

DEPARTMENT OF PHYSICS
ACTIVITIES (2025-2026)
(Association meetings, Guest Lectures, Celebration of Important days)

S.No	Date	Topic	Resource Person (designation with complete official address)	Event	Platform
1	30.06.2025	Navigating Your Career Journey: Exciting Career Paths for Physics Graduates	Dr. M. Senthilkumar, Associate Professor in Physics & Dean, School of Arts and Natural Sciences, Joy University, Tirunelveli- 627116	Guest lecture	Offline
2	21.07.2025	Properties of Matter: Bridging Microscopic Interactions and Macroscopic Behaviour	Dr. V. G. Brindha, Assistant Professor, Department of Physics (S.F), PSG College of Arts and Science, Coimbatore – 14.	Guest lecture	Offline
3	31.07.2025	Dream Big, Start Small, Act Now	Ms. C. Rajasree, Assistant Professor, Department of English SF, Nirmala College for Women, Coimbatore-18.	Motivational talk	Offline
4	01.08.2025	Entrepreneurship unplugged: real stories, real strategies	Ms. J. Sherlin Infancia, Fashion Designer, Founder of ELVI School of Fashion, Coimbatore- 641 001	Guest lecture	Offline
5	28.08.2025	Personal and Professional Growth	Dr. N. Nithya, Placement Officer, Career Guidance and Placement Cell, Assistant Professor of MA HRM, Nirmala College for	Guest lecture	Offline

			Women, Coimbatore-18.		
6	22.09.2025	Basics of House Wiring: Practical Demonstration and Practice	Mr. S. P. Arul, Technical Head, Mighty Electronics Equipment's Corporation, Coimbatore	Workshop	Offline
7	25.09.2025	Research and innovation: A Student's Perspective	Dr. P. Matheswaran Assistant Professor Department of Physics Kongunadu Arts and Science College Coimbatore- 641 029	Seminar	Offline
8	7.10.2025	Practical Workshop on Servicing of Fans, Household Appliances, UPS and Inverter	Mr. S. Mathew, Service Engineer, Shri Riveraa Meditech, Peelamedu, Coimbatore	Workshop	Offline

State level Hands-on Training programmes Organized by the Department

S. No	DATE	TOPIC	RESOURCE PERSON	No. of Participants	Platform
1	26.08.2025	Exploring Physics Through Virtual Labs	Dr. W. Maria Therease Ramya, Assistant Professor, Department of Physics, Nirmala College for Women, Coimbatore-18.	26	Offline

ACTIVITIES RELATED TO FACULTY MEMBERS
FACULTY MEMBERS AWARDED Ph.D.,

S. N o	Name of the Staff	Date of Regn	Date of Viva-Voce	Title	Name of the Supervisor
1	Dr. W. Maria Therease Ramya	01.10.20 17	25.04.2025	Biodegradable Polymer based Hybrid Nanocomposite for flexible energy storage applications	Dr. K. Venkatachalam

FDP ATTENDED BY THE FACULTY

S.No	Date	Name of the faculty	Title	Organized by	Online/Offline
1	02.06.2025- 06.06.2025	Dr. W. Maria Therease Ramya	Outcome Based Education, Binary Accreditation and Usage of AI	IQAC, St. Mary's Centenary Degree College, Telangana	Online
2	02.06.2025- 06.06.2025	Ms. R. Leethiyal	Outcome Based Education, Binary Accreditation and Usage of AI	IQAC, St. Mary's Centenary Degree College, Telangana	Online
3	02.06.2025- 06.06.2025	Dr. S. Krishnaveni	Outcome Based Education, Binary Accreditation and Usage of AI	IQAC, St. Mary's Centenary Degree College, Telangana	Online
4	03.07.2025	Dr. R. Amutha	Environment friendly solid state Lighting	Department of Physics, Kongunadu Arts and Science College, Coimbatore	Online
5	03.07.2025	Dr. W. Maria Therease Ramya	Environment friendly solid state Lighting	Department of Physics, Kongunadu Arts and Science College, Coimbatore	Online

6	03.07.2025	Ms. R. Leethiyal	Environment friendly solid state Lighting	Department of Physics, Kongunadu Arts and Science College, Coimbatore	Online
7	03.07.2025	Mrs. A. Yuvarani	Environment friendly solid state Lighting	Department of Physics, Kongunadu Arts and Science College, Coimbatore	Online
8	03.07.2025	Dr. S. Krishnaveni	Environment friendly solid state Lighting	Department of Physics, Kongunadu Arts and Science College, Coimbatore	Online
9	13.08.2025	Dr. R. Amutha	Inclusive Didactics for the 21 st Century: Integrating Nextgen Teaching Tools	Internal Quality Assurance Cell, Nirmala College for Women	Offline
10	13.08.2025	Dr. W. Maria Therease Ramya	Inclusive Didactics for the 21 st Century: Integrating Nextgen Teaching Tools	Internal Quality Assurance Cell, Nirmala College for Women	Offline
10	13.08.2025	Mrs. A. Yuvarani	Inclusive Didactics for the 21 st Century: Integrating Nextgen Teaching Tools	Internal Quality Assurance Cell, Nirmala College for Women	Offline
11	13.08.2025	Ms. R. Leethiyal	Inclusive Didactics for the 21 st Century: Integrating Nextgen Teaching Tools	Internal Quality Assurance Cell, Nirmala College for Women	Offline
12	19.08.2025	Dr. R. Amutha	Institutional Preparedness for the new Accreditation Framework	Internal Quality Assurance Cell, Nirmala College for Women	Offline

13	19.08.2025	Ms. R. Leethiyal	Institutional Preparedness for the new Accreditation Framework	Internal Quality Assurance Cell, Nirmala College for Women	Offline
14	19.08.2025	Mrs. A. Yuvarani	Institutional Preparedness for the new Accreditation Framework	Internal Quality Assurance Cell, Nirmala College for Women	Offline
15	18.09.2025 to 23.09.2025	Dr. R. Amutha	Sustainable Materials and Advanced Research Technologies (SMART-2025)	PG and Research Department of Physics Sacred Heart College (Autonomous), Tirupattur	Online
16	18.09.2025 to 23.09.2025	Dr. W. Maria Therease Ramya	Sustainable Materials and Advanced Research Technologies (SMART-2025)	PG and Research Department of Physics Sacred Heart College (Autonomous), Tirupattur	Online
17	18.09.2025 to 23.09.2025	Dr. S. Krishnaveni	Sustainable Materials and Advanced Research Technologies (SMART-2025)	PG and Research Department of Physics Sacred Heart College (Autonomous), Tirupattur	Online
18	22.10.2025 to 29.10.2025	Dr. W. Maria Therease Ramya	Teaching Methodologies	Stella Matutina College of Education, Chennai and Nirmala College for Women, Coimbatore,	Online
19	22.10.2025 to 29.10.2025	Mrs. A. Yuvarani	Teaching Methodologies	Stella Matutina College of Education, Chennai and Nirmala College for Women, Coimbatore,	Online
20	22.10.2025 to 29.10.2025	Ms. R. Leethiyal	Teaching Methodologies	Stella Matutina College of Education, Chennai and Nirmala College for Women, Coimbatore,	Online

21	22.10.2025 to 29.10.2025	Dr. S. Krishnaveni	Teaching Methodologies	Stella Matutina College of Education, Chennai and Nirmala College for Women, Coimbatore,	Online
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PUBLICATION BY THE FACULTY IN INTERNATIONAL JOURNALS

S. N o	Mont h &Yea r	Name of the faculty	Topic	Name of the Journal	Vol No, Issue No, Pg No	ISSN	Impac t factor	Indexin g Details
1	June 2025	Dr. R. Amutha	Studies on Thermally Evaporated p-ZnTe/n-CdSe Heterojunction Diodes	Indian Journal of Natural Sciences	16,90 (2025)	0976 - 0997	3.078	Web of Science
2	June 2025	Ms. R. Leethiya 1	Eco-friendly Synthesis of TiO ₂ Nanoparticles from Azadirachta indica and Psidium guajava Leaves for Antibacterial and Dye Degradation Applications	International Journal For Multidisciplinary Research	Volum e 7, Issue 3	2582 - 2160	9.4	UGC Care
3	June 2025	Mrs. A. Yuvarani	Hydrothermal Assisted Green Synthesis of Zinc Oxide Nanostructures using Azadirachta indica Flower Extract and their	Journal of Environmental Nanotechnology	14, No 2 (2025) 105- 111	2279 - 0748	0.8	Scopus

			Antibacterial Activity					
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**PUBLICATIONS BY THE FACULTY
BOOKS PUBLISHED BY THE FACULTY**

S. No	Year	Name of the faculty	Name of the Book	IBBN/ISSN
1	2025	Dr. R. Amutha	The Internet of Things: Integrating Technology into Everyday Life	978-93-6228-429-76
2	2025	Dr. W. Maria Therese Ramya	Fundamentals of Electricity and Magnetism	978-81-9937-95-27
3	2025	Mrs. A. Yuvarani	Fundamentals of Allied Physics Part - I	978-81-9937-95-89
4	2025	Ms. R. Leethiyal	A Text Book of Electronics	978-81-9937-95-58
5	2025	Dr. S. Krishnaveni	Fundamentals of Allied Physics Part - II	978-81-9937-95-65

PATENT AND COPYRIGHTS APPLIED/RECEIVED BY THE FACULTY

PATENTS

S. No	Date	Name of the faculty	Title of the Patent	Application Number	Patent Status (Applied/Published/Granted)
1	25.07.2025	Dr. R. Amutha	Design of low power 8T SRAM cell using enhanced MCML technique	202541066968	Published

ONLINE COURSES COMPLETED BY THE FACULTY

S.No.	Name of the Staff	Name of the Course	Institution	Date of Completion
1	Dr. R. Amutha	Emergent phenomena in science and everyday life	Coursera	19.08.2025
2	Dr. R. Amutha	Introduction to Semiconductor Devices	Coursera	19.08.2025

ONLINE COURSES COMPLETED BY THE STUDENTS

SL.NO	NAME	NAME OF THE COURSE	COURSE CONDUCTED BY
1	R. Mahalakshmi	Basics for Students	Mongo DB

STUDENT'S PARTICIPATION IN SEMINARS

S. No	Date	Name of student	Topic	Name of the Seminar	Organizing Committee and platform	National/ International
1	23.09.2025	I, II, III B. Sc. Physics Students	From Atoms to Action: Nano Science for a Big Future	Meet the Scientist	Regional Science Centre, Coimbatore	National

EXTENSION ACTIVITIES OTHER EXTENSION ACTIVITIES OF THE DEPARTMENT

S. No.	DATE	ACTIVITY	PLACE	NO. OF BENEFICIARIES
1	23.08.2025	Olympiad in Mathematics, Chemistry and Physics on “Precise Energy”	Nirmala College for Women	80
2	23.09.2025	Field Visit	Regional Science Centre, Coimbatore	24
3	07.10.2025 to 08.10.2025	Educational Trip	Mangalore & Coorg	6
4	08.10.2025	Industrial Visit	Mighty Electronics Equipment's	10

			Corporation, Coimbatore	
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