

PG & Research Department of Physics – “Physicos” Domain Club

Activities

14th JULY 2025

Expert Talk – “Frontiers of Physics – An Insight”

On 14th July 2025, the PG & Research Department of Physics, Auxilium College (Autonomous), Vellore, organized an expert talk titled “Frontiers of Physics – An Insight” under the banner of the Physicos Club. The session was graced by Dr. M. Kumar, Associate Professor and Head of Aringar Anna Government Arts College, Cheyyar, who delivered an engaging and insightful lecture on emerging areas in Physics, including quantum technologies, astrophysics, and particle physics. The program was held from 2:00 PM to 3:30 PM at the Computer Block Seminar Hall and witnessed enthusiastic participation from both students and faculty. The session fostered academic curiosity, inspired research interest among students, and reinforced the department’s commitment to academic enrichment through expert engagement.

Auxilium College (Autonomous)
(Accredited by NAAC with A+ Grade in the 4th Cycle)
Gandhi Nagar, Vellore - 06

PG & Research Department of Physics

PHYSICOS CLUB

Organizes

Dr. M. Kumar
Associate Professor & Head
Aringar Anna Govt Arts
College, Cheyyar

EXPERT TALK ON
**FRONTIERS OF PHYSICS - AN
INSIGHT**

CHIEF PATRON
Dr. (Sr.) Mary Josephine Rani .A
Secretary

PATRON
Dr. (Sr.) Arokia Jayaceli. A
Principal

CO-PATRONS
Dr. (Sr.) Amala Valarmathy .A
Vice Principal

CONVENOR
Dr. (Sr.) Venci .X
Head of the Department

Monday
14 JULY 2025

2:00 PM
3.30 PM

Computer Block
Seminar Hall



24th July 2025 – Event “MEET THE SCIENTIST”

The Department of Physics, Auxilium College (Autonomous), Vellore, organized a visit to the “Meet the Scientist” program held at the Dr. Kalaingar Karunanidhi District Science Centre on 24th July 2025. This program aimed to inspire young learners by providing them with the opportunity to interact directly with eminent scientists and gain deeper insights into the latest advancements in science and technology. Students actively participated in the interactive sessions, where the scientists shared their research experiences, career journeys, and the role of innovation in addressing real-world challenges. The event created an engaging platform for students to clarify their doubts, enhance their scientific outlook, and develop curiosity-driven learning beyond the classroom. The program was highly beneficial as it motivated the students to pursue research and higher studies in science, while also exposing them to the importance of scientific temper and critical thinking in today’s world. Overall, the visit proved to be an inspiring and enriching experience, bridging the gap between classroom education and real-life scientific exploration.

13th August 2025 – “PHYSICS FEST”

The Physics Fest 2025, organized by the PG & Research Department of Physics, Auxilium College (Autonomous), Vellore, on 13th August 2025, was a grand academic celebration that brought together around 60 participants from various colleges to compete and collaborate in the spirit of science. The event featured a series of intellectually stimulating and creative competitions, including Quiz, Debate, Poster Presentation, Physics Memes, and Model Making, which tested not only the conceptual knowledge of Physics but also the innovative and communicative skills of the students. Participants enthusiastically showcased their talents across these diverse events, creating a lively atmosphere of learning and exchange. After a

day of exciting contests and vibrant performances, Sacred Heart College emerged as the overall trophy winner, marking their excellence in multiple events, while the fest as a whole stood out as a platform that encouraged teamwork, creativity, and a passion for Physics among young learners.



23rd September 2025 - International Conference on Frontiers in Materials Science for a Sustainable Future

The International Conference on Frontiers in Materials Science for a Sustainable Future organized by the PG & Research Department of Physics, Auxilium College (Autonomous), Vellore, on 23rd September 2025. The conference aims to bring together leading researchers, scientists, academicians, and industry professionals to share their latest findings, innovations, and advancements in materials science with a focus on Sustainability. To foster interdisciplinary collaboration and innovation that can drive sustainable development goals (SDGs) through advancements in material science and engineering.

The PG & Research Department of Physics organised a session on Single XRD analysis using Wingx software on 14th October 2025 from 2.00 PM to 3.00 PM at the Admin block. The PG second-year students discussed their internship work and the analysis procedure. The session enabled students to understand the use of WingX software for the theoretical analysis of single crystal.



26th November 2025 - “Session on Achieving Problem–Solution Fit”

The PG & Research Department of Physics, in collaboration with the Innovation and Incubation Cell, organized a “Session on Achieving Problem–Solution Fit” on 26th November 2025 from 2.00 PM to 3.00 PM at the Computer Block Seminar Hall, with Ms. Blessy Montgomery, Placement Officer of Auxilium College, serving as the resource person. The session introduced students to the importance of identifying and validating user-centric problems in the innovation cycle and provided practical methods such as empathy mapping, interviews, observations, and problem discovery tools. Students were guided to analyze gaps between existing solutions and actual user needs using frameworks like the Problem Statement Canvas, Value Proposition Canvas and Jobs-to-Be-Done approach. Through interactive brainstorming, group discussions and short presentations, around 60 UG and PG participants actively engaged in identifying real problems and developing early solution concepts. The resource person shared real case studies and highlighted common mistakes like solution-first thinking without evidence. The session enabled students to frame evidence-based problem statements, draft proto-solutions and gain confidence in applying structured innovation methodologies, thereby strengthening their readiness for hackathons, idea contests and incubation programs. The department plans to continue such workshops and mentoring sessions to help students progress toward prototype development and market-fit stages.



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PG & Research Department of Physics
In Association with
Auxilium Innovation and Incubation Centre
Organizes

 **Ms. Blessy Montgomery**
Placement Officer
Auxilium College (Autonomous)
Vellore

**Session on Achieving Problem -
Solution Fit**

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Principal

CO-PATRONS
Dr. (Sr.) Amala Valarmathy .A
Vice Principal

CONVENOR
Dr. (Sr.) Venci .X
Head of the Department

 Wednesday
26 November 2025

 2:00 PM
3:00 PM

 Computer Block
Seminar Hall

20th December 2025 – OPPENHEIMER PICTURE

The PG and Research Department of Physics organised a screening and discussion session based on the movie Oppenheimer. The movie Oppenheimer, for students, highlights the scientific, historical, and ethical aspects of nuclear physics portrayed in the film. This movie offering insights into the life of J. Robert Oppenheimer and the development of nuclear science.


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 Gandhi Nagar, Vellore - 06







PG & Research Department of Physics

PHYSICOS

Presents

“OPPENHEIMER”

<p>CHIEF PATRON Dr. (Sr.) Mary Josephine Rani .A Secretary</p>	<p>PATRON Dr. (Sr.) Arokia Jayaceli. A Principal</p>	<p>CO-PATRONS Dr. (Sr.) Amala Valarmathy .A Vice Principal</p>	<p>CONVENOR Dr. (Sr.) Venci X Head of the Department</p>
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Saturday
20 December 2025



12:30 PM
2.00 PM



Admin Block





20th January 2025 – Quiz competition

The PG & Research Department of Physics organised a Quiz competition on 20th January 2026 from 2.00 PM to 4.00 PM at the Seminar Hall, Computer block. The UG and PG students were participated in the event.

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 MoE's INNOVATION CELL (GOVERNMENT OF INDIA)  Ministry of Education (GOVERNMENT OF INDIA)  AICTE  INSTITUTION'S INNOVATION COUNCIL  AIRC

PG & Research Department of Physics

PHYSICOS

Organizes

"Quiz competition"

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Vice Principal

CONVENOR
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Head of the Department

 Tuesday
20.01.2026

 2.00 PM

 Admin Block

