

Department of Physics– AY 2025-26

Department Activities

Date format: 31-AUG-25

Guest Lecture / Invited Lecture

S. No.	Date	Name and Designation of the Resource Person	Topic
1	26-Feb-26	Dr. D. Ponraju, Former Director, Health & Safety Engineering Group, IGCAR - Kalpakkam.	Challenges in Development of Radiation Sensors and Opportunities in Department of Atomic Energy
2	06-Jan-26	Mr. Vigneshwaran R, Senior Technical Engineer, VI microsystems Pvt Ltd, Chennai	India's Semiconductor Race: Challenges and Opportunities
3	02- Jan-26	Dr. Aarathi Pradeep, Associate Professor, Department of Chemistry School of Physical Sciences, Amirtha Vishwa Vidyapeetham, Coimbatore	Application of biosensor in healthcare diagnostics with AI
4	31-Dec-25	Mr. Praveen Kumar Subramaniyan, Vessel Manager, Anglo - Eastern Ship Management Ltd, Hong Kong	The Science and Technology behind Marine Industry
5	17-Sep-25	Mr. Karthiganesh Durai, KwantumG Research Labs Pvt. Ltd., Bangalore	Step into the Quantum Future
6	30-Aug-25	Mr. P. Jayakumar, CEO & Co Founder - Rapid Future Technology Pvt. LTd., Coimbatore	PINN- Physics Informed Neural networks
7	23-Aug-25	1.Mr. R.S. Pradeep, Secretary, Kovai Astro Club and Project Director at App ViewX Inc. 2.Mr. Pugalendhi, Treasurer, Kovai Astro Club and Proprietor - Mr. Soda"	Indian Space Program – Ancient Wisdom to Infinite Possibilities

Seminar / Workshop / Conferences organized

S. No.	Date	Nature of the Event (Conference/ Seminar/ Workshop)	Title of the Event	Resource Person
1	26-Feb-26	Conference	National Conference on Convergence of Artificial Intelligence and Multidisciplinary Sciences for Sustainable Development.	1. Dr. V. Ganesh, Principal Scientist, CECRI, Karaikudi 2. Prof. N. Sukumar, Adjunct professor, Amritha Vishwa Vidyapeetham, Coimbatore
2	31-Dec-25	Workshop	Applications of Biosensors in healthcare diagnostics with AI	Dr. Aarathi Pradeep, Associate Professor/Chemistry Amirtha Vishwa Vidyapeetham, Coimbatore
3	15-Sep-25	Workshop	Industrial Embedded IoT	Mr. M.S. Venkatachalam Wizaard Systems, Coimbatore

Student Development Programme

S. No.	Date	Title	Resource Person
1			Nil

Faculty Professional Development Programme

S. No.	Date	Title	Resource Person
1			Nil

Alumni Interaction

S. No.	Date	Title	Alumni
1	03- Feb-26	Higher Education Opportunities for Physics Students	Mr. Chandru.B I M. Sc. Nanoscience and Technology Bharathiar University UG Alumni (Batch 2022-25)
2	24 -Feb-26	Skill development and workplace growth	Mr. S. Tharun Kumar, Batch UG 2016-19, Data Entry Operator, Tamil Nadu Police Kangeyam, Tirupur
3	13-Sep-25	The advent of AI and Drone Technology	Mr. Ajay K, UG Alumni - Batch 2022-25
4	31-Aug-25	Alumni Meet 2025 (Virtual mode)	All Alumni batches - UG and PG
5	22-Aug-25	Alumni Interaction on Journey to Space Research	Mr. P. Jawahar Raja, Doctoral Researcher & Astrophysicist, NCN Fellow, Space Research Centre of Polish Academy of Science, Warsaw, Poland.

Extension Activities

S. No.	Date	Nature of the extension	Place	Students involved
1	10-Jan-26	Safety: A Responsibility for All & Environmental Safety Through Tree Plantation, Hope Foundation - NGO	Panchayat Union Middle School Nehru Nagar	Hemarubini, Jesintha, Maheswari, Poornachandra, Divya – III UG Physics
2	17-Dec-25	Energy Literacy Awareness, with NGO - Sankara Selvalayam	Kottaipalayam	II UG Physics

Co-curricular Activities

S.No	Date	Name of the Event
1	24-Feb-26	VIGYAN 2026 – Inter department competitions
2	23-Feb-26	Magic of Science (In-house Physics Project Exhibition)
3	19-Feb-26 – 21-Feb -26	Visiting Professor Lecture on "Solid State Physics and its Importance"
4	03-Jan-26	Hands-on Electrical transformers and e-vehicles
5	16-Dec-25	Awareness of Energy Conservation Day
6	15-Dec-25	Hands on Training in Scientific communication by AI
7	13-Dec-25	Field trip to Salzer Electronics, Coimbatore
8	05-Dec-25	Hands on Arduino Training
9	24-Sep-25, 25-Sep-25	Visiting Professor Lecture on Solid State Physics
10	16-Sep-25 - 11-Oct-25	Student Skill Development Programme - SSDC - Python Programming
11	23-Aug-25	Inter Departmental Competition on India's space odyssey: Chandrayaan-III to Gaganyaan
12	25-Aug-25	Hands on Training in Telescope Handling

Other Activities

S. No.	Date	Title	Resource Person
1	28- Feb-26	National Science Day Celebration- Science and Technology for Sustainable Future	Dr. S. Balasundar, Former Scientist, IGCAR, Kalpakkam
2	27-Jan-26 & 28-Jan-26	Faculty Exchange Programme on Microprocessors architecture and Assembly Language	Dr. K. Sujatha, Assistant Professor Department of Physics Vellalar College for Women – Erode
3	29- Nov-25	Interschool STEAM Championship	In Association with Rapid Future Technology

4	23-Aug-25	"E-QUIZ COMPETITION on Aryabhata to Gaganyaan"	Department of Physics
5	5-Jun-25, 6-Jun-25 & 9-Jun-25	AI and Computational Studies in Teaching and Learning Process	1.Dr. A.S. Shanthi, Associate Professor/AI&DS, Dr. N.G.P.IT 2.Dr. I. Devi, Assistant Professor/AI&DS, Dr. N.G.P.IT 3.Ms. S. Biruntha, Assistant Professor/AI&DS, Dr. N.G.P.IT 4.Dr. N. Premkumar, Assistant Professor/AI&DS, Dr. N.G.P.IT 5.Dr. Rajapandian Varatharaj, Assistant Professor/Chemistry, SRMV CAS

Department Achievements

Awards and Prizes for Staff

S.No	Date	Name of the Staff	Name of the Award	Awarded by
1	20-Sep-25	Dr. R. Karunathan	Best Research Faculty Award	Environmental Solutions, Chennai, Tamil Nadu.

Staff Recognitions

S. No.	Date	Name of the Staff	Nature of Recognition	Organization / Institution
1			NIL	

Staff Participation

S. No.	Date	Name of the Staff	Event	Organization / Institution
1	16-Feb-26 to 20-Feb - 26	Dr. K. Girija, Mrs. R. Revathi,	FDP	E&ICT Academy, Dr.NGP IT

		Dr. R. Dilip, Dr. V. Gopalakrishnan		
2	12-Feb-26 to 14-Feb-26	Dr. K. Girija , Mrs. R. Revathi	National Conference	KSR College of Technology
3	19 – Jan – 26 to 25-Jan – 26	Dr. K. Girija	Workshop	Sri S Ramasamy Naidu Memorial College, Sattur in collaboration with Pondicherry University
4	19 – Jan – 26 to 24-Jan - 26	Dr. K. Girija, Mrs. R. Revathi, Dr. R. Dilip, Dr. V. Gopalakrishnan	Atal FDP	V. V. P. Engineering College
5	09-Jan – 26	Dr. K. Girija , Mrs. R. Revathi	Webinar	Karunya Institute of Technology and Sciences, Coimbatore
6	03-Nov-25 - 15-Nov-25	Mrs. R. Revathi	Refresher Course	MMTTC- NIT Warangal
7	25-Nov-25 -29-Nov-25	Dr. M. R. Ananthan	FDP	Karpagam Academy of Higher Education
8	19-Sep - 25 -20-Sep-25	Dr. R. Dilip	ANRF-Sponsored "National workshop on emerging application of computational materials science and structural analysis	PSG College of Arts and Science, Coimbatore.
9	15-Sep - 25 - 20-Sep - 25	Mrs. R. Revathi	FDP on Masters Digital Pedagogy- Tools, techniques and content creation strategies	Indra Ganesan Institutions
10	11-Sep-25 -12-Sep-25	Dr. R. Dilip	International Conference on modern functional	Sri Sai Ram Engineering College

			materials ICMFM-2025	
11	11-Sep-25 -12-Sep-25	Dr. J Martin Sam Gnanaraj	International Conference on modern functional materials ICMFM-2025	Sri Sai Ram Engineering College
12	11-Aug-25-16 -Aug-25	Dr. M. R. Ananthan	FDP on AI and ML Fundamentals	Nehru Institute of Technology
13	21-Jul-25 - 26-Jul-25	Dr. K. Girija	FDP on Smart and Sustainable Materials: Advances In Material Chemistry for Global Challenges - 2025	SRM Institute of Science and Technology

Staff Publication

S. No.	Name of the Faculty	Title	Journal Name	ISSN / ISBN No. Date of publishing Vol. No.	Impact Factor	SCI/WoS/UGC/ SSCI/Scopus
1	Dr. V. Gopala Krishnan	Calcination-driven phase evolution of YFeO ₃ nanostructures as a Bi-functional linking of supercapacitor and photocatalytic performance for sustainable energy and environmental applications	Environmental Research	1096-0953, 296 (2026)	7.7	Scopus
2	Dr. V. Gopala Krishnan	Dual-Functional PANI/CeO Nanocomposites for Enhanced ROS-Mediated Apoptosis in HCT-116 Human Colon Cancer Cells and Antibacterial Applications	Journal of Applied Polymer Science	0021-8995,143, (2026) 10	2.7	Scopus

3	Dr. M.R. Ananthan	Pollen-based screening of coconut (<i>Cocos nucifera</i> L.) varieties for high temperature and drought tolerance: Development of abiotic stress tolerant coconut varieties.	Plant Science Today	https://doi.org/10.14719/pst.10084	0.9	Scopus
4	Dr. R. Karunathan	High-performance cobalt-doped Bismuth Vanadate supercapacitor electrodes: Experimental validation and quantum capacitance analysis via density functional theory calculation	J. of Power sources	663 (2026) 238847	7.8	Scopus SCIE
5	Dr. K. Girija	Shape tunable synthesis of highly sensitive Ag/metal oxide nanostructures as SERS substrates for pesticide detection on surface of fruits and vegetables	Microchemical Journal	219 (2025) 116057	5.1	Scopus, SCIE
6	Dr. K. Girija	Development of Ag/cerium iron oxide nanostructured electrode material: an efficient electrochemical detection of tert-butylhydroquinone in food products	New Journal of Chemistry	49 (2025) 18784	2.5	Scopus
7	Dr. R. Karunathan	pH impact on bismuth vanadate nanomaterial: Photocatalyst and supercapacitor application	Ceramics International	51 (2025) 19	5.6	Scopus
8	Dr M.R. Ananthan	Leaf anatomy and identification of drought-tolerant Coconut (<i>Cocos nucifera</i> L.) varieties in Kerala, India	Plant Science Today	ISSN 2348-1900 (online) July 2025	1	Scopus
9	Dr. V. Gopala Krishnan	Enhanced photoconductivity in SnO ₂ -ZnS nanocomposites: nano-structural, optical, and electrical investigations	J Nanopart Res	1572-896X June – 2025 27-183, 1-16	2.8	Scopus, SCIE

Students Participation

S. No.	Date	Name of the Student(s)	Event	Organization / Institution	Prize won
1	Mar-26	Yamuna R- Ph.D Scholar	Dr. N.G.P. Research & Innovation Awards	Dr. N.G.P. Arts and Science College	Best Product Award
2	26-Feb-26	Iswarya R – III UG Physics	Debate	Kongunadu Arts and Science College	-
3	24-25-Feb-26	Gowtham Krishnan S, Hanshikaa S, Nobin P Jose, Abina WV, Kavyashree R- I PG Physics	Workshop- Advances in Quantum Mechanics and Spectroscopy Techniques for Versatile Application	Sri Ramakrishna Mission Vidyalaya College Arts and Science, Coimbatore.	-
4	13-Feb-26	Vishnu Vardhan J, Akshith AA- II UG Physics	The Last Act- Intercollegiate	PSGR Krishnammal College for Women	II Prize and Cash Award
5	9-Jan-26	Iswarya R, Sanjitha R- – III UG Physics	Webinar- Semiconductor technology: From classrooms to cutting edge careers	Online- Karunya University	-
6	10-Feb-26	Kishore R, Iswarya R, Abishankari, Purushothaman – III UG Physics	PSG CAS E League '26	PSG College of Arts and Science College, Coimbatore	-
7	Jan-Feb	Akshith AA, Vishnu Vardhan J- II UG Physics	Internship	Solar Observatory, Kodaikanal	
8	2-31-Jan-26	Abina, Kavyashree- I PG Physics	Internship	Mango Education	
9	15-Dec-25-03- Jan-26	Jesintha F – III UG Physics	Internship	Tamil Nadu Power Distribution and Corporation	-

10	22-Dec-25	Sri Hari V S - II PG Physics, Nobin - I PG Physics Barangiri, Thesmika, Mithra, Suvasthika – II UG Physics	Workshop	PSG College of Arts and Science College, Coimbatore	-
11	05-Dec-25	Sri Hari V S - II PG Physics	International workshop	Bharathidasan University, Tirchy	-
12	18-Jun-26- 26- Jun-26	Pavithra K – III UG Physics	NCC Camp	Army attachment, Wellington	-

Staff Presentation

S. No.	Date	Name of the Staff	Name of the Event	Title of Presentation	Organization / Institution
1	12-Feb-26	Dr. K. Girija	National Conference	Photocatalytic Performance of ZnO Nanoparticles for Environmental Remediation	KSR College of Technology
2	12-Feb-26	Mrs. R. Revathi	National Conference	Photocatalytic Performance of ZnO Nanoparticles for Environmental Remediation	KSR College of Technology
3	10-Oct-25	Dr. R. Dilip	International conference	Effect of surfactant (CTAB, n-Heptane and Tri-Sodium citrate) on Co doped BaFe ₂ O ₄ nanoparticles	Einstein Research Academy
4	11-Sep-25, 12-Sep-25	Mrs. R. Revathi	International conference	ZnO Nanoparticles: A Novel Approach to Environmental Remediation Through Photocatalysis	Sri Sai Ram Engineering College
5	11-Sep-25, 12-Sep-25	Dr. K. Girija	International conference	Hydrothermal Synthesis of Ag- doped LaFeO ₃ Perovskite for Electrochemical Detection of Uric acid	Sri Sai Ram Engineering College

Students Presentation

S.No	Date	Name of the Student	Name of the event	Title of Presentation	Organization / Institution
1	12-Feb-26	Eswari G	National Conference	Hydrothermal fabrication of Sm doped CeFeO ₃ perovskite nano particles with controlled morphology	KSR College of Technology
2	11-Sep-25, 12-Sep-25	Afrith. S	International conference	Passive demultiplexing of quantum-dot single-photon sources via sTPE	Sri Sai Ram Engineering College
3	11-Sep-25, 12-Sep-25	Anusuya	International conference	Compound Semiconductor (Synthesis of CMTS particles)	Sri Sai Ram Engineering College
4	11-Sep-25, 12-Sep-25	Hemarubini	International conference	Structural and optical studies of CMTS Nanoparticles for thin film solar cell applications	Sri Sai Ram Engineering College
5	11-Sep-25, 12-Sep-25	Jesintha	International conference	Cost effective Reduced Graphene Oxide synthesized from "Used Green Tea dust" for light driven Photocatalytic dye degradation	Sri Sai Ram Engineering College
6	11-Sep-25, 12-Sep-25	Sanjitha	International conference	INDIUM HYDROXIDE ceramic targets: A breakthrough in high mobility thin film	Sri Sai Ram Engineering College
7	11-Sep-25, 12-Sep-25	Pavithra	International conference	Light and carrier management in photovoltaic materials	Sri Sai Ram Engineering College
8	11-Sep-25, 12-Sep-25	Maheswari	International conference	Light Driven Photocatalysis for Reduced Graphene Oxide Synthesized from Dead Leaves of Azadirchta Indica for Agricultural Application	Sri Sai Ram Engineering College
9	11-Sep-25, 12-Sep-25	Sri Hari	International conference	Synthesis of Cost-effective Reduced Graphene Oxide synthesized from used Green Tea dust	Sri Sai Ram Engineering College
10	11-Sep-25, 12-Sep-25	Kishore	International conference	synthesis of copper halide perovskite oxide	Sri Sai Ram Engineering College

11	11-Sep-25, 12-Sep-25	Eswari	International conference	Material selection in Motor manufacturing	Sri Sai Ram Engineering College
12	11-Sep-25, 12-Sep-25	Swetha S	International conference	Light driven photocatalysis for reduced graphene oxide synthesized from dead leaves of azadirchta indica for agricultural application.	Sri Sai Ram Engineering College
13	11-Sep-25, 12-Sep-25	Poornachandra S	International conference	used tea dust- an environmental remediation catalytic material for the synthesis of cost effective rgo	Sri Sai Ram Engineering College
14	11-Sep-25, 12-Sep-25	Prasath	International conference	Hydrothermal synthesis of Ag doped LaFeO ₃ perovskite for electrochemistry of Uric acid	Sri Sai Ram Engineering College

S.No	Book / Book Chapters Publications	Date	Name of the Staff	Name of the Book	Name of the Publisher	Year of publication	ISBN
1	Book Chapter	2026	Mrs. R. Revathi	Artificial Intelligence and Computational Modeling in Heat Transfer and Fluid Dynamics	Scrivener Publishing	2026	978-139-426-993-8
2	Book	Nov- 2025	Dr. K. Girija	Characterization Techniques for Nano Materials: A Complete Guide	AkiNik Publications	2025	978-93-7150-526-0
3	Book Chapter	Nov 2025	Dr. K. Girija	Nanotechnology for Biological Applications: Recent Advances and Future Perspectives (Volume - 1)- Toxicity Evaluation of CeO ₂	AkiNik Publications	2025	978-93-7150-741-7

				Nanoparticles using Brine Shrimp: A Model Marine Organism			
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