



G. VENKATASWAMY NAIDU COLLEGE (Autonomous) KOVILPATTI

Reaccredited with 'A' Grade by NAAC | DBT Star College Scheme

Affiliated to Manonmaniam Sundaranar University, Tirunelveli

**Under the Management of the G. Kuppaswamy Naidu Charity Trust for Education and Medical
Relief, Coimbatore-37**

INTERNAL QUALITY ASSURANCE CELL

Report of the Department Physics: Extension and Outreach activity (2020-2025)

1. HANDS -ON -TRAINING

Department of Physics organized Two days hands on Training Programme in association with Department of Chemistry, Botany, Maths & Electronics for Govt Girls Hr.sec School, Kovilpatti on 30.08.2023 & 31.08.2023. Hands on training aims in inculcating Science Concepts through experiments, Models and Charts to school students. Our Department Students explained various science concepts through experiment, Models and Charts. Hope this activity creates awareness among school students regarding the role of science and technology in the sustainable growth and development of the country



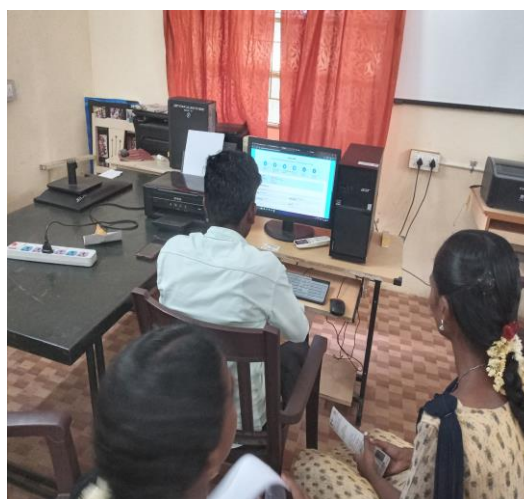
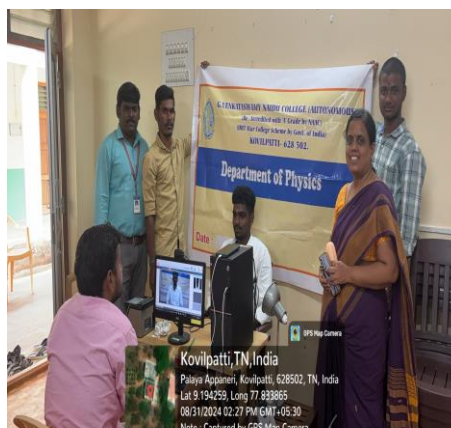
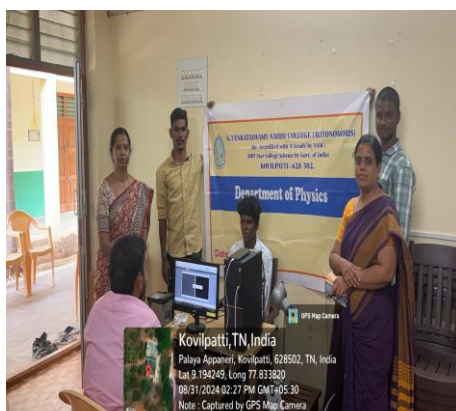
2. Extension Activity

Department of Physics organized Hands on Training Programme – “Ariviyal Arivom “ for Plus Two students of John Bosco Matriculation and Hr.Sec School, Kovilpatti” on 13.10.2023. Hands on training aims in inculcating Science Concepts through experiments, Models and Charts to school students. Our Department Students explained various science concepts through experiment, Models and Charts. Hope this activity creates awareness among school students regarding the role of science and technology in the sustainable growth and development of the country.



3. Extension Activity on DAK community Development Program

The "DAK Community Program," was organized by the Department of Physics in association with the Government Post Office in Kovilpatti, 29.08.2024 to 30.08.2024 focused on facilitating essential services for College students and the local community. The initiative provided support for Aadhar card generation, correction and renewal, e-PAN card generation, and assistance with post office accounts. This program aimed to enhance digital literacy and streamline access to government services, thereby empowering residents with the tools they need for effective financial management and identification. Participants benefited from expert guidance, making these crucial services more accessible and efficient.



4. Outreach Programme: Beyond School Walls: “A Guide to Science Courses, Careers, and Scholarships”



On the 15th and 17th of February 2025, faculty members from the Physics Department of GVN College conducted an informative outreach program at the Government Higher Secondary Schools of Illyarasendhal and Pillaiyarnatham. The purpose of this visit was to enlighten students about

- the importance of pursuing science in higher education.
- the insights into undergraduate science courses and their future career pathways.
- the benefits of studying at GVN College, including its academic excellence and scholarships.
- the scholarships and financial aid opportunities available at GVN College.

Activities: During the visits, the faculty members engaged the students in interactive

sessions, focusing on the following key points:

- **Importance of Science Education:** Faculty members discussed how science contributes to personal growth, societal advancement, and global progress. They emphasized the critical role of science in solving real-world problems and fostering innovation.
- **Undergraduate Courses in Science:** The faculty members explained the various undergraduate science courses available, such as Physics, Chemistry, Botany, and Mathematics, and how these fields offer diverse career opportunities in research, technology, healthcare, and more.

- **Career Opportunities:** The discussions included career paths such as research, teaching, industry roles, and government services that science graduates can pursue. Students were encouraged to think about the wide-ranging fields of employment that open up with a science degree.
- **GVN College Advantages:** Faculty members shared information about GVN College, highlighting its academic reputation, state-of-the-art facilities, and commitment to student success. They also explained how students would benefit from enrolling at GVN College, such as access to experienced faculty, research opportunities, and a vibrant academic community.
- **Scholarships and Financial Aid:** A special focus was given to the various scholarships available at GVN College, designed to support meritorious students and those in need of financial assistance. Faculty members provided detailed information on eligibility criteria and the application process for these scholarships.

The visit to the Government Higher Secondary Schools of Illyarasendhal and Pilyayarnatham was a successful initiative that not only highlighted the importance of science education but also provided valuable information about the opportunities available at GVN College. The outreach program has inspired many students to consider science as a viable and rewarding option for their future studies, along with the scholarships that make higher education more accessible.

5. Exposure Visit

As part of the Department of Physics' continuous endeavor to provide students with practical and experiential learning beyond the classroom, an Exposure Visit was organized on 24th January 2025. This educational trip aimed to bridge the gap between theoretical concepts and real-world applications, giving students valuable insights into science and technology in practice.

A total of 29 students, accompanied by 2 faculty members, actively participated in the program. The team first visited the Bio-Mass Plant at The M.D.T. Hindu College, Tirunelveli, where students gained first-hand knowledge of renewable energy production. They were briefed on the working principles of biomass energy, its significance in sustainable development, and the role of alternative energy sources in addressing global energy demands. The interaction at the plant helped students connect concepts of energy physics with practical applications in the field of green technology.



Following this, the group proceeded to the Science Centre, Tirunelveli, which offered an engaging session on various scientific exhibits and demonstrations. Students explored interactive displays related to physics, astronomy, and applied sciences. The experience not only enhanced their curiosity but also encouraged scientific thinking and innovation.

The exposure visit proved to be a highly enriching experience for the students, broadening their horizons and motivating them to apply their classroom learning in practical contexts. Such initiatives by the department play a vital role in nurturing young minds, fostering research interest, and preparing them to face real-world scientific challenges

