



G. T. N. ARTS COLLEGE (AUTONOMOUS), DINDIGUL
DEPARTMENT OF PHYSICS

GLIMPSES OF DBT ACTIVITIES – ACADEMIC YEAR 2023-24

S.No	Type of Programme	Title of the Programme	No. of Prog.	Date
1	Invited Talk	Evolution of the Universe	1	13/09/2024
2	Field Visit	Field visit to Periyar Maniammai Institute of Science & Technology, Thanjavur	1	13/10/2023
3	Women Student Empowerment Program	Women Student Empowerment Program	1	30/04/2024
4	Hands-on Training / Lecture	DBT - Hands-on Training Programme on Micro and Nanoscale materials / Synthesis of Nanomaterials & Organic Crystals	2	01/11/2023
5	Guest Lecture & Hands-on Training	The Journey of Intense Light Pulse: Noble Theme	1	07/02/2024
6	Guest Lecture & Hands-on Training	IoT with Physics	1	12/02/2024
7	Guest Lecture	Mechanics : Kepler to Einstein / Quantum Mechanics (National Science Day Celebration)	1	01/03/2024
8	Workshop	Testing and Calibration of Electronic Instruments	1	04/03/2024
9	Awareness Program	Awareness Program on Electronic Waste Management and Life Cycle Assessment (LCA) / Coffee with Physics	1	04/03/2024
10	Guest Lecture & Demonstration	Synthesis of Nanomaterials / Demonstration of New Physics Experiments	2	05/03/2024
11	Guest Lecture / Session	Intellectual Property Rights (IPR) / Naturopathy and Yogic Science Session	2	06/03/2024
12	Workshop	Solar Energy Solutions / Solar PV Technologies	2	07/03/2024
13	Outreach Program	Experimental Learning of Science using Innovative Working Models	1	13/03/2024
14	Workshop	Cosmic Rays: Uncovering the Invisible Universe	1	15/03/2024
15	Summer Training	Fabrication of 7812, 7912, 7805 Dual and Fixed Power Supplies	1	18/03/2024
16	Field Visit	Observation of Sunspots and Solar Flares at Indian Institute of Astrophysics, Kodaikanal	1	19/03/2024
17	Field Visit	Educational Visit to Regional Science Center, Coimbatore	1	22/03/2024
18	Inter-Departmental Program & Guest Lecture	Troubleshooting of Electronic Gadgets	2	26/03/2024



The **Department of Physics** organized an invited talk on the "**Evolution of the Universe**" on **September 13, 2024**, featuring **Mr. U. Shanmugasundaram**, Retired Manager of the Central Bank of India, Chennai.



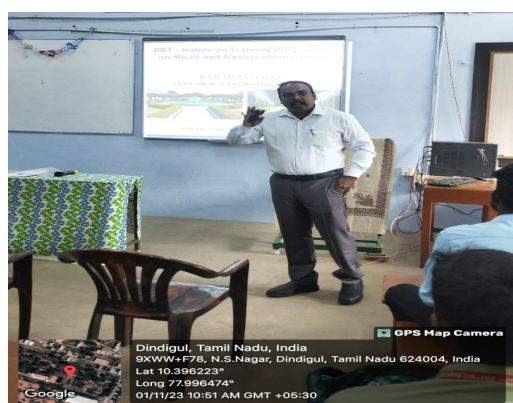
The field visit to Periyar Maniammai Institute of Science & Technology in Thanjavur on 13.10.2023



The Women Student Empowerment Program Dr. R. Rajammal, Associate Professor and Head of the Department of Physics at M.V. Muthiah Government Arts College for Women, Dindigul



Dr. P. Rajammal, Head of Physics at MVM Govt Arts College in Dindigul, provided an enriching hands-on training session on the synthesis of nanomaterials on 01.11.2023.



Dr. P. Rajesh, Assistant Professor at SSN Engineering College in Chennai, delivered a comprehensive lecture on the synthesis of organic crystals on 01.11.2023.



The guest lecturer and hands-on training program on "The Journey of Intense Light Pulse: Noble Theme," delivered by Dr.T.C. Sabari Girisun on 07.02.2024



Dr. Jeya Ruby, Assistant Professor, PMIST in Tanjore, intricately explores the fusion of "IoT with Physics," elucidating the synergistic interplay between these disciplines on 12.02.2024



Dr. A. Basherrudin Mahmud Ahmed's guest lecture on Quantum Mechanics offered an in-depth exploration of both fundamental and advanced concepts on 01.03.2024.



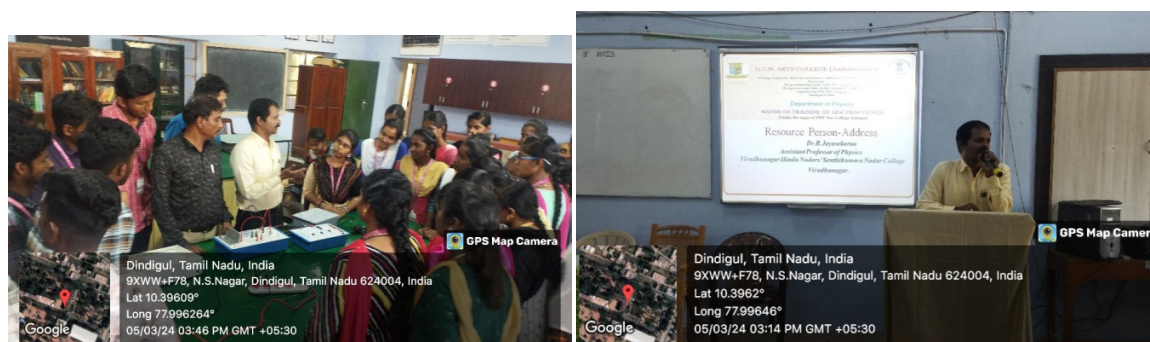
The Workshop on Testing and Calibration of Electronic Instruments, facilitated by Mr. A. Saravanan, provides participants with invaluable hands-on training on 04.03.2024 and expert guidance in ensuring the accuracy and reliability of laboratory equipment.



Dr. Rajamohan's "Awareness Program on Electronic Waste Management and Life Cycle Assessment (LCA)" proves transformative as it equips participants with crucial knowledge and practical tools to address the pressing issue of electronic waste (e-waste) on 04.03.2024.

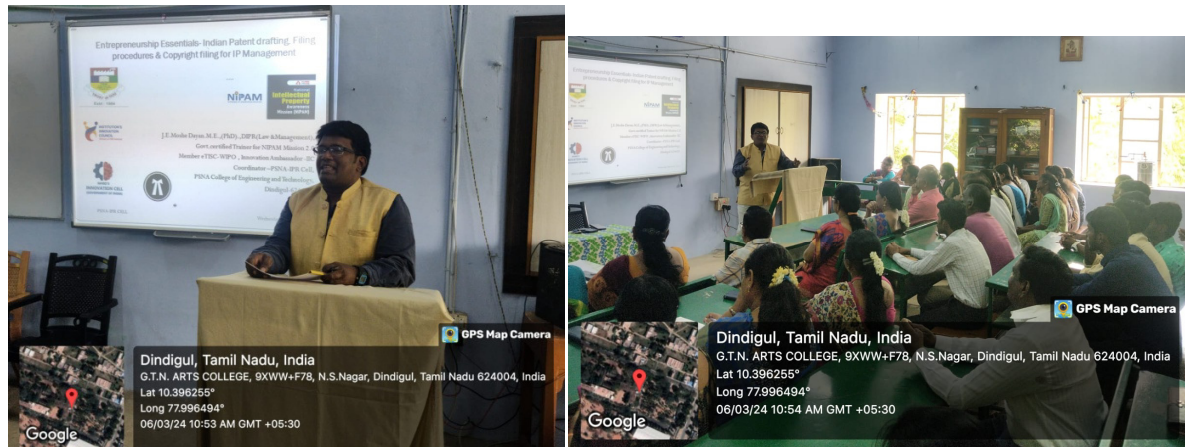


The Guest Lecture on Synthesis of Nanomaterials, hosted by Dr. P. Sundara Venkatesh, offers attendees a comprehensive insight into the cutting-edge techniques and applications of nanomaterial synthesis on 05.03.2024.

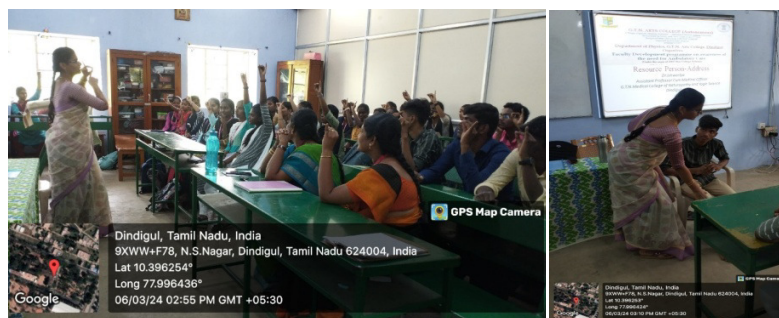


Dr. R. Jeyasekaran's session for third-year physics students focused on demonstrating new physics experiments and practical techniques. He introduced

innovative experimental setups and methodologies, enhancing students' hands-on learning experience on 05.03.2024.



J. Moshe Dayan serves as a faculty member in the Electrical and Electronics Engineering (EEE) Department and the Coordinator of the PSNA Intellectual Property Rights (IPR) Cell at PSNA College of Engineering and Technology in Dindigul on 06.03.2024.



Dr. M.S. Ishwariya, serving as an Assistant Professor Cum Medical Officer at G.T.N. Medical College of Naturopathy and Yogic Science in Dindigul, embodies a holistic approach to healthcare and education on 06.03.2024.

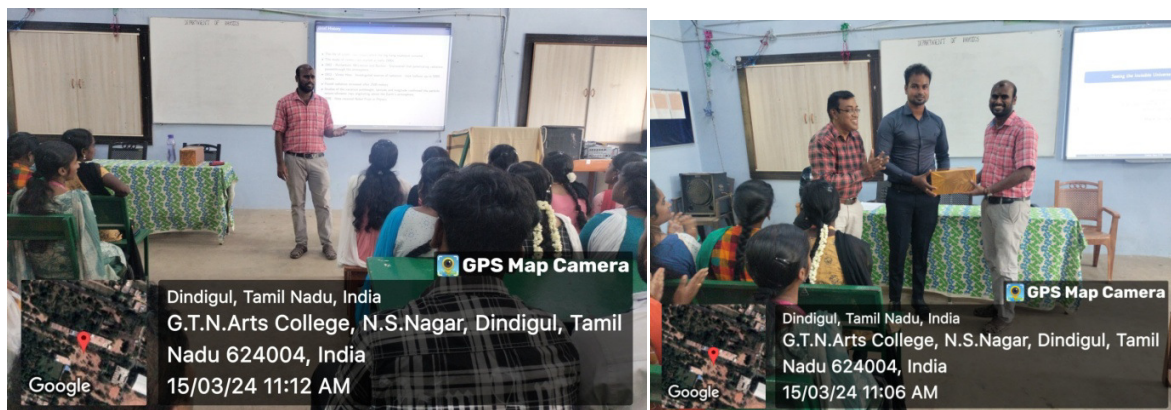


The workshop led by S. Sunil Gowthamraj, Solar Engineer in Dindigul, focuses on providing participants with practical insights and expertise in solar energy solutions on 07.03.2024.



The Workshop on Solar PV Technologies provides participants with a comprehensive understanding of solar energy principles and practical skills in system design and implementation on 07.03.2024 by Er. D. Kalai Selvi, M.E., Managing Director Selka Energy.

Dr. K. Giridharan's outreach program, "Experimental Learning of Science using Innovative Working Models," captivated school students and teachers with interactive demonstrations of cutting-edge scientific concepts on 13.03.2024.



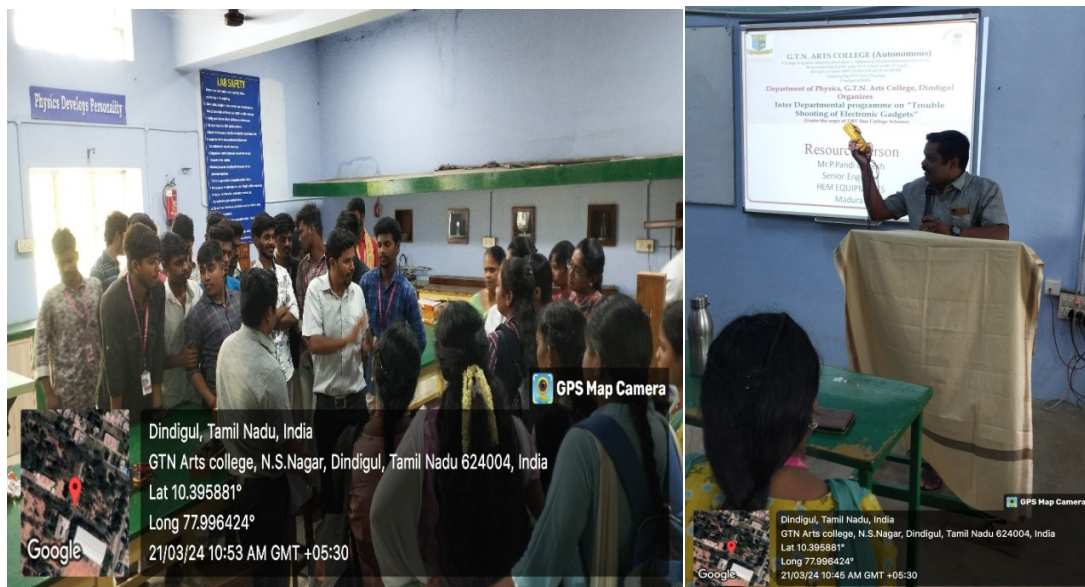
Explore cosmic rays with Dr. S. Pethuraj in a workshop highlighting their role in uncovering the invisible universe on 15.03.2024.



The summer training on "Fabrication of 7812, 7912, 7805 Dual and Fixed Power Supplies" offers participants hands-on experience in constructing essential power supplies, focusing on both dual and fixed variants by Mr. P. Pandi Ganesh on 18.03.2024



Students of GTN physics student observing sunspots and solar flares, understanding spectroscopic techniques at Indian Astro Physics Institute in Kodaikanal on 19.03.2024.



Participants in the Inter-Departmental Program on "Troubleshooting of Electronic Gadgets" benefited from Mr. P. Pandi Ganesh's expert guidance as a Senior Engineer at HEM Equipment, Madurai.



GTN Physics department students visited the Regional Science Center at Coimbatore gained physics concepts through interactive exhibits and hands-on activities on 22.03.2024.



The activity on troubleshooting electronic gadgets, guided by Dr. R. Sangeetha, offers participants practical learning experiences and expert guidance to diagnose and resolve common issues on 26.03.2024



Dr. N.R. Senthil Kumar from Sourashtra College delivered a lecture on “Trouble Shooting of Electronic Gadgets” on 26.03.2024.