

Department of Physics– AY 2024-25

Department Activities

Guest Lecture / Invited Lecture

S. No.	Date	Name and Designation of the Resource Person	Topic
1	28-Feb-25	1.Dr. S. Logeshkumar, Consultant- Expert Electronics, KV Industries, Greenerg Energy Solutions, Coimbatore 2. Dr M. Ulaganathan, Associate Professor, Dept of Physics, Amrtia Viswa vidyapeetham	National Science Day Guest Lecture
2	26-Dec-24	Dr. Ritendra (Ram) Sharma, Director, Centre for Indic Studies, Indus University, Ahmedabad, Gujarat	The Relevance of Indian Knowledge System in 21st Century
3	09-Oct-24	Dr. S.A. Ilangovan, Former Scientist, ISRO	Mimics of Materials for Aerospace
4	12-Sep-24	Dr. R. Chandrasekaran, Professor, Dept of Commerce Finance, Dr NGP ASC	Applied Physics concepts in analyzing stock market

Seminar / Workshop / Conferences organized

S. No.	Date	Nature of the Event (Conference/ Seminar/ Workshop)	Title of the Event	Resource Person
1	23-Dec-24 - 28-Dec-24	Workshop	Materials Science and Modelling	Dr P. Balraju, Associate Professor, CIT, Coimbatore Dr. B. Gokul, Assistant Professor, Kongunadu CAS

2	09-Aug-24	Workshop	Exploring the Cosmos: A Journey through Astronomy	Dr. Chrisphin Karthick, Scientist C, IIA- Bengaluru
3	31-Jul-24	Workshop	AI Tools for Budding Scientist	Dr. G. Angeline Prasanna, Professor, Department of Computer Science, Dr. N.G.P. Arts and Science College, Coimbatore

Student Development Programme

S. No.	Date	Title	Resource Person
1	21-Feb-25	Hands on training in Origin Software	Mr. V.M. Hariharan, PhD Scholar, Department of Physics, Dr. N.G.P. Arts and Science College
2	21-Jan-25	Basics of Python	Ms. Aswathi NV and Mr. Manu Mathai, II M.Sc. Physics
3	30-Dec-24	Learning reduction technique for medium resolution spectroscopic data obtained from Vainu Bappu observatory, Kavalur	Ms. V. Priyadharshini, II M.Sc. Physics
4	14-Oct-24	Manufacturing of Rubber products	Ms Mohana priya II M.Sc. Physics
5	25-Sep-24	Manufacturing and Calibration of Electrical and Electronic Horns and Electric Vehicles	Mr. Ajay K III B.Sc. Physics

6	30-Jul-24	Measuring Po and Bo value correction and differences in each latitude for KTT sun's image chart	Mr. B. Mohammed Roshan II M.Sc. Physics
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Faculty Professional Development Programme

S. No.	Date	Title	Resource Person
1	29-Oct-24	Quantum Computing	Dr. R. Karunathan
2	28-Oct-24	Internet of Things for Academic and Research Activities	Dr. R. Dilip
3	30-Dec-24	Transforming Trash into Treasure: Sustainable Synthesis of Reduced Graphene Oxide	Dr. Martin Sam Gnanraj

Alumni Interaction

S. No.	Date	Title	Alumni
1	14-Mar-25	System Application and Products (SAP) for Carrer Advancement	Ms. G. Cathrin (Batch:2020-2023), was a Student Council member
2	24-Jan-25	Career Opportunities in Physics	Mr. R. Sivaananthavela and Mr. K. Christopher Rozario, Managing Directors, INPHOENOX Edu- Tech, Coimbatore (Alumni Students 2016-2019 Batch)

3	10-Sep-24	Scopes in Law as A Profession	M.C.Kiruthika ,Karthik Shriram Advocate
4	17-Aug-24	Accenture Placement Training	Mr. Dinesh Kumar, Software Developer, Accenture, Bangalore

Extension Activities

S. No.	Date	Nature of the extension	Place	Students involved
1		Nil		

Co-curricular Activities

S.No	Date	Name of the Event
1	28-Mar-25	Endowment Lecture - SIR CV RAMAN ENDOWMENT LECTURE on Recent Advances in Science and Technology: A Materials Perspective
2	26-Feb-25 to 28-Feb-25	Science Day Celebration- Magic of Science (visited 6 schools)
3	25-Jan-25	Sky Watch - Planetary Alignment-2025
4	30-Dec-24 to 10-Jan- 25 15 -Oct-24 , 16-Oct-24	Vacc - Data Analytics International Conference - Smart NextGen Nanomaterials for Sustainable Development of Energy and Environment - An Interdisciplinary Approach
	27-Sep- 24	Industrial Visit - IISC Bangalore

Other Activities

S. No.	Date	Title	Resource Person
1	18-Sep-24	Competition on Ozone Day Awareness	Department of Physics
2	29-Aug-24	Interschool meet- for national space day	Department of Physics
3	23-Aug-24	Online Quiz- for national space day on Space exploration	Department of Physics
4	14-Aug-24	Project Exhibition, Inhouse - for national space day-Physics in action	Department of Physics

Department Achievements

Awards and Prizes for Staff

S.No	Date	Name of the Staff	Name of the Award	Awarded by
			NIL	

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	14 -Feb-25	Dr. K. Girija	one-Day National Level Seminar	Dr. N.G.P. Institute of Technology
2	06 to 11 -Jan-25	Dr. M. R. Ananthan	AICTE Training and Learning (ATAL) Academy Faculty Development Program on Nanomaterial's	JSS Science and Technology University
3	20 & 21 -Dec-24	Mrs. R. Revathi	International Conference on Innovative Horizons in Material Research: Growth, Characterization and Applications	SRM Institute of Science and Technology, Ramapuram Campus, Chennai
4	09 to 14 -Dec-24	Dr. R. Dilip	Six Days National Level FDP	Dr. SNS Rajalakshmi College of Arts & Science.
5	30 -Aug-24	Dr. J. Martin Sam Gnanaraj	Workshop	Avinashilingam Institute of Home Science and Higher Education for Women
6	8 & 9 -Jun-24	Dr. K.Girija	National Seminar	ABRSM, New Delhi

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. K. Girija	Critical Review on Multifunctional Nanostructure Based Electrochemical Immune sensors for Foodborne Pathogens	ACS Food Science & Technology	2692-1944 October 2024.	-	-
2	Dr R. Dilip	Enhance the efficiency of solar still by using Ai oxide nanoparticle upturn the productivity rate of distilled water.	Journal of Environmental Nanotechnology,	ISSN:2319-5541.	-	-
3	Dr. R. Karunathan	Quantum chemical, spectroscopic and third order nonlinear optical	Indian Journal of Chemistry	ISSN: 2583-1321.	-	-

		investigations on 3-(3-bromophenyl)-1-imidazol-1-yl-propenone				
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Students Participation

S. No.	Date	Name of the Student(s)	Event	Organization / Institution	Prize won
1	14 & 15- Feb-25	M. Ajay	National conference	Bon Secours College for Women	Best paper Award
2	15- Feb-25	Barangiri	Intercollegiate competition	PSG iTech Oxford College Coimbatore	III Prize in an Intercollegiate competition – AI Vs Human
3	15- Feb-25	Surya	Intercollegiate -Photography	Nandha Arts and science college.	I Prize with cash Rs.1000/-

Staff Presentation

S. No.	Date	Name of the Staff	Name of the Event	Title of Presentation	Organization / Institution
1	30 & 31 – Aug - 24	Mrs. R. Revathi	National conference	Eco-friendly synthesis of copper oxide nanoparticle using neem leaf extract	NCRTAST 2024 - PSG College of Arts and Science college on
2	5 & 6 -Sep - 24	Dr. K. Girija	International conference	Global Conference on Nano Connect 2024	Centre for Agricultural Nanotechnology, TNAU
3	3 to 8- Nov -24	Dr. K. Girija	International Conference	Shape controllable synthesis of parallelly arranged single-crystalline β -Ga ₂ O ₃ nanorods for photocatalytic and antimicrobial activities	Khalifa University, UAE
4	09 and 10 -Jan- 25	Dr. R. Dilip	National Conference	Identification of Paramount Ratio of Different Surfactant CTAB, n-Heptane and Tri sodium citrate on Structural, Magnetic and Dielectric Properties of Co doped BaFe ₂ O ₄ Nanoparticles	Sri Ramakrishna engineering college

5	09 and 10 -Jan-25	Dr. J. Martin Sam Gnanaraj	National conference	Cost effective reduced graphene oxide synthesized from used green tea dust for light driven Photocatalytic dye degradation	Sri Ramakrishna engineering college
6	14 & 15- Feb-25	Ms. R. Revathi	National Conference	Unlocking the power of Murraya Koenigii: Green Synthesis of Copper nano powders	Bon Secours College for Women
	27-Mar- 25	Dr. J. Martin Sam Gnanaraj	National Conference	Advanced material for clean energy and health application	University of Jaffna Sri Lanka

Students Presentation

S.No	Date	Name of the Student	Name of the event	Title of Presentation	Organization / Institution
1	21- Mar-25	Manu Mathai	National Conference	Synthesis of Cost-Effective Reduced Graphene Oxide by Utilizing Pongamia Pinnatta Dead Lead Leaves for Photocatalytic Dye Degradation and Agricultural Reuse	Pondicherry University
2	21- Mar-25	Priyadharshini V	National Conference	Waste Reduction and Metal Recovery from Alkaline Battery Waste	Pondicherry University
3	21- Mar-25	V Kiruthika	National Conference	Preparation of MoS ₂ by hydrothermal method for super capacitor application	Pondicherry University
4	21- Mar-25	Nivetha Sri B	National Conference	Perovskite Materials for Next Generation Solar Cells: Stability and Efficiency Challenges	Pondicherry University
5	21- Mar-25	Thrisha K	National Conference	Extraction of Manganese Oxide Nanoparticles from Alkaline Batteries: An Environmental Remediation Catalyst	Pondicherry University

Book / Book Chapters Publications

S.No	Date	Name of the Staff	Name of the Book	Name of the Publisher	Year of publication	ISBN
1	Nov-24	Dr. K. Girija	Nano Science and Technology Scientific Dictionary	AkiNik Publications	2024	978-93-6135-086-3
2	Mar-25	Dr. M R. Ananthan	Robotics and Applications	RK Research Group of Companies	2025	97899364922920