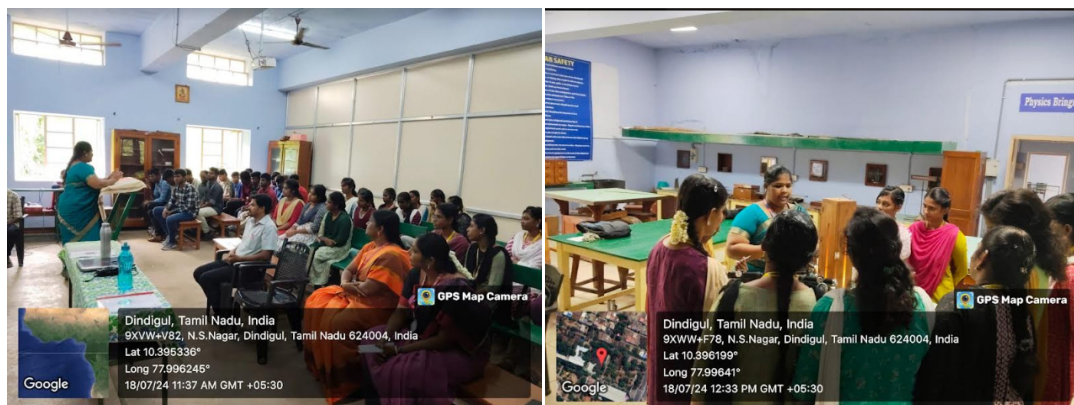




G. T. N. ARTS COLLEGE (AUTONOMOUS), DINDIGUL
DEPARTMENT OF PHYSICS

GLIMPSES OF DBT ACTIVITIES – ACADEMIC YEAR 2024-25

S.No	Type of Programme	Title of the Programme	No. of Prog.	Date
1	Hands-on Training	Experiments in Optics	1	18.07.2024
2	Laboratory Visit	Physics Laboratory Visit (St. Antony's College Students)	1	11.09.2024
3	Invited Talk	Evolution of the Universe	1	13.09.2024
4	Field Visit	CSIR-CECRI, Karaikudi	1	26.09.2024
5	Invited Talk	Inspiring Physics: Proud to be Physicists	1	15.10.2024
6	Invited Talk	Indian Knowledge System (IKS) in Physics	1	16.10.2024
7	Hands-on Training	Electronics and Digital Experiments	1	07.12.2024
8	Guest Lecture	Exploring the Physics of Futuristic Materials: From Basics to Breakthroughs	1	07.12.2024
9	Inter-Departmental Activity	Hands-on Training on Physics Laboratory Overview (CRO & DSO)	1	16.12.2024
10	Inter-Departmental Activity	Hands-on Training on Physics Laboratory Overview (Travelling Microscope & Spectrometer)	1	16.12.2024
11	Career Guidance Programme	Career Guidance Programme	1	24.01.2025
12	Field Visit	Anna Science Centre–Planetarium, Tiruchirappalli	1	31.01.2025
13	Training Programme	Troubleshooting of Laboratory Equipment for Lab Technicians	1	03.03.2025
14	Hands-on Training	Synthesis and Characterization of Nanomaterials	1	04.03.2025
15	Guest Lecture	Material Science and its Applications	1	07.03.2025
16	Hands-on Training	Optical and Electronics Experiments	1	27.03.2025
17	Workshop	Synthesis and Growth of Nonlinear Materials: Methods and Applications	1	27.03.2025
18	Inter-Departmental Programme	DFT and Simulation Software: A Beginner's Guide for UG Students	1	27.03.2025
19	Inter-Departmental Programme	Career Opportunities for UG Students	1	28.03.2025



The Department of Physics organized a hands-on training programme on “Experiments in Optics” on 18.07.2024. Dr. J. Jayarubi, Periyar Maniammai Institute of Science and Technology, Thanjavur, provided practical training to the students on various optical experiments.



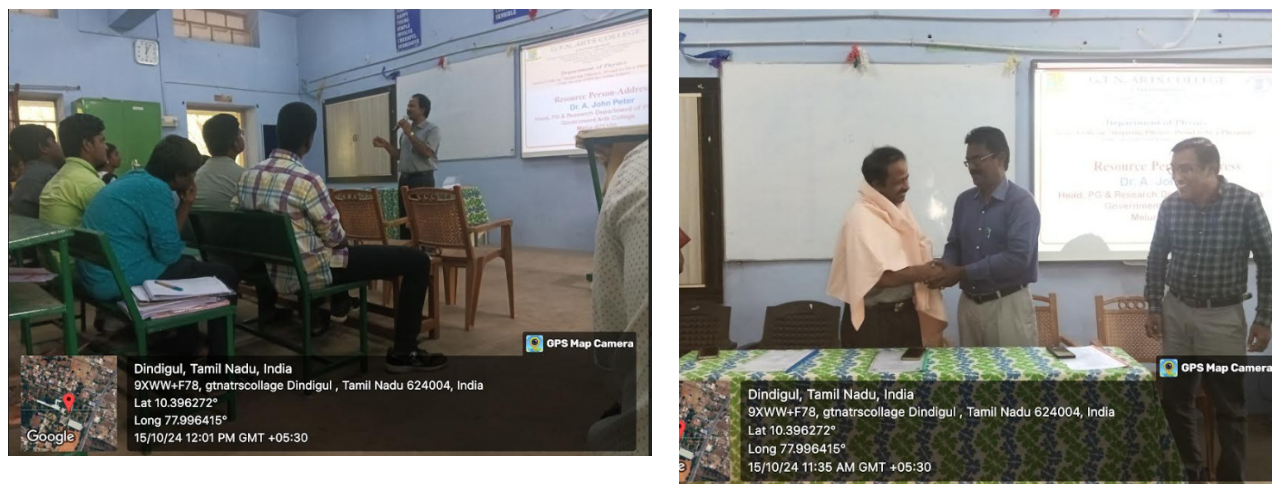
A group of students from St. Antony's College, Dindigul, accompanied by two teachers, visited the Physics Laboratory on 11.09.2024 under the DBT Star College Scheme.



The Department of Physics organized an invited talk on “Evolution of the Universe” on 13.09.2024. Mr. U. Shanmugasundaram, Retired Manager, Central Bank of India, Chennai, and alumnus of G.T.N. Arts College, Dindigul, served as the Resource Person and shared insights into the origin, evolution, and future of the universe.



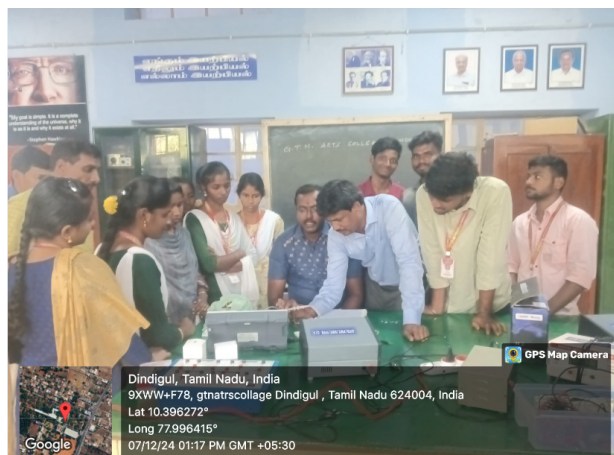
On 26.09.2024, Physics students from all three years, accompanied by faculty members, visited CSIR-CECRI, Karaikudi. The visit provided valuable exposure to advanced electrochemical research facilities, instrumentation, and interdisciplinary research methodologies.



The Department of Physics organized an invited talk on “Inspiring Physics: Proud to be Physicists” on 15.10.2024. Dr. A. John Peter, Head, PG & Research Department of Physics, Government Arts College, Melur, served as the Resource Person and motivated students to develop a passion for Physics and appreciate its contributions to understanding the universe.



Dr. A. Alexandar, Assistant Professor, Department of Physics, St. Joseph's College, Tiruchirappalli, delivered an invited talk titled "Indian Knowledge System (IKS) in Physics" on 16.10.2024.



Dr. N. Narayana Moorthy, Assistant Professor, Saraswathi Narayanan College, Perungudi, Madurai, conducted a hands-on training session on Electronics and Digital Experiments for our students on 07.12.2024.



Dr. M. S. S. Saravanakumar, Assistant Professor of Physics, Saraswathi Narayanan College, Perungudi, Madurai, served as the Resource Person and delivered a lecture titled “Exploring the Physics of Futuristic Materials: From Basics to Breakthroughs” on 07.12.2024.



An Inter-Departmental Activity on “Hands-on Training on Physics Laboratory Overview” was organized on 16.12.2024. Mrs. M. Kalai Selvi, Managing Partner, Lakshmi Electronics, served as the Resource Person and provided practical training on CRO and DSO to the students.



An Inter-Departmental Activity on “Hands-on Training on Physics Laboratory Overview” was organized on 16.12.2024. Mr. V. Sathiyaseelan, Lakshmi Electronics, guided the students through hands-on training on the operation and applications of the Travelling Microscope and Spectrometer.



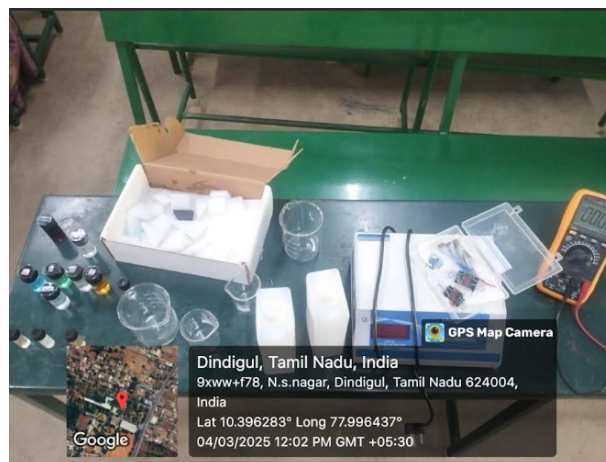
Inter-Departmental Activity – Career Guidance Programme held on 24.01.2025. Mr. M. Nagaraj, Resource Person, explained the different types of banking examinations. Mr. Rajkumar, Resource Person, explained the preparation strategies for various Group examinations.



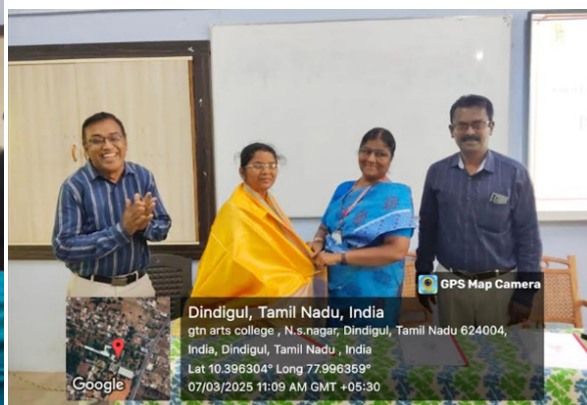
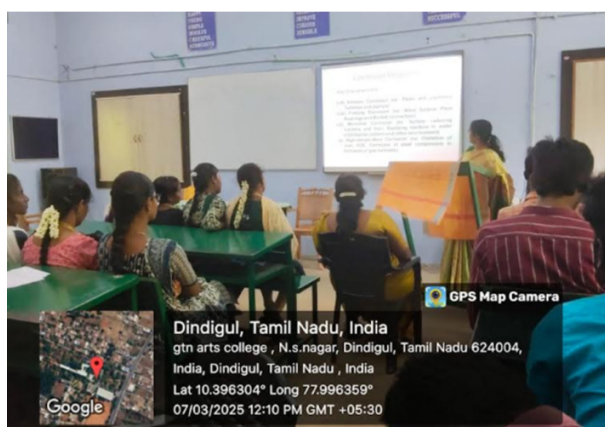
On 31.01.2025, the Department of Physics, G.T.N. Arts College, Dindigul, organized a field visit to Anna Science Centre–Planetarium, Tiruchirappalli. The visit provided students with an engaging learning experience in astronomy and environmental science.



The Department of Physics organized a training programme on “Troubleshooting of Laboratory Equipment for Lab Technicians” under the DBT Star College Scheme on 03.03.2025. Mr. A. Saravanan, Junior Mechanic (Special Grade), Department of Physics & Research Centre, Lady Doak College, Madurai, and Mr. P. Pandi Ganesh, Senior Engineer, Hem Equipment, served as the Resource Persons and provided practical guidance on troubleshooting laboratory equipment.



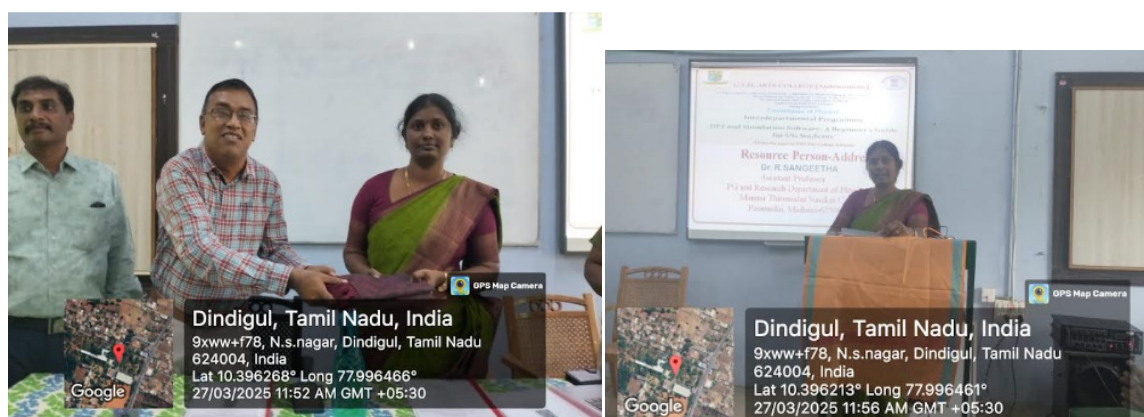
The Department of Physics organized a hands-on training programme on “Synthesis and Characterization of Nanomaterials” under the DBT Star College Scheme on 04.03.2025. Dr. G. Ramalingam, Assistant Professor, Department of NanoScience and Technology, Alagappa University, Karaikudi, served as the Resource Person and provided practical training on the synthesis and characterization of nanomaterials.



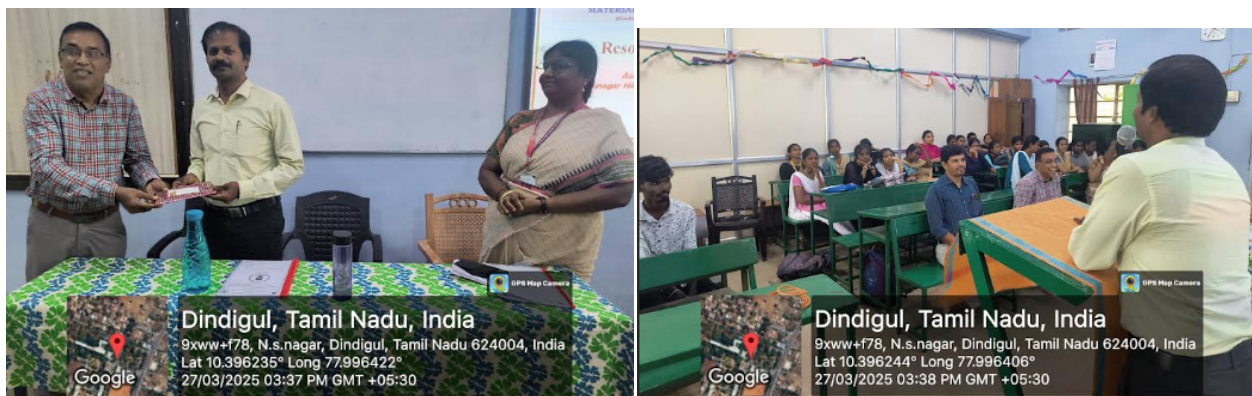
The Department of Physics organized a guest lecture on “Material Science and its Applications” under the DBT Star College Scheme on 07.03.2025. Dr. K. Prabha, Assistant Professor, Department of Physics, Mother Teresa Women’s University, Kodaikanal, delivered the lecture as the Resource Person.



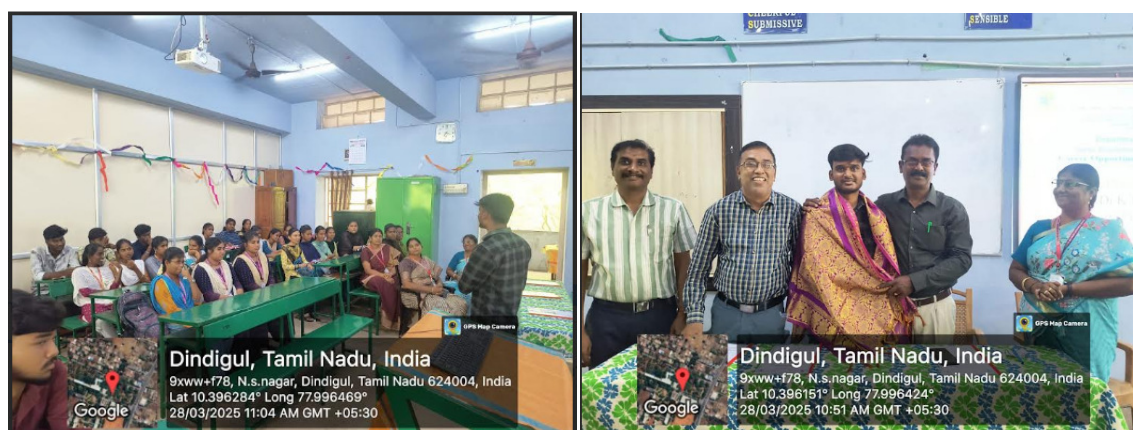
The Department of Physics organized a hands-on training programme on Optical and Electronics Experiments on 27.03.2025. Dr. R. Premkumar, Assistant Professor, N.M.S.S.V.N. College, Madurai, served as the Resource Person and provided practical training to the students.



The Department of Physics organized an Inter-Departmental Programme on “DFT and Simulation Software: A Beginner’s Guide for UG Students” under the DBT Star College Scheme on 27.03.2025. Dr. R. Sangeetha, Assistant Professor, PG and Research Department of Physics, Mannar Thirumalai Naicker College, Madurai, served as the Resource Person and introduced the students to DFT and simulation software.



The Department of Physics organized a workshop on “Synthesis and Growth of Nonlinear Materials: Methods and Applications” under the DBT Star College Scheme on 27.03.2025. Dr. R. Jeyasekaran, Assistant Professor, VHNSN College, Virudhunagar, served as the Resource Person and provided insights into the synthesis and growth of nonlinear materials.



Inter-Departmental Programme – Career Opportunities for UG Students held on 28.03.2025. Mr. M. Karthikeyan (Alumnus, 2015–2018), Employment and Training Department, District Employment and Career Guidance Centre, Dindigul, served as the Resource Person and explained the different types of TNPSC examinations and the career opportunities available to undergraduate students.