

NIRMALA COLLEGE FOR WOMEN (AUTONOMOUS)

COIMBATORE

STAFF PROFILE

NAME : Dr. R. Amutha
DESIGNATION : Assistant Professor
DEPARTMENT : PHYSICS
QUALIFICATION : M.Sc., Ph.D
EXPERIENCE : 18 Years 8 Months
AREAS OF SPECIALIZATION : Thin Film Technology
E-MAIL : amutha.phd@gmail.com
ACADEMIC QUALIFICATIONS :

| DEGREE | YEAR OF COMPLETION | NAME OF THE INSTITUTION | CLASS |
|---------------|---------------------------|--|------------------|
| Ph.D,s | 2007 | Kongunadu Arts and Science College, Coimbatore-29. | Highly Commented |
| M.Sc | 2001 | Kongunadu Arts and Science College, Coimbatore-29. | I |
| B.Sc | 1999 | Maharaja Arts and Science College for Women, Perundurai. | I |

RESEARCH PUBLICATIONS:

INTERNATIONAL:

- [1] **R.Amutha**, T.R.SureshKumar, “Studies on Thermally Evaporated p-ZnTe/n-CdSe Heterojunction Diodes”, Indian Journal of Natural Sciences 16 (90) (2025) 94853-94858.
- [2] **R.Amutha**, T.R.SureshKumar, K.Mohammed Shafi, “Effect of Thickness on Optical and Photoconduction properties of Zinc Telluride thin films”, Indian Journal of Natural Sciences, 14 (81) (2023) 64756 - 64761
- [3] **R.Amutha**, T.R.SureshKumar, “Influence of thickness on DC conduction studies of vacuum evaporated ZnTe thin films”, Materials Today Proceedings, 68 (2022) 636-639.

- [4] **R.Amutha**, “Effect of copper on composition, structural and optical properties of copper doped ZnTe thin films”, *Advanced Materials Letters*, 4(3) (2013) 225-229.
- [5] **R.Amutha**, A.Subbarayan and R.Sathayamoorthy, “Influence of substrate temperature on structure and optical properties of ZnTe thin films”, *Crystal Research and Technology*, (2006) 41(12), 1174-1179.
- [6] **R.Amutha**, A.Subbarayan, R.Sathyamoorthy, K.Natarajan, P.J.Sebastianand S.Velumani, “Conduction mechanism in thermally evaporated ZnTe thin films”, *Journal of New Materials for Electrochemical System*, (2007) 10 (1), 27-32.
- [7] **R.Amutha**, A.Subbarayan and R.Sathayamoorthy, “Structural properties of evaporated ZnTe thin films”, *Acta Ciencia Indica*, (2006) 32(1-4), 445-450.

PRESENTATIONS IN CONFERENCE:

INTERNATIONAL:

- [1] Festivals and Ritual Practices Recording in Classical Tamil Poems, **R. Amutha**, International Conference on Contribution of Science to the Development of Tamil Literature, 13 February 2026, JNRM Govt. College, Andaman.
- [2] Astronomy in Ancient Tamil Works: A Cultural and Literary Study, **R. Amutha**, International Conference on Contribution of Science to the Development of Tamil Literature, 13 February 2026, JNRM Govt. College, Andaman.
- [3] Structural properties of silver – doped thermally evaporated ZnTe thin films, **R. Amutha**, T.R. Suresh Kumar, 3rd International Conference on Advanced Functional Materials, 17-19 October 2024, Department of Physics, Sri Sivasubramaniya Nadar College of Engineering, Chennai.
- [4] Sustainable Enhancement in Waste Water Treatment with Thin Films, **R. Amutha**, International Conference on Women’s Equality, Protection and Empowerment, 24-26 August 2024 Nirmala College for Women, Coimbatore
- [5] Studies on Thermally Evaporated p-ZnTe/n-CdSe heterojunction diodes, **R. Amutha**, T.R. Suresh Kumar, International Conference on Advanced Materials for Clean Energy and Health Applications, 19&20 September 2023, Coimbatore Institute of Technology, Coimbatore.
- [6] Influence of thickness on optical and photoconductive properties of zinc telluride, **R. Amutha**, T.R. Suresh Kumar, International conference on Contemporary Approaches in Sciences and Humanities: Future Prospects, February 2&3, 2023, Nirmala College for Women, Coimbatore.

- [7] Influence of thickness on DC conduction studies of vacuum evaporated ZnTe thin film, **R. Amutha**, T.R. Suresh Kumar, International Conference on Advanced Materials, February 11&12, 2022, St Joseph's College, Tiruchirappalli.
- [8] Structural and Optical Characterization of Poly Methyl Methacrylate (PMMA) thin films, **R. Amutha**, Two days International Conference on New Frontiers in Research: Challenges and International Conference on Perspectives in Vibrational Spectroscopy), February 24-28, Mascot Hotel, Innovations, February 9&10, 2022, Nirmala College for Women, Coimbatore.
- [9] Optical studies on copper layered ZnTe thin films, **R. Amutha**, T.R. Suresh Kumar, Second International Conference on Perspectives in Vibrational Spectroscopy, February 24-24, 2012, Mascot Hotel, Trivandrum, Kerala
- [10] FTIR Studies on Diseased Renal and Normal Blood Samples, **R. Amutha**, T.R. Suresh Kumar, Second International Conference on Perspectives in Vibrational Spectroscopy, February 24-28, 2012, Mascot Hotel, Trivandrum, Kerala.
- [11] Influence of copper on structure and transport properties of ZnTe thin films, **R. Amutha**, T.R. Suresh Kumar, accepted for Second International Conference on Perspectives in Vibrational Spectroscopy, February 24-28, 2012, Mascot Hotel, Trivandrum, Kerala.
- [12] Formation and characterization of copper layered ZnTe thin films, **R. Amutha**, A. Subbarayan and R. Sathayamoorthy, Third International Conference on Ionic Devices, December 7-9, 2006, Anna University, Chennai, India.
- [13] Influence of substrate temperature on structure and optical properties of ZnTe thin films, **R. Amutha**, A. Subbarayan and R. Sathyamoorthy, International conference on perspectives in Vibrational Spectroscopy, Feb. 25-28, 2006, Meerut College, Meerut.
- [14] Structural properties of evaporated ZnTe thin films, **R. Amutha**, A. Subbarayan and R. Sathyamoorthy, International conference on perspectives in Vibrational Spectroscopy, Feb. 25-28, 2006, Meerut College, Meerut.
- [15] Structural and optical characterization of ZnTe thin films, **R. Amutha**, A. Subbarayan, R. Sathyamoorthy and K. Natarajan, International symposium on functional materials (ISFM 2005), Dec. 6-8, 2005, Kuala Lumpur, Malaysia.
- [16] Structural and DC conduction studies on ZnTe thin films, **R. Amutha**, A. Subbarayan, R. Sathyamoorthy, K. Natarajan, P. J. Sebastian and S. Velumani, XIV International Materials Research Congress, August 21 – 25, 2005, Cancun, Mexico.
- [17] Conduction mechanism in thermally evaporated ZnTe thin films, **R. Amutha**, A. Subbarayan, R. Sathayamoorthy, K. Natarajan, P. J. Sebastian and S. Velumani,

International symposium on solar-hydrogen-fuel cells-8 (International materials research congress 2004) 22-26, Cancun. Mexico.

- [18] Temperature dependence of structure and optical studies on vacuum evaporated ZnTe thin films, **R.Amutha**, A.Subbarayan, R.Sathyamoorthy and K.Natarajan, International symposium on Solar Cells & Solar Energy Materials, Cancun, Mexico, 22-26 August 2004.
- [19] Structural, Optical and Conduction Studies of ZnTe thin Films, **R.Amutha**, A.Subbarayan, R.Sathyamoorthy and K.Natarajan, Symposium VII Materials characterization Techniques and Nanotechnology, Mexico, August 26-30, 2003.

NATIONAL:

- [1] Influence of thickness, substrate temperature and copper on optical studies of ZnTe thin films, T.R. Suresh Kumar, and **R. Amutha**, National Conference on the Emerging Trends in the Photovoltaic Energy Generation and Utilization, March 27-29, 2008, Indian Institute of Technology, Kanpur.
- [2] Optical properties of thermally evaporated copper layered ZnTe thin films, **R.Amutha**, T.R. Suresh Kumar, National conference on advanced materials, devices and technologies, February 22-28, 2008, Department of Physics, Sri Venkateswara University, Tirupati.
- [3] Formation and characterization of thermally evaporated ZnTe/CdSe heterojunction diode, **R.Amutha**, A.Subbarayan and R.Sathyamoorthy, National Seminar on Optoelectronic Phenomena, 10-12 August 2007, St.Aloysius College, Edathua, Alappuzha.
- [4] Electrical resistivity of thermally evaporated copper layered ZnTe thin films, **R.Amutha**, A.Subbarayan and R.Sathyamoorthy, National Conference on Smart Materials and Recent Technologies, Feb. 22-23, 2007, Department of Physics, Sri Venkateswara University, Tirupati.
- [5] Structural and optical characterization of silver layered ZnTe thin films, **R.Amutha**, A.Subbarayan and R.Sathyamoorthy, National Conference on Smart Materials and Recent Technologies, Feb. 22-23, 2007, Department of Physics, Sri Venkateswara University, Tirupati.
- [6] Structural and optical characterization of Pure and Copper doped ZnTe thin films, **R.Amutha**, A.Subbarayan and R.Sathyamoorthy, National Conference on Subtle

World of Physics (SWOP 2006), 9th Feb. 2006, Department of Physics, Vivekanandha College of Arts and Sciences for Women, Tiruchengode.

- [7] Conduction Mechanism in Thermally Evaporated ZnTe Thin Films, **R.Amutha**, A.Subbarayan, R.Sathyamoorthy and K.Natarajan, National Conference on Emerging Materials and Technologies , Department of Physics, Sri Venkateswara University, Tirupati. 3-4, Aug. 2004.
- [8] Thickness Dependence of Structural and Optical Studies on Thermally Evaporated ZnTe thin Films, **R.Amutha**, A.Subbarayan, R.Sathyamoorthy and K. Natarajan, Materials for the Future, Bangalore March 22&23rd, 2004.
- [9] Temperature dependence of Structural and A.C. conduction studies of vacuum evaporated ZnTe thin films S. Saravanakumar, **R.Amutha**, A.Subbarayan, R.Sathyamoorthy and K. Natarajan, National Seminar on Emerging Trends in Molecular Physics, Annamalai University, Chidambaram, March 8&9th, 2004.
- [10] Characterization of vacuum deposited ZnTe thin films by XRD, SEM and D.C. Conduction **R.Amutha**, A.Subbarayan, R.Sathyamoorthy and K. Natarajan, National Seminar on Emerging Trends in Molecular Physics, Annamalai University, Chidambaram, March 8&9th, 2004.
- [11] Dielectric Studies of Vacuum Deposited ZnTe Thin Films, **R.Amutha**, A.Subbarayan and R.Sathyamoorthy, Eleventh National convention of Electrochemists, Bishop Heber college, Tiruchirappalli, Dec. 26&27th, 2003.
- [12] Structural and DC conduction studies of dip coated hydrazinium benzoate thin films, **R.Amutha**, A.Subbarayan, R.Sathyamoorthy and K.Natarajan, National conference on Recent advances in materials science, Tiruchirappalli, 11-12, Dec. 2002.
- [13] Structural and optical studies of solution grown hydrazinium benzoate thin films, **R.Amutha**, A.Subbarayan, R.Sathyamoorthy and K.Natarajan, National seminar on Recent Trends in Optoelectronic materials and devices, Tirupati, 21-22 Nov.2002.

PARTICIPATION IN CONFERENCES:

- [1] International Conference on Contribution of Science to the Development of Tamil Literature, 13 February 2026, JNRM Govt. College, **Andaman**.
- [2] International Conference on Advanced Functional Materials, 17-19 October 2024, Department of Physics, Sri Sivasubramaniya Nadar College of Engineering, **Chennai**.

- [3] International Conference on Women's Equality, Protection and Empowerment, 24-26 August 2024, Nirmala College for Women, **Coimbatore**.
- [4] International Conference on Advanced Materials for Clean Energy and Health Applications, 19&20 September 2023, Coimbatore Institute of Technology, **Coimbatore**.
- [5] International conference on Contemporary Approaches in Sciences and Humanities: Future Prospects, February 2&3, 2023, Nirmala College for Women, **Coimbatore**.
- [6] International Conference on Advanced Materials, February 11&12, 2022, St Joseph's College, **Tiruchirappalli**.
- [7] Two days International Conference on New Frontiers in Research: Challenges and International Conference on Perspectives in Vibrational Spectroscopy), February 24-28, Mascot Hotel, Innovations, February 9&10, 2022, Nirmala College for Women, **Coimbatore**.
- [8] Two days International Virtual Conference on Wearable Technologies and applications: Emerging Trends and Innovation held on 26th and 27th June 2020, VIT, **Vellore**.
- [9] International conference on molecular spectroscopy of advanced materials and biomolecules, 7-9, August, 2012, Bishop Moore college Mavelikara, **Kerala**.
- [10] Second International conference on perspectives in vibrational spectroscopy, February 24-28, 2008, organized by Department of Physics, Mar Ivanios College, University of Kerala and Kerala State Council for Science, Technology and Environment, Trivandrum, **Kerala**.
- [11] National symposium on acoustics, December 5-7, 2007, organized by KSR College of Technology & Acoustical Society of India, **Tiruchengode**.
- [12] National conference on recent advances in vibrational spectroscopy, January 29-30, 2007, organized by Department of Physics, Periyar University, **Salem**.
- [13] Third International conference on Ionic Devices, Dec. 7-9, 2006, organized by Society of Ionic Devices and Dept. of Physics and Anna University, **Chennai**.
- [14] International conference on perspectives in vibrational spectroscopy, Feb. 25-28, 2006, held in the Department of Physics, Meerut College, **Meerut**.
- [15] National conference on Subtle World of Physics, 9th Feb. 2006 organized by Department of Physics, Vivekanandha College of Arts and Sciences for Women, **Tiruchengode**.
- [16] National conference on emerging materials and technologies, 3rd& 4th, August 2004 at Department of Physics, Sri Venkateswara University, **Tirupati**.

[17] Materials for the Future, March 22&23, 2004, organized by Materials Research Centre, Indian Institute of Science, **Bangalore**.

[18] Eleventh national convention of electrochemists, Dec. 26-27, 2003, organized by Central Electrochemical Research Institute Karaikudi and Bishop Heber College, **Tiruchirapalli**.

[19] National conference on recent advances in materials science, Dec. 11-12, 2002, organized by PG & Research Department of Applied Physics, Nehru Memorial College, **Puthanampatti**.

[20] National symposium on instrumentation, Dec. 2002, conducted by Department of Physics, Bharathiar University, **Coimbatore**.

National conference on thin film techniques and applications, Feb. 1&2, 2002, Organized by department of Physics, PSG College of Arts & Science, **Coimbatore**.

PARTICIPATION IN SEMINARS:

[1] National Seminar on Smart Research Practices: AI, Online Tools and Zotero for academicians, 10th December 2025, PG and Research Department of Library and Information Science and IQAC, Nirmala College for Women, Coimbatore.

[2] International Seminar on the Role of Higher Education in Fostering Global Citizenship, 10th September 2025 School of Management, Nirmala College for Women, Coimbatore.

[3] Seminar on Empowering Educators for Tomorrow, 29th June 2024, IQAC, Nirmala College for Women, Coimbatore

[4] One day state level seminar on recent developments in advanced materials and its applications, August 12, 2011, organized by Department of physics, Mahendra Engineering college, Namakkal.

[5] National seminar on emerging trends in molecular Physics, March 8&9, 2004, organized by Department of Physics, Annamalai University, Annamalainagar.

[6] National seminar on recent trends in optoelectronic materials and devices, Nov. 21-22, 2002, organized by Department of Physics, Sri Venkateswara University, Tirupati.

PARTICIPATION IN WORKSHOPS:

[1] One day National level e- Workshop for Faculty on Building a Strong Academic Profile for career Advancement on 10th March 2025.

- [2] National level Faculty Workshop on Green Computing: Sustainability Through Information Technology on 19th November 2024, ACT Academy, Kerala.
- [3] Three days National online Workshop on research Project Proposal Writing and Report Writing, On 18—20 October 2023, Hi Learn Edutech Institute, Karnataka.
- [4] Workshop on Prototype design and Development – IIC, organized by Department of Physics and Institution's Innovation Council on 20th May 2023, Nirmala College for Women, Coimbatore.
- [5] Two Workshop on Recent Trends in Breath Analysis Techniques for Healthcare Applications, organized by Vellore Institute of Technology in collaboration with University of Texas at Dallas under the scheme for promotion of Academic and Research Collaboration during 21-22 January 2022, VIT, Vellore.
- [6] Workshop on Thin film deposition and device fabrication during 7th – 9th January 2022, VIT, Vellore.
- [7] Workshop on Online Submission of Data towards NAAC – an Overview, 23rd September, IQAC, Nirmala College for Women, Coimbatore.
- [8] Workshop on Best Practices in Teaching, Learning and Evaluation on 30th July 2021, organized by the IQAC, Nirmala College for Women, Coimbatore.
- [9] One week FDP workshop on e- content skill development, 14-19 June 2021, Department of Mathematics, Nirmala College for Women, Coimbatore.
- [10] 3 Day Virtual Workshop on Development of Swayam MOOCs, organized by Bharathiar Univeresity and Maicutic Consultant Pvt Ltd.
- [11] Workshop on Innovative Eco- Systems, Incubation Centres and Start-Ups for Higher Education Institutions, on March 19th, 2020 at Nirmala College for Women, Coimbatore.
- [12] Workshop on Revised Guidelines for the Accreditation Process of NAAC on March 7th, 2020, Nirmala College for Women, Coimbatore.
- [13] Workshop on Intellectual Property Rights, Patent and Copyrights, February 2nd, 2019, Nirmala College for Women, Coimbatore.
- [14] Workshop on Outcome Based Education on June 22nd and 23rd 2018, organized by IQAC Nirmala College for Women, Coimbatore
- [15] Two days National Level Workshop on NANO MATERIALS NANO MAT-2012 on September 28-29, 2012, Organized by Department of Mechanical Engineering, Selvam College of Technology, Namakkal.

- [16] Workshop on “Physics with Homemade Equipment and Innovative Experiments” (PHOENIX) held on October 10th, 2007, jointly organized by Inter University Accelerator Centre, New Delhi and Department of Physics, Kongunadu Arts and Science College, Coimbatore.
- [17] Workshop on “Advanced Engineering Materials”, February 14-15, 2007, organized by Department of Physics, Government College of Engineering, Salem.
- [18] State level workshop on “Science Research Methodology”, August 30-31, 2006, organized by School of Physical Science, Mahendra Arts and Science College, Kalippatti.
- [19] Human Resource Development Intervention – Facilitating Excellence in Effective Leadership Teacher, June 16-18, 2006 at Mahendra Engineering College, Tiruchengode.
- [20] Ph.D Teaching Programme on “Energy Loss of MeV Ions in Solids & Programming Techniques”, July 28th – Aug.18th, 2003, conducted by Nuclear Science Centre (NSC), New Delhi.

PARTICIPATION IN ORIENTATION PROGRAMME/ INDUCTION PROGRAMME/ SHORT TERM COURSES:

- [1] NEP Orientation and Sensitization Programme, UGC – Malaviya Mission Teacher Centre, a Centre of UGC & Ministry of Education, 18-28 June 2024.
- [2] Faculty Orientation Programme on Together We Achieve, Nirmala College for Women, Coimbatore, 14th June 2024.
- [3] Refresher Course in Physics conducted by UGC HRDC-Bharathiar University from 06.12.2023 to 19.12.2023.
- [4] International Online Short Term Course on Recent Applications of Polymers” Organized by Department of Microbiology, Alagappa University, Karaikudi-630 003 from 03-05-2021 to 05-05-2021.
- [5] Short – Term Course on “Journey from Semiconductor Physics to Smart Devices to Intelligent Automation” through online mode, jointly organized by National Institute of Technology Srinagar and Semiconductor Society of India from, 1st May – 5th May, 2021.
- [6] Orientation programme on Human energy management” Organized Department of Chemistry, Nirmala College for Women, Coimbatore on 27.05.2020.

- [7] Refresher Course in Physics conducted by UGC-Human Resource Development Centre, Bharathiar University held from 22.01.2020 – 04.02.2020.
- [8] Orientation programme conducted by UGC-Human Resource Development Centre, Bharathiar University held from 10.05.2017 – 06.06.2017.

PARTICIPATION IN FACULTY DEVELOPMENT PROGRAMMES:

- [1] International Faculty Development Program on Recent Trends and Innovations in Material Science, Department of Engineering Physics, KPR Institute of Engineering and Technology, 25- 29 August 2025.
- [2] Faculty Development Program on Institutional Preparedness for the New Accreditation Framework, 19th August 2025, IQAC, Nirmala College for Women.
- [3] Faculty Enrichment Program on Inclusive Didactics for the 21st Century: Integrating Nextgen Teaching Tools, 13th August 2025, IQAC, Nirmala College for Women.
- [4] Faculty Development Program on Environment Friendly Solid State Lighting on 3rd July 2025, Kongunadu Arts and Science College, Coimbatore.
- [5] Faculty Development Program on Exploring Ethical Hacking Tools, 27th January 2025, Department of Computer Applications, Nirmala College for Women.
- [6] Faculty Development Program on Internet of Things, 30th November 2024, Department of Information Technology, Nirmala College for Women in Collaboration with Ddidyu Technologies Pvt Ltd., Coimbatore.
- [7] Faculty Enrichment Program on Learning Outcome Based Curriculum Framework in the Context of NEP on 4th December 2024, IQAC, Nirmala College for Women.
- [8] One Week Faculty Development Program on Recent Advances in Functional Materials and Characterizations, 25 – 30 November 2024, Department of Physics, SR Institute of Science and Technology, Ramapuram, Chennai.
- [9] Online Faculty Development Program on Adapting to AI Driven Industry, 9-13 September 2024, P.G. Department of Computer Science, Rajapalayam Rajus College in Association with ECRIO INC, USA.
- [10] Professional Development Program on AI Tools for Higher Education: Possibilities and Challenges, 18th June 2024, Nirmala College for Women, Coimbatore.
- [11] Faculty Development Program on Together We Achieve, 14th June 2024, Nirmala College for Women, Coimbatore.

- [12] Faculty Development Program ON NAAAC Accreditation – Adapting to the Dynamic Landscape, 13th June 2024, IQAC, Nirmala College for Women, Coimbatore.
- [13] Faculty Development Program on Intellectual Property Rights and Patents, 20-24 May 2024, Research Foundation of India and RFI – CARE.
- [14] 7 days Training Program / Faculty Development Program on Practical Aspects of ICT Tools and online Teaching in Current Scenario, 29th May 2024 – 4th June 2024, Department of IT Dr.M.G.R Educational and Research Institute, Chennai.
- [15] Faculty Development Program – Workshop on Data Analytics on 7th October 2023.
- [16] Six day online Faculty Development Program on Recent Advances in Nanomaterials and Nanotechnology, organized by Department of Science and Humanities, 21-26 August 2023, Kalaignarkarunanidhi Institute of Technology, Coimbatore.
- [17] National Level Faculty Development Webinar on Microscopic Techniques for Materials Research, 11th November 2020, organized by Department of Physics, The Standard Fireworks Rajaratnam College for Women, Sivakasi.
- [18] Faculty Development Program on “Recent Advances in Smart Materials for Sensors and Energy Applications” organized by Departments of Physics, BMS Institute of Technology and Management from 06.07.2020 to 10.07.2020.
- [19] Faculty Development Program on “E- content making”. Organized by Servite Arts and Science College for Women, Karur, during 22.06.2020 to 26.06.2020.
- [20] Faculty Development Program on “ICT tools for effective teaching”. Organized by Department of Mathematics (SF), Nirmala College for Women, Coimbatore, Coimbatore, on 1.07.2020.
- [21] Faculty Development Program on “Trends in Teaching and Learning”. Organized by Department of Mathematics, Bishop Ambrose College, Coimbatore, during 26.05.2020 to 29.05.2020.
- [22] Faculty Development Program on “Statistical Mechanics”. Organized by Department of Physics, PSGR Krishnammal College for Women, Coimbatore, during 25.05.2020 to 29.05.2020.
- [23] Faculty Development Program on “Online Teaching Methods”. Organized by PG & Research Department of Mathematics, Nirmala College for Women, Coimbatore, during 20.05.2020 to 21.05.2020.
- [24] Faculty Development Program on “The Use of Virtual Physics Labs -Creating Next Generation Teachers”. Organized by Department of Freshman Engineering,

Geethanjali College of Engineering and Technology, Telangana in association with Indian Society for Technical Education (ISTE), during 20.05.2020 to 24.05.2020.

- [25] Faculty Development Program on “R Programming”. Organized by Department of Computer Science & Engineering, SKN Sinhgad College of Engineering, Korti, Pandharpur. during 30.04.2020 to 05.05.2020.
- [26] Faculty Development Program on “Moodle Learning Management System”. Organized by G. Venkataswamy Naidu College, Kovilpatti.during 30.04.2020 to 04.05.2020.
- [27] Faculty Development Program on “R Programming”. Organized by Kaamadhenu Arts and Science College, Sathyamangalam.Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India. during 26.04.2020 to 02.05.2020.
- [28] Virtual Faculty Development Program on “Recent Trends in Biomedical Engineering – Research Perspective”. Organized by Department of Biomedical Engineering, Dr. N.G.P. Institute of Technology, Coimbatore, MHRD - Institution's Innovation Council and AICTE - Industry Institute Partnership Cell during 26.04.2020 to 30.04.2020.

CONFERENCE/ SEMINAR/ WORKSHOP ORGANIZED:

- [1] Seminar on Applications of Nano-Science, Solar energy and Magnetic Materials” on 25.09.2019.
- [2] Seminar on “Modern trends in Optics and Communication Techniques” on 12.02.2019.
- [3] Seminar on “Recent trends in Solar Energy” on 28.11.2017.
- [4] Seminar on IYL(International Year of Light) on 09.10.2015.
- [5] National level Project contest “Mathematics and Science Innovative Project Contest-09” from 11th to 12th October 2009 at Mahendra College of Engineering, Salem.
- [6] National Seminar on “Nano Material Science and Technology” on 17.03.2008 at Mahendra College of Engineering, Salem.

INVITED SPEAKER/ SESSION CHAIR- CONFERENCE/ SEMINAR/ WORKSHOP:

- [1] Lecture on From Failure to Success: Scientists Who Never Gave Up, Under Meet the Scientist Program, Regional Science Centre, Coimbatore – 2302.2026.
- [2] Hands on Training on Digital Logic Circuits – Department of Information Technology –

Nirmala College for Women - 24.02.2023.

[3] Hands on Training on Digital Circuits – Department of Information Technology –
Nirmala College for Women - 05.04.2022.

[4] Physics in everyday Life – Department of Physics – St. Joseph's College for Women –
15.02.2019.

[5] A Two days National Level Workshop on NANO MATERIALS NANO MAT-2012 on
September 28-29, 2012, Organized by Department of Mechanical Engineering, Selvam
College of Technology, Namakkal.

BOOK PUBLICATIONS:

[1] Engineering Physics – II, ISBN No: 978-81-907757-1-7, Pranav Publication.

[2] Andrada Vaazhvin Ariviyalai Arinthiduvom, Copy Right: L-114262/2022, ISBN: 978-
93-5620-310-5.

[3] Question Bank On Heat and Thermodynamics: Your Study Companion, ISBN No: 9
788198 203007.

[4] Comprehensive Question Bank for Allied Physics, ISBN N: 978-93-341-9813-

[5] The Internet of Things: Integrating Technology into Everyday Life, ISBN No: 978 -
93 - 6228 - 429 -76, Protek Publications