department of Electronics and Communication Engineering, Vidya Jyothi Institute of Technology (Autonomous) in collaboration with IETE Student Chapter.
40.	International FDP on "E-governance Culture: Transformation in Higher Education Stakeholders UX"	26.06.2K20	-	Principals of Colleges of Bharathiar University and Hindusthan College of Arts and Science, Coimbatore.
41.	FDP on "Role of Online Teaching Pedagogy and ICT tools in Outcome Based Education"	25.06.2K20	-	KKR & KSR Institute of Technology & Sciences Powered by vmedulife software services, Pune.
42.	FDP on "Opportunities and Challenges in Next-Generation Semiconductor Devices"	16.06.2K20	20.06.2K20 (Five Days)	Anil Neerukonda Institute of Technology and Sciences, Visakapatnam.
43.	FDP on "Recent Trends in Information and Communication Systems (RTICS 2020)"	16.06.2K20	20.06.2K20 (Five Days)	Karpagam College of Engineering, Coimbatore & IEEE Electron Devices Society.
44.	FDP on "Emerging Technologies in Electronics and Communication Engineering & Computing"	04.06.2K20	06.06.2K20 (Three Days)	Vel Tech High Tech Dr.RangarajanDr.Sakunthala Engineering College.
45.	FDP on "Advances in Internet of Things"	29.05.2K20	02.06.2K20 (One Week)	Fr. Conceicao Rodrigues College Of Engineering, Bandra.

46.	FDP webinar on "Recent Trends in Automotive Technologies"	25.05.2K20	-	PSG College of Arts & Science, Coimbatore.
47.	Hands on FDP: Data Science using Python	18.05.2K20	22.05.2K20 (Five Days)	Jeppiaar Institute of Technology, Sriperumbudur & IEEE.
48.	FDP on "Free and Open Access Resources for Teaching, Learning and Research"	20.05.2K20	-	Sri Adi Chunchanagiri Women's College, Cumbum.
49.	FDP on "Patent To All"	17.05.2K20	-	ResearchBrains Academic Research Lab.
50.	FDP on "Research Opportunities in Electrical Engineering"	07.05.2K20	16.05.2K20 (Two Weeks)	Government College Of Engineering, Karad & Technical Education Quality Improvement Program (TEQIP-III).
51.	FDP on "Cyber Security"	15.05.2K20	16.05.2K20 (Two Days)	Swarnandhra College of Engineering & Technology & Indian Servers.
52.	National FDP on "How to Bring Lasting Changes in Students"	15.05.2K20	-	Sri Sarada College for Women (Autonomous), Salem.
53.	Faculty Awareness Program on "NAAC Accreditation"	10.05.2K20	15.05.2K20 (Six Days)	RD's Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune.
54.	National Level FDP on "2.0"	13.05.2K20	14.05.2K20 (Two Days)	North Storm Academy
55.	FDP on "Arduino"	04.05.2K20	10.05.2K20 (One Week)	Dr.N.G.P. Arts & Science College, Coimbatore. & Spoken Tutorial, IIT Bombay, National Mission on Education through ICT MHRD, Govt.of.India.
56.	FDP on "R Programming"	04.05.2K20	08.05.2K20 (Five Days)	Sathyabama Institute of Science and Technology, Chennai & IIT Bombay Spoken Tutorial and PMMMNMTT).
57.	FDP on "Internet of Things (IoT)"	05.05.2K20	07.05.2K20 (Three Days)	St. Martin's Engineering College, Secunderabad & Computer Society of India,

				Hyderabad.
58.	National Level FDP on "On line College Management & Online content creation tools"	30.04.2K20	02.05.2K20 (Three Days)	Lala Lajpat Rai College of Commerce & Economics and University of Mumbai & North Storm Academy.
59.	National level Hands on Training on "Smart Home and Industrial Automation using IoT with Arduino"	14.02.2019	-	K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode.
60.	FDP on "Electron Transport Phenomena in Nanomaterials"	21.11.2015	-	K.S.Rangasamy College of Arts & Science (Autonomous), Tiruchengode.
61.	FDP on "SPSS"	19.11.2015	20.11.2015 (Two Days)	Ramanujan Forum, Department of Mathematics, K.S.Rangasamy College of Arts & Science (Autonomous), Tiruchengode.
62.	National Level Staff Development Program "Role of Faculty in Shaping the Best Technocrats"	11.11.2009	12.11.2009 (Two Days)	Avinashilingam University For Women Coimbatore.

ON LINE COURSE DETAILS

1. Completed the Online Short - Term Course on "**Basics of IoT**" organized by IQAC (Internal Quality Assurance Cell), Mahalashmi Women's College of Arts & Science during 18-21 May 2K20.
2. Completed the Online Short - Term Course on "**The Basics of Immunotherapy**" organized by IQAC (Internal Quality Assurance Cell), Mahalashmi Women's College of Arts & Science during 18-21 May 2K20.
3. Completed the Online Short - Term Course on "**Interpersonal Effectiveness**" organized by IQAC (Internal Quality Assurance Cell), Mahalashmi Women's College of Arts & Science during 18-21 May 2K20.

4. Completed online course on **“Verbal Proficiency”** hosted by the Department of English, Sri Krishna Adithya College of Arts & Science, Coimbatore on 6.5.2K20.
5. Completed two weeks free online course on **“Basics of MATLAB”** organized by Ramanujan Forum, Department of Mathematics, K.S.Rangasamy College of Arts & Science (Autonomous), Tiruchengode from 22nd April – 5th May, 2K20.
6. Completed three days online course on **“Learning English Language”** organized by Department of English from 28.04.2K20 to 30.04.2K20 in Sri Kailash Women’s College, Salem.
7. Completed three days online course on **“Effective Public Speaking”** organized by Department of Business Administration from 24.04.2K20 to 26.04.2K20 in AVS College of Arts & Science, Salem.
8. Completed **“Python 3.4.3”** test organized at Shri Sakthi Kailassh Women’s College by Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt.of.India on 23.04.2K20.
9. Completed two days online course on **“Household Electrical Devices & Appliances”** organized by Department of Physics from 20.04.2K20 to 21.04.2K20 in AVS College of Arts & Science, Salem.
10. Completed two days online course on **“Aptitude & Logical Reasoning”** organized by Department of Mathematics from 17.04.2K20 to 18.04.2K20 in AVS College of Arts & Science, Salem.
11. Completed two days online course on **“Medical Laboratory Techniques”** organized by Department of Microbiology & Biotechnology from 16.04.2K20 to 17.04.2K20 in AVS College of Arts & Science, Salem.
12. Completed five days online course on **“Communication skills for Professionals”** organized by Department of English from 13.04.2K20 to 17.04.2K20 in AVS College of Arts & Science, Salem.
13. Completed **“R-Programming”** organized at Sathyabama Institute of Science and Technology by Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt.of.India on 08.03.2K20.

CONFERENCE/WORKSHOP/SEMINAR/WEBINAR ATTENDED

1. Participated in the one day International Virtual Workshop on “**From Idea to Impact: Navigating Digital Content Creation**” convened by Acumen Foundation and Seva Academy on 20.3.24.
2. Participated in One day National Workshop on “**Research Methodology**” organized by Department of Commerce & Management, Shri Muktanand College Gangapur, Dist. Chhatrapati Sambhajanagar (M.S), 431109 on 11.3.24.
3. Participated in one day Workshop on “**Trends in Educational Research**” organized by Research and Development Cell & IQAC, K.S.R. College of Education, Tiruchengode on 30.1.24.
4. Participated in 5th International Conference on “**Soft Computing and its Engineering Applications (icSoftComp 2023)**” held at Smt.Chandaben Mohanbhai Patel Institute of Computer Applications, Charotar University of Science and Technology (CHARUSAT), changa, India during December 07.12.2023 to 09.12.2023.
5. Participated in the two days webinar in “**Artificial Intelligence**” conducted by NoviTech R & D Private Limited on 03.11.2023 & 04.11.2023.
6. Participated in the Workshop in “**Augmented Reality and Virtual Reality**” conducted by NoviTech R & D Private Limited on 12.10.2023.
7. Participated in the Workshop in “**Data Science**” conducted by NoviTech R & D Private Limited on 30.09.2023.
8. Participated in the Workshop in “**Internet of Things**” conducted by NoviTech R & D Private Limited on 29.09.2023.
9. Participated in the Workshop in “**Full Stack Development**” conducted by NoviTech R & D Private Limited on 28.09.2023.
10. Participated in the Workshop in “**Cybersecurity**” conducted by NoviTech R & D Private Limited on 27.09.2023.

11. Participated in the Workshop in **“Blockchain”** conducted by NoviTech R & D Private Limited on 26.09.2023.
12. Participated in the Workshop in **“Artificial Intelligence”** conducted by NoviTech R & D Private Limited on 25.09.2023.
13. Participated in a National Level Webinar on **“Development of Research Instrument”** organized by Research Cell in Association with IQAC, Nirmala Memorial Foundation College of Commerce and Science, Mumbai on 12.08.2023
14. Participated in National seminar on **“AI Tools in Various Domains”** organized by Department of computer studies (BCA, B.Sc (CS-DS/AI & ML and M.Sc., (CS) at K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode, Namakkal, Tamilnadu held on 10 & 11.07.2023.
15. Participated in the Webinar on **“QuillBot: An Effective Writing Tool”** organized by the Central Library of Vels Institute of Science, Technology & Advanced Studies (VISTAS) in Association with NDLI on 15.03.2023.
16. Participated in National Webinar on **“Smart Materials and Applications”** organized by PG & Research Department of Physics, Gonzaga College of Arts and Science for Women, Krishnagiri, Tamilnadu India held on 27 & 28.02.2023.
17. Participated in the International Workshop on **“Augmented Reality”** organized by the Department of Computer Science (PG), PSGR Krishnammal College for Women on 21.02.2023.
18. Participated in an International Web Conference on **“Research Methodology”** organized by IQAC Initiative Research & Development Cell and Department of PG studies in English, B.V.V.Sangha’s, Shri S.R.Kanthi Arts, Commerce and Science College, Mudhol-587314, Karnataka State, India on 09.01.2023.
19. Participated in International webinar on **“Recent Trend in Materials Research and Methods for Sustainability - 2022”** organized by Institution

Innovation Council (IIC), KSRCAS and In Association with Einstein's Hub, Department of Physics, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode on 19.11.2022.

20. Participated in the RRRLF sponsored SALIS 2022: National Conference on **"Transformation of learning Resource Centres in the Digital Era - Tutorial Session on "SWAYAM-NPTEL & IRINS"** organized by the Department of Library, K.S.Rangasamy College of Technology, Tiruchengode jointly with society for the Advancement of library and information science (SALIS) at KSRCT on 13.10.2022.
21. Participated in the International webinar on **"WORKOTOPIA-2022"** organized by Training and Placement Cell, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode held from 7.3.2022 to 12.03.2022.
22. Participated in the National webinar on **"Graph Labeling And Coloring Tools"** organized by the Department of Mathematics in association with Internal Quality Assurance Cell of Guru Nanak College (Autonomous), Guru Nanak Salai, Velachery, Chennai held on 31.07.2021.
23. Participated in the National webinar on **"Role and Impact of Entrepreneurship to students"** organized by the Departments of Mechanical and Automobile Engineering, Arasu Engineering College, Kumakonam on 30.05.2021 through online pedagogy.
24. Participated in National webinar on **"The use and importance of digital Library for students of the college"** organized by Janta College, Bakewar, Etawah (U.P) on 08.04.21.
25. Participated in International webinar on **"Innovations in science & Technology"** organized by Department of Chemistry, Smt. Narsamma Arts, Commerce and Science College, Kiran Nagar, Amravati and Association of Chemistry Teachers (ACT), Mumbai on 27.02.2021.
26. Attending the Live Webinar Series 3.0 titled **"International Opportunities After Graduation"** organized by Institution's Innovation Council of Dr.N.G.P. Institute of Technology on 21.01.2021.

27. Participated in the Live Webinar on **“Academic Identities: An overview”** (ORCID, Research ID, Scopus ID, Google scholar ID and Microsoft Academic ID) organized by Library and Information Centre & Research and Development Cell, K.S.Rangasamy College of Arts and Science, Tiruchengode on 30.12.2K20.
28. Participation in the webinar on **“Natural Dyes: An Alternate Source for Synthetic Dyes”** organized by the Department of Chemistry & Research Committee, Arasu Engineering College, Kumbakonam on 20.12.2K20.
29. Participation the Three days National Level online workshop on **“Introduction to Deep Learning”** organized by Department of Electronics & Communication Engineering, GVR & S College of Engineering and Technology, Guntur, Andhra Pradesh in Association with skill to Hire on 21.08.2K20 -23.08.2K20.
30. Participation in National Level Webinar **“Skills in the world of Printing Technology”** supported by Department of IT and CS, S.S.T. College of Arts & Commerce, Ulhasnagar held on 16.8.2K20.
31. Attending the online International conclave on **“Covid-19: A Meaningful Shared Experience”** organized by KanyaMaha Vidyalaya, Jalandhar on 16.08.2K20.
32. Participation in the International webinar on **“Quantum Materials and Nanoparticles for Advanced Applications”** organized by Department of Physics (SF), Kamraj College, Thoothukudi on 06.08.2K20.
33. Participation in the webinar on **“Opportunities and Challenges for Artificial Intelligence”** organized IEEE - Product safety Engineering Society, Madras Chapter on 04.08.2K20.
34. Participation in the International webinar on **“Tools for Language Classroom”** organized by KLE Society’s Arts & Commerce College, Gadag. (KS) on 03.08.2K20.
35. Participated in the National e-Conference on **“Recent Advances in Materials Science & Nanotechnology (NCRAMSN - 2020)”** organized by Department of Physics of Yeshwantrao Chavan College of Arts, Commerce

& Science Sillod, Dist. Aurangabad, Maharashtra, India during 01.08.2020 & 02.08.2020.

36. Participation in the Two days online workshop on **“Research Tools and Techniques for Materials Characterization”** organized by the PG & Research Department of Physics jointly with Internal Quality Assurance Cell (IQAC) of The Madurai DiraviyamThayumanavar Hindu College, Tirunelveli, Tamil Nadu, India on 31.07.2020 & 01-08-2020.
37. Participation in the webinar on **“Investment Awareness and Related Topics”** organized by P G Department of Management Studies, Adichunchanagiri Institute of Technology in collaboration with National Stock Exchange of India, Chikkamagaluru on 25.07.2020.
38. Participated in the International webinar on **“Nanotech Applications”** organized by the Department of Science, St.Joseph’s College of Engineering, Chennai held on 24.7.2020 & 25.7.2020.
39. Participated in the webinar on **“E-Bike Conversion Techniques”** organized by the Department of Electrical & Electronics Engineering, Tagore Engineering College on 24.7.2020.
40. Participated in the One Day National Workshop on **“THE IMPORTANCE OF ICT AND ITS TOOLS”** organized by the Department of English and IQAC, SaradhaGangadharan College, Puducherry, on 23.7.2020.
41. Participated in the National webinar on **“Recent Developments in Material Science and Nanotechnology” (RDMN-2020)** organized by the Department of Physics and IQAC, Marathwada ShikshanPrasarak Mandal’s Arts, Commerce and Science College, Kille-Dharur on 23.7.2020.
42. Participated in the International webinar on **“Nano-materials and their applications”** organized by UNIPHY-Dept. of Physics, IDHAYA COLLEGE FOR WOMEN, SARUGANI on 23.07.2020.
43. Participated in the webinar on **“NBA-Outcome Based Education”** organized by Centre for Production and Service Facility (CPSF) and Department of Mechanical of Engineering, Karpagam Academy of Higher Education, Coimbatore on 23.07.2020.

44. Participated in the International **Research Methodology** Workshop jointly organized by Social Science & Management Welfare Association & Radiant Group of Institution, Jabalpur (M.P.) India on 18th - 20th.07.2K20.
45. Participated in the webinar on **“UNDERSTANDING WINDMILL GEARBOX”** presented by Mr.SenthilnathanPitchandy, Manager-R&D, SIEMENS GAMESA RENEWABLE ENERGY, Bangalore and organised by Department of Mechanical Engineering, Francis Xavier Engineering College, Tirunelveli on 19.07.2K20.
46. Participated in the webinar on **“How to be an Efficient Learner”** organized by Department of Commerce - IV on Rathinam College of Arts & Science (Autonomous), Coimbatore on 17.07.2K20.
47. Participated in two weeks on line international workshop on **“Effective Research Paper Writing & Publishing Aspects”**organized by Department of Civil Engineering, FET, MRIIRS from 6.7.2K20 - 17.7.2K20.
48. Participated in the webinar on **“Voice Networking and Automation”** organized by the Department of ECE, Nadar Saraswathi College of Engineering and Technology, Theni on 15.07.2K20.
49. Participated in the Workshop on **“Arduino”** conducted on 15.07.2K20 by the Department of Electronics and Communication Engineering, SRM TRP Engineering College, Tiruchirappalli.
50. National Level webinar on **“Development of Embedded system using Raspberry Pi”** organized by PG and Research Department of Electronics, Sri Ramakrishna College of Arts and Science (Autonomous) on 15.07.2K20.
51. Participated in the National level webinar on **“Artificial Intelligence with Learning Concept”**organized by S.E.M.T's M.B. Harris College of Arts &A.E.Kalsekar College of Commerce &Mgmt.Burhan Chowk, Nawayat Nagar, Nallasopara-West, Maharashtra.
52. Participated in the International webinar on **“Advanced Materials for Energy Storage Applications”** organized by Research Centre of Physics, Fatima College (Autonomous), Madurai from 13.07.2K20 to 15.07.2K20.

53. Participated in the National webinar on **“Art of Writing Research Papers in International Peer Reviewed Journal”** organized by IQAC and Department of Commerce – IV, Rathinam College of Arts & Science on 13.07.2K20.
54. Participated in the International Conference on **“Advanced Materials: Smart Future”** organized by the Department of Science under the aegis of the Internal Quality Assurance Cells (IQAC) of both Shri Lemdeo Patil Mahavidyalaya, Mandhal, Tehsil – Kuhi, District – Nagpur and Shri Sant Gadge Maharaj Mahavidyalaya, Hingana, District – Nagpur held on 11.07.2K20.
55. Participated in the One Day National Level Webinar on **“SMART TOOLS FOR TEACHING AND RESEARCH”** organized by Library & Information Centre in association with Internal Quality Assurance Cell of Chandrabhan Sharma College of Arts, Science & Commerce, Mumbai held on 11.07.2K20.
56. Participated in the Webinar on **“Artificial Intelligence in Engineering”** organized by GNIET Nagpur, Training and Placement Department in Collaboration with COJAG Smart technology Pvt.Ltd.Nagpur on 10.07.2020.
57. Participated in the International Webinar on **“Embedded and IoT Based Real Time Project Development using Arduino and MIT App Inventor”** organized by the Department of ECE, CSE, and EEE., St.Joseph's College of Engineering & Technology, Thanjavur on 10.07.2K20.
58. Participated in the Webinar on **“Prospects of Artificial Intelligence in Telecom Networks”** organized by the Department of Electronics & Communications Engineering in association with Institutions innovation Council of Francis Xavier Engineering College, Tirunelveli on 10.07.2K20.
59. Participated in the Indo-Korea Virtual Conference on **“Development of Advanced Materials for Future Technologies (DAMFT-2020)”** organized by Jeonbuk National University, Jeonju, South Korea & Vellore Institute of Technology, Chennai, India on 09 & 10.07.2K20.
60. Participated in the International Webinar on **“Key Trends in IT Sector”** organized by the Department of Computer Science ThavathiruSanthalingaAdigalar Arts Science Tamil College, Coimbatore from 03.07.2K20 to 09.07.2K20 (7- Days).

61. Participated in the National level Webinar on "**Indian Scenario on Solar Energy and its Applications**" organized by Sanketika vidya Parishad Engineering College on 09.07.2K20.
62. Participated in the Webinar on "**PLC and It's Industrial Application**" organized by AVN Institute of Engineering & Technology in association with SMEC hyderabad on 03.07.2K20
63. Participated in the one-day National Webinar on "**Industrial IoT-4.0 and Advanced Technologies**" organized by Department of Electronics and Communication Engineering in collaboration with Phytee India, Easyarm&Aeslab Pvt Ltd, Sanketika Vidya Parishad Engineering College, Visakhapatnam on 04.07.2K20.
64. Participated in the Webinar on "**Recent Trends in Fiber Optics and Photonic Integrated Circuits with its Applications**" organized by the Department of Electronics and Communication Engineering, SRM TRP Engineering College, Tiruchirappalli on 03.07.2K20.
65. Participated in the webinar on "**Geographic Information Systems**" Organized by Department of Mechanical Engineering, Francis Xavier Engineering College, Tirunelveli on 03-07-2K20.
66. Participated in the one-day National Webinar on "**Smart Sensors and IoT for industrial Applications A-Case Study**" organized by Department of Diploma Electronics and Communication Engineering, Vaageswari College of Engineering (Polytechnic), Karimnagar, Telangana held on 03.07.2K20.
67. Participated in the National Workshop on "**Google Apps for Education & Moodle**" organized by IQAC and Department of Commerce, Rajaram College, Kolhapur on 2nd& 3rd July, 2K20.
68. Attended the One Week Lecture Series on "**Recent Trends on RF & its Applications**" organized by IEEE Antenna & Propagation Society (APS) Chapter - Jaipur & IEEE Rajasthan Subsection in association with Malaviya National Institute of Technology, Jaipur & Govt. Women Engineering College, Ajmer on 26.06.2K20 to 30.06.2K20.
69. Participated in the International Virtual Conference on "**Innovative Strategies in Chemical Science and Technologies (ISCST 2020)**" organized

by the Department of Chemistry, Bhaktavatsalam Memorial College for women, Chennai on 27 & 28.06.2020.

70. Participated in the webinar on **“Advanced Text Processing Using LaTeX”** organized by PG & Research Department of Physics, B.Voc. Electronics Circuit Designer and Electrician, PG Department of Electronics, SeethalakshmiRamaswami College, Trichy on 27.06.2020.
71. Participated in Two Days workshop on **“Digital Teaching and Learning”** organized by the Department of Education, SMT. VeerammaGangasiri Degree College and P.G.Center for Women, Kalaburagi on 25th& 26.06.2020.
72. Participated in the Virtual National Workshop on **“Research Scopes in Remote Sensing”** organized by Department of Electronics and Communication Engineering, St.Joseph’s College of Engineering in association with the IEEE student Branch Chapter held from 24th to 26.06.2020.
73. Participated in the webinar on **“Antennas in Biomedical Applications and MIMO technology”** organized by the Department of Electronics & Communication Engineering, Jyothi Engineering College, Thrissur in association with IEI (ECE) students Chapter on 24.06.2020.
74. Participated in the webinar on **“An Introduction to The Future 5G Technology”** organized by the Department of Electronics & Communication Engineering, CSI College of Engineering – KETTI on 24.06.2020.
75. Attended webinar on **“What is Success?”** organized by Sri Eshwar College of Engineering, Coimbatore on 24.06.2020.
76. Participated in the webinar on **“Role of Arduino and Raspberry PI system in Real World Application”** organized by the Department of Electronics & Communication Engineering, CSI College of Engineering – KETTI on 19.06.2020.
77. Participated in International live webinar on **“Teamwork Makes Dream Work”** organized by the Department of Psychology, Mahalashmi Women’s College of Arts & Science held on 19.06.2020.
78. Participated in One Day National Webinar on **“Road Safety: An Engineering Approach to Reduce the Accidents”** organized by the

Department of Civil Engineering, Engineering College Banswara & TEQIP-III on 19.06.2020.

79. Participated in the webinar on **“Requirements and strategies for a successful research”** conducted by the Department of Electronics & Communication Science and IQAC, Hindustan College of Arts & Science, Chennai on 19.06.2020.
80. Participated in the webinar on **“Solar Energy-Current Scenario & Future Trends”** organized by the Department of Mechanical Engineering, St. Joseph’s Institute of Technology, Chennai in association with IEI Kanchipuram Local Centre on 17.06.2020.
81. Participated in the webinar on **“Future of Education”** conducted on 18.06.2020 by ICT Academy.
82. Participated in International webinar on **“Current Trends in Information Technology”** organized by the Department of Electronics and Communication, Government Arts College, Dharmapuri & Faraday Ozone, Coimbatore held on 18.06.2020.
83. Participated in the webinar on **“Additive Manufacturing for Bioimplant Manufacturing and its challenges”** organized by Department of Mechanical Engineering & Research Committee, Arasu Engineering College, Kumbakonam on 13.06.2020 through online pedagogy.
84. Participated in a webinar on **“Guidance to young Graduates for preparation of NET/SET Examination”** organized by First Year Department, Priyadarshini Bhagwati College of Engineering, Nagpur & Under the initiative of IQAC on 12.06.2020.
85. Participated in the webinar on **“Antenna design: Recent Trends and Applications”** organized by Department of Electronics, Government Arts College, Kulithalai, Tamilnadu on 10.06.2020.
86. Participated in webinar on **“Solar Photovoltaic Technology - Fundamentals, Advancements and Applications”** organized by Department of Electrical and Electronics Engineering of Hindusthan College of Engineering and Technology, Coimbatore on 11.06.2020.

87. Attended a webinar on **“Reinventing Research: IPR for Revenue Generation”** organized by SKN Sinhgad College of Engineering, Pandharpur & Association with PSP-IP Associated (P) Ltd on 09.06.2020.
88. Attended a webinar on **“Covid-19- in the eyes of Chemistry & Sustainable Nanomaterials for future”** organized by Department of Chemistry, K.S.Rangasamy College of Arts & Science (Autonomous), Tiruchengode on 08 & 09.06.2020.
89. Participated in one day International webinar on **“Nanomaterials for Smart and Sustainable Energy Solutions”** organized by Department of Physics RayatShikshan Sanstha’s Mahatma Phule Arts, Science and Commerce College, Panvel in association with Internal Quality Assurance cell held on 08.06.2020.
90. Participated in the webinar on **“Handshaking of IoT and Machine learning”** organized by Department of Electrical and Electronics Engineering, Jai Shriram Engineering College, Chennai on 06 & 07.06.2020.
91. Participated in the webinar on **“Introduction to Blockchain Technology”** organized by Department of Computer Science and Engineering, Arasu Engineering College, Kumbakonam on 06.06.2020 through online pedagogy.
92. Participated in the Two days National Level Webinar on **“Industrial Applications and Career Opportunities (IACO - 2020) - Nano Technology”** organized by Arjun College of Technology on 05 & 06.06.2020.
93. Participated in the webinar on **“Decision Making with the Application of Data Mining”** organized by Department of Mathematics, K.Ramakrishnan College of Technology, Samayapuram, Trichy on 05.06.2020.
94. Participated in a National webinar on **“Creative Writing of Research Proposals & Articles”** organized by Department of Physics, AdikaviNannaya University, Rajamahendravaram on 04.06.2020 through virtual platform.
95. Participated in the on line webinar on **“Marine Satellite Communication”** conducted by the Department of Electronics, CMS College of Science & Commerce, Coimbatore which was held on 03.06.2020.

96. Participated in the International webinar on **“Photonics 2020”** organized by the Department of Physics Christ Nagar College, Maranalloor, Trivandrum on 03.06.2K20.
97. Participated in the National level webinar on **“Survival and Growth of MSMEs : During and After COVID-19”** held on 01.06.2K20 organized by School of Skill and Entrepreneurship Development, Karnataka State Rural Development and Panchayat Raj University, Gadag.
98. Participated in the International E-conference on **“Handle Covid-19 With Healthy & Effective Lifestyle”** organized by Department of Human Excellence, NallamuthuGounder Mahalingam College (Autonomous), Pollachi held on 25-05-2k20 to 31.05.2K20.
99. Participated in the National level webinar on **“Research Methodology: Report Writing”** held on 30.05.2K20 organized by School of Skill and Entrepreneurship Development, Karnataka State Rural Development and Panchayat Raj University, GADAG.
100. Participated in the webinar on **“Electron Microscopy: An Essential Tools For Nanomaterials Characterization”** organized by Department of Electronics and Physics, Hindusthan College of Arts and Science (Autonomous), Coimbatore on 29.05.2K20.
101. Participated in the National level webinar on **“Personality Development”** held on 29.05.2K20 organized by School of Skill and Entrepreneurship Development, Karnataka State Rural Development and Panchayat Raj University, GADAG.
102. Participated in the webinar on **“Automata theory and its Applications”** organized by Department of Computer Science and Engineering, Arasu Engineering College, Kumbakonam on 28.05.2K20 through online pedagogy.
103. Participated in the National level webinar on **“Future of Work, Jobs and Careers after COVID-19”** held on 28.05.2K20 organized by School of Skill and Entrepreneurship Development, Karnataka State Rural Development and Panchayat Raj University, GADAG.

104. Participated in the webinar on **“Diagnostics and Nanotechnological Application in Covid-19”** hosted by Department of Zoology, D.K.M College for Women (Autonomous), Vellore, Tamilnadu on 28.05.2K20.
105. Participated in the National level webinar on **“Future of Work, Jobs and Careers after COVID-19”** held on 28.05.2K20 organized by School of Skill and Entrepreneurship Development, Karnataka State Rural Development and Panchayat Raj University, GADAG.
106. Participated in the webinar on **“Introduction to Design of Experiments”** organized by Department of Mechanical Engineering & Research Committee, Arasu Engineering College, Kumbakonam on 27.05.2K20 through online pedagogy.
107. Participated in webinar on **“Effects of Exercise on the Human body”** held on 26 & 27.05.2K20 organized by the Department of Physical Education and sports, Indian Institute of Teacher Education.
108. Participated in the webinar on **“Introduction to Design of Experiments”** organized by Department of Mechanical Engineering & Research Committee, Arasu Engineering College, Kumbakonam on 27.05.2K20 through online pedagogy.
109. Participated in Future tech webinar series in **“Know the Talent Race”** organized by Jeppiaar Institute of Technology on 26.05.2K20.
110. Attended on the one day International webinar on **“Computer Vision Vs Human Vision”** organized by the Department of BCA held at K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode on 23.05.2K20.
111. Participated in the webinar on **“Guidelines for writing a Research Paper”** organized by Research Committee, Arasu Engineering College, Kumbakonam on 22.05.2K20 through online pedagogy.
112. Participated in National webinar on **“Research Methodology”** jointly organized by SVD. Government Degree College (W), Nidadavole, West Godavari district, Andhra Pradesh and Khandesh Chapter of English Language Teachers Association of India on 21.05.2K20.

113. Participated in the webinar on **“Micro, Nano and Atomic Scale Approaches in Electronic Applications”** organized by Department of Electronics, Erode Arts and Science College (Autonomous), Erode on 21.05.2K20.
114. Participated in the webinar on **“Thin film technology - A Fascinating Area for Research and Development”** organized by Department of Physics, Nirmala College for Women, Coimbatore on 19.05.2K20.
115. Participated in the webinar on **“Secret of film Choreography”** presented by Mr. Sheriff film choreographer and organized by SRM institute of Science and Technology on 18.05.2K20.
116. Participated in the **“Webinar series - 2020”** from 17th April to 17th May 2K20, organized by Gandhi Arts & Science College, Sathyamangalam.
117. Participated in the National level webinar on **“Bio-Medical Textile A Sojourn from Fibers to Fabrics”** organized by Department of Electronics, Sri Ramakrishna College of Arts and Science, Coimbatore held on 14.05.2K20.
118. Participated the one day webinar on **“How Do We Know What We Know”** organized by IQAC, K.S.R. College of Education, Tiruchengode, Namakkal held on 13.05.2K20.
119. Participated in a webinar on **“Robotics Process Automation conducted in Google Hangouts”** by the Department of Electronics & Communication systems, VLB Jankiammal College of Arts and Science (Autonomous), Coimbatore on 09.05.2K20.
120. Participated in the webinar on **“Emerging Trends in Ham Radio”** organized by the PG Department of Electronics, Sri Vasavi College, Erode in association with Coimbatore Amateur Radio Club on 09.05.2K20.
121. Attended the webinar series on **“Conceptual and Applied Physics”** jointly organized by Department of Physics, School of Science, RK University and Department of Nanoscience & Advanced Materials, Saurashtra University, Rajkot during 05.05.2K20 to 08.05.2K20.
122. Participated in webinar on **“Industrial Based Embedded Automation”** organized by Department of Electronics & Communication

Engineering, Sri Ranganathar Institute of Engineering & Technology, Coimbatore on 08.05.2K20.

123. Participated in webinar on **“Industrial Automation”** organized by Sathyabama Institute Science and Technology in association with The Institution of Engineers India held on 07.05.2K20.

124. Participated in a webinar on **“Top Technology Trends on Mechanical in 2020”** organized by Galaxy Top Corner, Tiruchirappalli on 07.05.2K20.

125. Participated in webinar on **“Data Science”** organized by the Department of Computer Applications, Mar Gregorios College Arts & Science in association with Career Mudhra held on 06.05.2K20.

126. Participated in a webinar on **“Top Technology Trends in 2020”** organized by Galaxy Top Corner, Tiruchirappalli on 06.05.2K20.

127. Participated the one day webinar on **“Building Deep Neural Networks for Object Recognition without coding”** organized by KPR Institute of Engineering and Technology, Coimbatore held on 05.05.2K20.

128. Participated in the Seven Day workshop on **“Teaching Tamil through Computerized Technology”** held at PSG College of Arts & Science under Tamil Unlimited (USA) & World Tamil Software Open Community (USA) from 29.04.2K20 to 05.05.2K20 through Google Meet Platform.

129. Participated in webinar on **“Industry Perspective on Machine Learning”** organized by Sathyabama Institute of Science and Technology on 04.05.2K20 through online pedagogy.

130. Participated in the one day National level seminar on **“Machine Learning in Robotics”** organized by the Department of Computer science & Department of Electronics & Communication held at K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode on 30.8.2019.

131. Participated in the workshop on **“J Gate - An Electronic Gateway for Research programme”** held at Central Library, K.S.R. College of Engineering (Autonomous), Tiruchengode on 10.7.2019.

132. Participated in the National Seminar on **“Recent Advancements in Chemistry (RAC-2019)”** organized by the Department of Chemistry held at

K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode on 29.1.2019.

133. Participated in the International Conference on **“Recent Trends in Arts, Science, Engineering & Technology (ICRTASET-2018)”** organized by DK International Research Foundation (DKIRF) & International American Council for research & Development (IACRD) held on 30th December 2018 at Dhanalakshmi Srinivasan Hotel, Perambalur, Tamilnadu.
134. Participated in the One day National workshop on **“INTERNET OF THINGS: ARDUINO FOR SMART CITIES”** organized by the Department of Computer science & Department of Electronics And Communications held at K.S.Rangasamy College of Arts & Science (Autonomous) on 12th September 2018.
135. Participated in the International Seminar on **“Current Trends in Computer Science and Technologies”** Associated with CSI Communications and ICT Academy, held at Vivekanandha College of Arts And Sciences For women (Autonomous), Tiruchengode on 11.9.2018.
136. Participated in the International Colloquium, ACM Distinguished speaker programme on **“Study of Cognitive Ability of Human Brain”** organized by Department of Computer science and Applications held at K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode on 20th July 2018.
137. Participated in the one day seminar on **“How to write a Successful Project Proposal to Funding Agencies”** organized by Library & Readers club, K.S.Rangasamy College of Technology (Autonomous), Tiruchengode held on 21st July, 2018 at KSRCT.
138. Participated the Two days Science Academies Lecture workshop on **“Artificial Intelligence And Computational Biology”** organized by Department of Computer Science and Applications at K.S.Rangasamy College of Arts and Science (Autonomous), sponsored by Indian National Science Academy (INSA), New Delhi, National Academy of Science (NAS), Allahabad and The Indian Academy of Sciences (IAS), Bangalore, held during March 26th- 27th, 2018.
139. Participated in the CSIR Sponsored one day National level seminar on **“Nanomaterials for Energy Applications”** held on 21st March 2018

organized by the Department of Physics at Velalar College of Engineering and Technology, Thindal, Erode - 12.

140. Participated in National seminar on **“Emerging Trends in Chemistry (ETC - 2018)”** held at K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode on 9th March, 2018.
141. Participated in the National seminar on **“Advanced Materials Research (NSAMR - 2018)”** held at Department of Physics, K.S. Rangasamy College of Arts and Science (Autonomous), Tiruchengode, February 1st, 2018.
142. Participated in the one day National level workshop on **“Industrial Drives and Automation using PLC” (IDAPLC-2018)** organized by the Department of Electronics And Communication, Selvamm Arts & Science College (Autonomous), Namakkal held on 5th January 2018.
143. Participated in the one day National seminar on **“Global Space Technology” (NSGST-17)** organized by the Department of Physics, K.S.R. College of Arts & Science for Women, Tiruchengode held on 10th October 2017.
144. Participated in the ICMR (Indian Council of Medical Research) sponsored National seminar on **“Clinical Application of Emerging sensor technologies in diabetes management”** organized by Department of Electronics and communication Engineering held at K.S.Rangasamy College of Technology, Tiruchengode during 4th-5th October, 2017.
145. Participated in the DST - DAAD - Project based Personal Exchange Programme (PPP) sponsored International workshop on **“Health Risk Assessment of Nanoparticles”** organized by Centre for Nanoscience and Technology held at K.S.Rangasamy College of Technology, Tiruchengode during 11th-13th, September, 2017.
146. Participated the two days National seminar on **“MEMS and Nano Electronic Devices”** organized by the Department of Electronics and Instrumentation, Bharathiar University, Coimbatore held during 19th - 20th , December-2016.
147. Participated the one day National seminar on **“Frontier areas of Materials Research”** organized by the Department of Physics, K.S.Rangasamy College of Arts & Science (Autonomous) on September 28th , 2016.

148. Participated the Three days Science Academies Lecture workshop on **“Numerical Methods And Scientific Computing”** organized by Department of Computer Applications - UG, K.S.Rangasamy College of Arts and Science (Autonomous), sponsored by Indian National Science Academy (INSA), new Delhi, National Academy of Sciences (NAS), Allahabad and The Indian Academy of Sciences (IAS), Bangalore, held during August 10th -12th , 2016.
149. Participated the Three days Science Academies Lecture workshop on **“Recent trends in Nano Biotechnology”** organised by Centre for Nanoscience and Technology, K.S.Rangasamy College of Technology sponsored by Indian Academy of Sciences (IAS), Bangalore, Indian National Science Academy (INSA), New Delhi and The National Academy of Sciences (NAS), Allahabad held during January 25th-27th ,2016.
150. Participated the one day National level seminar on **“VLSI & VHDL technology, Trends in Mobile Communication”** organized by the Department of Electronics & Communication, Sri Ganesh College of Arts & Science, salem held on 20th January, 2016.
151. Participated the Three days Science Academies Lecture workshop on **“Selected Topics In Pure And Applied Physics”** organised by Centre for Nanoscience and Technology, K.S.Rangasamy College of Technology sponsored by Indian Academy of Sciences (IAS), Bangalore, Indian National Science Academy (INSA), New Delhi and The National Academy of Sciences (NAS), Allahabad held during February 6th-8th ,2015.
152. Participated the one day National seminar on **“E-Resources for Teaching, Learning and Research”** jointly organized by the Library and Information Centre, K.S.R College of Arts and Science (Autonomous), Tiruchengode and Society for the Advancement of Library and Information Science (SALIS), Erode on 6thDecember, 2014.
153. Participated the One day educational workshop on **“Pact-Work Life Balance”** Chinmaya Academy of Management, chennai chapter organized by K.S.Rangasamy college of Arts & Science (Autonomous), Tiruchengode-637 215 held on 17th April, 2014.
154. Participated the One day workshop on **“Scientific Usage of Electron Microscopes: SEM And TEM”** organized by Centre for Instrumentation

and Maintenance Facility (CIMF), Periyar University, PeriyarPalkalai Nagar, Salem-636 011 held on 6th January, 2014.

155. Participated the Three day workshop on **“Mission 10X: Enhancing Teaching Skills Workshop”** organized by Vivekanandha college of Arts & Science for women, Tiruchengode from 28th to 30th November 2012.
156. Participated the One day workshop on **“Transforms: Continuous, Discrete and Applications”** organized by the Department of ECE, K.S.Rangasamy college of technology, Tiruchengode on 12thSeptember, 2012.
157. Participated the One day seminar on **“Free Software Movements In Education”** organized by the Department of Mathematics, KSR College of Arts and Science, Tiruchengode on February 7th, 2012.
158. Attended the Two days workshop on **“Physics Experiments through computer Interfacing (WPECI-2010)”** organized by the Department of Physics, Periyar University, Salem-636 011, during December 9th - 10th, 2010.
159. Participated the Three days National level workshop on **“LaTeX and Scilab”** organized by the Department of Mathematics, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode during December 3rd - 5th, 2010.
160. Participated the Two days National seminar on **“Smart Medical Diagnosis System Using Image Fusion Technology”** conducted by K.S.R College of Technology, held during 19th-20thFebruary 2010.
161. Participated the One day workshop on **“Recent Trends in Image Processing”** conducted by PSG Polytechnic College, Coimbatore on August 8th, 2009.
162. Participated the One day workshop on **“Advancements in Digital Signal and ImageProcessing”** conducted by K.S.R. College of Engineering, Tiruchengode on February 3rd,2009.
163. Participated the One day workshop on **“Emergency Trends in Network Technologies”** in VLB Janakiammal college of Arts & Science, Coimbatore on April 2004.

PROJECT DETAILS

The following under graduate (B.Sc., Electronics & Communication) student's project under my guidance:

Batch: 2017 – 2K20

1. Mr.K.GnanaPrakasham, "Automatic Industrial based Air Pollution Avoidance System", (2K20).
2. Mr.S.Logenthiran, "Smart Medicine Reminder Using Arduino", (2K20).
3. Ms.S.Padhma Priya, "Line Following Robot", (2K20).
4. Mr.V.Shankarganesh, "Decibel Meter Sound Model & Arduino LCD Display", (2K20).
5. Mr.G.Shiyam, "Gesture Control Laptop using Arduino and Python", (2K20).
6. Mr.S.Tamilselvan, "Smart Voting Machine using Arduino", (2K20).

Batch: 2016 – 2019

1. Ms.V.Devadharshini, "Four quadrant DC motor speed control using Arduino", (2019).
2. Mr.G.Hariharan, "Solar tracking system", (2019).
3. Mr.G.Nallasivan, "Arduino RFID door lock system", (2019).
4. Mr.J.Prasanth, "Android motion detector camera using Arduino", (2019).
5. Mr.S.Santhoshkumar, "Advanced footstep power generation system", (2019).
6. Ms.R.Saranya, "Garbage monitoring using Arduino", (2019).

Batch: 2015 – 2018

1. Mr.S.Ashok Raj, "Line Follower Robot using Microcontroller", (2018).
2. Mr.K.Gowtham, "Intelligent Ambulance with Traffic Control Using PIC Microcontroller", (2018).
3. Mr.H.KhajaMohinudeen, "Security Fails Switch on TV and Image Capture", (2018).
4. Mr.M. Manikandan, "Obstacles Avoiding Robot Using Embedded System", (2018).
5. Mr.A.Peter, "Embedded based Vehicle detection and payment information", (2018).
6. Mr. M. Prabhu, "Real Time Heart Beat Monitoring and Alerting System", (2018).
7. Mr. S.Sakthivel, "Solar Cell Making A Factory Light", (2018).
8. Mr.T.Sivamoorthy, "Laser Security Alarm in Bank System", (2018).

Batch: 2014-2017

1. Mr.T.Ameer Abbas, "Accident prevent using Ultrasonic HC-SR04", (2017).
2. Mr. T. Dinesh, "Foot step power generation system", (2017).
3. Ms.S.Geethanjali, "Synthesis and optical characterization of Al doped ZnO", (2017).
4. Mr. M. Gukan, "PIC Microcontroller using 16F872 based on baby Incubator", (2017).
5. Ms.S.Pavithra, "Vehicle control in No parking area", (2017).
6. Ms.L.Ranjitha, "Fisherman helper system is using PIC Microcontroller", (2017).
7. Mr. M.Sandeep Kumar, "IR Musical transmitter and receiver system, (2017).
8. Mr.K.Saravana Balaji, "Digital code locking system", (2017).
9. Mr.B.Surya, "Power theft monitoring", (2017).

Batch: 2013-2016

1. Mr. M. Dharmaraj, "Remote control for home appliance", (2016).
2. Ms.G.Iswarya, "Object detection and vibration alert for blind", (2016).
3. Mr. S.Parthipan, "Vehicle key reminder using inductive proximity sensor", (2016).
4. Mr. K.Periyasamy, "CATV Optic Node", (2016).
5. Mr. P.ShanmugaPriyan , "Electronic tutor for pre school kids", (2016).
6. Mr. M.Shayansha, "Boundary detector for sailor", (2016).
7. Ms.S.Soundharya, "Swithcless calling bell", (2016).
8. Mr. S.Thamaraikannan, "Sound operated switch", (2016).
9. Ms.P.Uma, "Mobile call detector with mute system", (2016).

Batch: 2012-2015

1. Ms.P.Geetha, "Automatic play irrigation system", (2015).
2. Mr.S.Gowrisankar, "Traffic filters", (2015).
3. Ms.L.Nandhini, "Street light that glove on detecting vehicle movement", (2015).
4. Mr.M.Prakash, "Wireless calling using infra red technology", (2015).
5. Mr.K.Prasanth, "Post box Alarm", (2015).
6. Mr.N. Shahulhammeed, "Eye blink sensing and accident preventer", (2015).
7. Ms.E.Sowmya, "Embedded based speed control system of vehicle using RF technology", (2015).
8. Mr.M.Sridhar, "Brake failure indicator", (2015).

Batch: 2011-2014

1. Mr.S.Jayaprakash, "Microcontroller Based Automatic Moisture Control", (2014).
2. Mr.M.Palanisamy, "Object Sensing Detector", (2014).
3. Mr.S.Sivaraj, "Reduction of Risky Roadway System Using GSM", (2014).
4. Ms.K.Sivaranjani, "Main Supply Failure Indication", (2014).
5. Mr.M.Vairam, "Drinking Water Alarm", (2014).
6. Mr.R.Viswanath, "Automated Car Parking System With Automatic Gate Opener", (2014).

Batch: 2010-2013

1. Mr.R.Kavin Kumar, "Remote Controlled Fan Regulator", (2013).
2. Mr.M. Kumar, "Water Level Controller", (2013).
3. Mr. S. Selvaraj, "Electronic Circuit Breaker", (2013).
4. Mr. T. Silambarasan, "Security & Power Saver System Using PIR Sensor", (2013).
5. Mr.G.Soundharan, "Clap Switch Using Microphone", (2013).
6. Ms.B. Subasri, "Alcohol Indicator", (2013).
7. Mr.K.Vetrivel, "Smoke Detector Using PGS 8213", (2013).

Batch: 2009-2012

1. Mr.AnkitKhemani, "Security system and power saver with motion sensor BS1600", (2012).
2. Mr.C. Govindarasu, "Modern Security System", (2012).
3. Mr.Konthoujam Michael Meitei, "Door Bell Flasher for Deaf", (2012).
4. Mr.G. Kumaresan, "Alcohol Indicator", (2012).
5. Mr.V. Mohanraj, "Remote control for home appliance", (2012).
6. Mr.R. Sarathkumar, "Laser Security Alarm for House", (2012).
7. Mr.R. Sathish, "Room Temperature Controller for Ventilation Control", (2012).

ACADEMIC ASSIGNMENTS

- Act as an **organizing member** for an international level one week FDP on design thinking in "Experimental teaching using AI technologies" at the Department of BCA, K.S. Rangasamy College of Arts and Science (Autonomous), Tiruchengode during 30.8.2024 to 06.09.2024.
- Appointed as Member in the meeting of the **Board of Studies in B.Sc., Electronics Communication** under Choice Based Credit System (CBCS) and to be implemented from the academic year 2023-2024 and thereafter in Periyar University, Salem-11.

- Acted as an **External Examiner** for B.Sc Manufacturing Science course for the Employees of TATA Electronics Private Limited (TEPL), Hosur through Department of Electronics & Instrumentation, Bharathiar University, Coimbatore from 2022-2023 onwards.
- Act as **Member of IQAC** for the academic year 2022-2023 in K.S.Rangasamy College of Arts & Science (Autonomous), Tiruchengode.
- Appointed as Member in the Constitution/Reconstitution of **Board of Studies** in Electronics Science (UG & PG) for a period of three years from 06-02-2020 to 05-02-2023 in Thiruvalluvar University, Serkkadu, Vellore - 632 115.
- Served as a **Question paper setter** for M.Sc degree examination in Electronics at Seethalakshmi Ramaswami College (Autonomous), Tiruchirapalli-620002 from 2020.
- Acted as **External Examiners** for PG (Electronics) practical examinations in Seethalakshmi Ramaswami College (Autonomous), Tiruchirapalli-2 on 12.03.2019.
- Served as a **Question paper setter** for B.Sc degree examination in Electronics and Communication systems at Sri Krishna College of Arts & Science (Autonomous), Coimbatore, 2019.
- Functioned as an **Additional Chief Superintendent** for the conduct of Periyar University Theory Examinations in Sri Ganesh College of Arts & Science, Ammapet, Salem from 24.11.2018 to 03.12.2018.
- **Chaired a session** at the Third International Conference on Nanomaterials: Synthesis, Characterization and Applications (ICN-2018) held at Mahatma Gandhi University, Kottayam, Kerala, India during 11th- 13th May 2018.
- Served as a **Question paper setter** for M.Sc degree examination in Electronics and Communication systems at Nehru Arts and Science College (Autonomous), Coimbatore, 2018.
- Acted as **External Examiners** for central valuation in Bharathiar University, Coimbatore for M.Sc degree examination in Electronics and Instrumentation, May 2017.
- Served as **Additional Chief Superintendent** for conducting Periyar University Examinations in Jayam Arts & Science College (Co-Ed), Nallanur, Dharmapuri (Dt) from 22.11.2016 to 29.11.2016.
- Acted as **External Examiners** for central valuation in Selvamm Arts & Science College, Namakkal for UG / PG examination during November 2016.
- Served as a **Question paper setter** for M.Sc degree examination in Electronics and Instrumentation at Bharathiar University, Coimbatore from 2016.

- Participated and served as **Member of the Organizing Committee** in the International conference on “Nano Materials and Nanotechnology (Nano-2015)” held at K.S.Rangasamy College of Technology, Tiruchengode during 7th-10th, December,2015.
- Acted as **External Examiners** for PG (Electronics and Instrumentation) practical examinations in Bharathiar University, Coimbatore from 29.10.2015 to 30.10.2015.
- Serving as **External Examiners** for practical examinations in Selvamm Arts & Science College, Namakkal since 2012.
- Served as a **Question paper setter** for B.Sc degree examination in Electronics and communication system at Karpagam University, Coimbatore from 2010.
- Served as Member of **Board of studies** in Department of Electronics & Communication, K.S.Rangasamy College of Arts & Science (Autonomous), Tiruchengode.
- Served as **Examiners** for central valuation in Periyar University for UG examination since 2009.

PUBLISHED RESOURCE MATERIALS

- “Microprocessor and Communication Lab” Text book under SIM pattern for PRIDE.
- “Data Communication” Text book under SIM Pattern for PRIDE.

ACADEMIC SKILLS

- Served as mentor cell for UG - Electronics & communication students from 2016.
- Working as a NAAC, Autonomous, ISO and IQAC coordinator in Department of Electronics & Communication at K.S.Rangasamy College of Arts & Science (Autonomous), Tiruchengode.
- Member of Discipline, Food and Certificate committee in K.S.Rangasamy College of Arts & Science (Autonomous), Tiruchengode.
- I got 100 % result in various Electronics subjects in K.S.Rangasamy College of Arts & Science (Autonomous), Tiruchengode.
- Member of Discipline committee in Selvamm Arts & Science College, Namakkal.
- Served as in charge for certificate course on “Basic Electronics and servicing of cell phone” for UG students in the year 2011-2012.
- Served as programmed Co-ordinator for certificated course on “Basic and Digital Electronics” for school students during the month of February to April, 2011.

- Conducted Value added course like Cell Phone servicing in Selvamm Arts & Science College, Namakkal.
- Worked as sports coordinator in Selvamm Arts & Science College, Namakkal.
- Functioned as Editor in “Selvamtronics” at Selvamm Arts & Science College, Namakkal.
- I got 100 % result in various Electronics subjects in Selvamm Arts and Science College, Namakkal.

CERTIFIED COURSES COMPLETED

- D.T.P. (Diploma in Desktop publishing)
- MS-OFFICE, Adobe PageMaker, CorelDraw

MINI PROJECTS

Project Title 1	Electricity Board Prepaid Card
Duration	November 2003 to April 2004
Primary Role	Individual
Location	Perundurai, Erode Dist
Environment	RIDE C
Project Description	Electricity Board Prepaid Card is the type of design can be implemented in every home and factories. The currently existing method for monitoring the electricity consumption involves a lengthy process of assigning. The method employed here is very simple and less expensive method of using and with intelligence of the microcontroller programming. Atmel 89C51 is the microcontroller used in this project and it is programmed using the Raisonance’s IDE (RIDE).
Responsibilities	Total Project hardware and software design.

Project Title 2	Micro Oven Thermo Protection System
Duration	November 2007 to January 2008
Primary Role	Individual
Location	Namakkal
Environment	RIDE C

Project Title 2	Micro Oven Thermo Protection System
Project Description	Micro wave oven thermo protection system is the basic idea of thermal regulation in the automatic cooking system. The method involved here is very simple and less expensive method of using and with intelligence of the microcontroller programming. Atmel 89C51 is the microcontroller used in this project and it is programmed using the Raisonance's IDE (RIDE).
Responsibilities	Total Project hardware and software design.

PERSONAL DETAILS

Father's Name : Mr.P.Lawrance
Mother's Name : Mrs.L.Navamani
Date of Birth : 24.04.1982
Languages Known : Tamil, English
Marital Status : Married
Nationality : Indian

DECLARATION

I hereby declare that the above particulars given by me are true to my knowledge.

Place: Tiruchengode

Date :

Signature,



(L.Arunraja)