



# PG DEPARTMENT OF PHYSICS ANSAR WOMEN'S COLLEGE

Affiliated to University of Calicut | Accredited with 'A' Grade by NAAC  
PERUMPILAVU, KARIKKAD (P O), THRISSUR(DT) – 680519, KERALA, INDIA  
04885 284912 (Office) 8138018182 (Mobile)

Email: [physicsdept@ansarwomenscollege.ac.in](mailto:physicsdept@ansarwomenscollege.ac.in) | Website: [www.ansarwomenscollege.ac.in](http://www.ansarwomenscollege.ac.in)

## ANNUAL REPORT OF THE YEAR 2023-2024

The PG Department of Physics at Ansar Women's College, Perumpilavu, is a dynamic and thriving academic unit dedicated to fostering excellence in physics education. Our department boasts well-equipped facilities and a team of highly qualified and passionate faculty members who are committed to providing a stimulating learning environment. Students are encouraged to actively engage in research projects, participate in competitions, and attend events that enhance their understanding of physics concepts. We prioritize academic excellence and aim to create a supportive atmosphere where students can explore their interests and achieve their academic goals effectively.

### Strength (2023-24)

|  |    |
|--|----|
| The number of seats allotted for B.Sc. Physics in this academic year | 45 |
| No of students admitted  | 2  |
| The number of seats allotted for M.Sc. Physics in this academic year | 20 |
| No of students admitted  | 20 |

### Result Analysis (2022-2023)

#### B.Sc. Physics (2019-23 Batch)

|                               |          |
|-------------------------------|----------|
| Total no of students attended | 36       |
| No of students passed         | 19       |
| Pass percentage               | 52.7%    |
| Student Topper                | Rimna MV |

## **M.Sc. Physics (2021-2023)**

|                               |           |
|-------------------------------|-----------|
| Total no of students attended | 16        |
| No of students passed         | 7         |
| Pass percentage               | 43.75%    |
| Student Topper                | Rufaida N |

### **Certificate course offered in this academic year**

1. Solar Energy and Utilisation
2. Physics of Novel Materials

### **Memorandum of Understanding**

In this academic year PG Department of Physics signed mou's with the following institution.

1. Department of Physics, Assabah arts and Science College, Valayamkulam, Kokkur, Malappuram-679591
2. Rathinam College of Arts and Science, Coimbatore, Tamil Nadu-640021

### **Programmes Consolidated**

#### **Workshop/Seminar**

#### **1. Workshop on Programming of AVR Microcontroller**

Intercollegiate Workshop on “Programming of AVR Microcontroller” on 14th June 2023.

Resource Person: Mr. Justin Joseph, Managing Director, Mewijo Info Technics



## 2. Workshop on Science Video Production

10-day Online Workshop on Science Video Production on August 14th - August 23rd, 2023, Organized by PG Department of Physics in collaboration with SIAS Research Forum. Resource Person: Mr. Rafeeqe Mavoor, Scientific Illustrator



PG Department of Physics, Ansar Women's College, Perumpilavu & SIAS Research Forum

10-Day Online Workshop for Science Researchers

### Science Video Production

14 - 23 AUGUST 2023

What you will learn?

- Video editing and animation (Hitfilm Express)
- Screen recording (Loom)
- Illustration (Inkscape)
- Teleprompter and captioning (Blink)

Registration Fee: Rs. 2000

[Register Here](#)

<https://thesias.in/>  
coordinator@siasrf.com  
+91 7893652869

**Mr. Rafeeqe Mavoor**  
Scientific Illustrator,  
BS MS IISER Thiruvananthapuram  
Worked as Science Media Centre @  
IISER Pune, central of Modelled  
Experiments (MVE) and IISER TUM.

SIAS Research Forum  
Kehimoor, Calicut University  
Kerala - 673 635



## INVITATION

10-Day Online Workshop on  
**Science Video Production**

14 - 23 AUG 2023

organized by  
**PG Department of Physics**  
Ansar Women's College, Perumpilavu  
&  
**SIAS Research Forum**

14 Aug 2023 7.00 PM - 8.30 PM

<https://meet.google.com/hvo-gtgn-hok>

**Dr. Kamaludheen K.T**  
Principal  
Ansar Women's College

**Arif T. A**  
Vice Principal  
Ansar Women's College

**Dr. Raseel Rahman MK**  
Head, Dept. of Physics  
Ansar Women's College

+91 7893652869 director@thesias.in director@thesias.in

## 3. International Conference on Recent Trends in Experimental Physics

The PG Department of Physics organised an International Conference on Recent Trends in Experimental Physics on 5<sup>th</sup> to 7<sup>th</sup> March 2024 as a part of Academic Fest 2024. Dr. Libu Manjakkal, University of Edinburgh inaugurated the conference



## Industrial Visit/Tour

### 1. Study Tour to Wayanad

The PG Department of Physics, in collaboration with the Mathematics and Chemistry departments organised a study tour for final year degree students to Wayanad and Mysore from 13/10/2023 to 15/10/2023



### 2. Vikram Sarabhai Space Center Visit

The PG Department of Physics organised an Industrial visit to Vikram Sarabhai Space Center on 14<sup>th</sup> February 2024.



## Extension Programme

### 1. Programme on Energy Conservation for Kudumbasree Members

Physics department organised an extension program on energy conservation for Kudumbasree Members on 13<sup>th</sup> December 2023 at Kadavallur Panchayath hall.



## 2 Parent Attachment Programme

1. The Parent Attachment Programme for the First year UG students were held on 2nd August 2023 in the college auditorium. Dr. Kamaludheen K.T., Principal, was the resource person for the programme. He addressed the students and parents with a session on higher education.



2. A Parent Attachment Programme was conducted for final year UG students on 12/10/2023. Dr. Kamaludheen K.T., Principal, was the resource person for the programme. He addressed the students and parents with a session on higher education.



3. A Parent Attachment Programme was conducted for first year UG students before the starting of their First Semester University Examinations. In order to raise awareness and motivate students Dr. Kamaludheen K.T., College Principal hosted a Parent Attachment Programme on the subject “Welcome Exam” on 19/02/2024 for BA/BSc students.



## Programmes

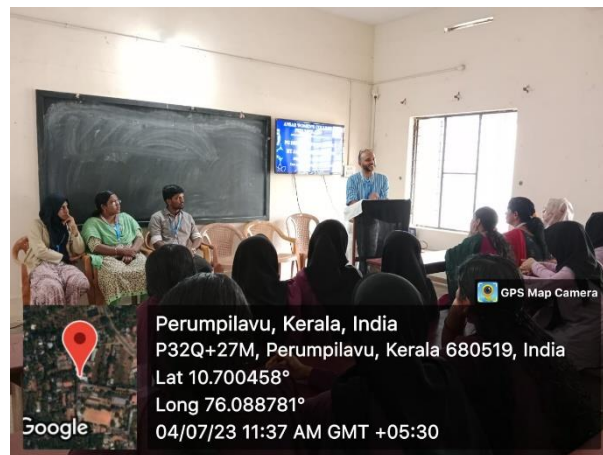
### 1. “Sambai Jumba” PG Sent off

Sent-Off Event on 21st June 2023 for Celebrating the journey and achievements of our final Year Postgraduate Students (2021-23 Batch)."



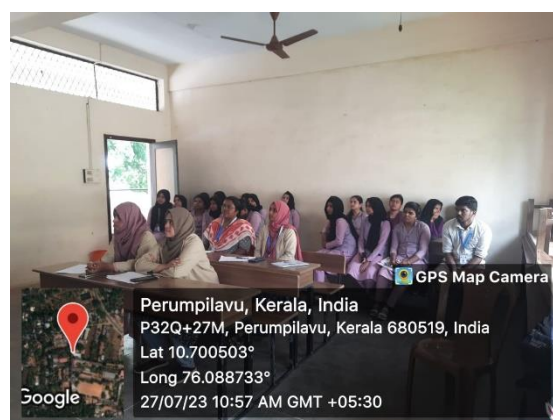
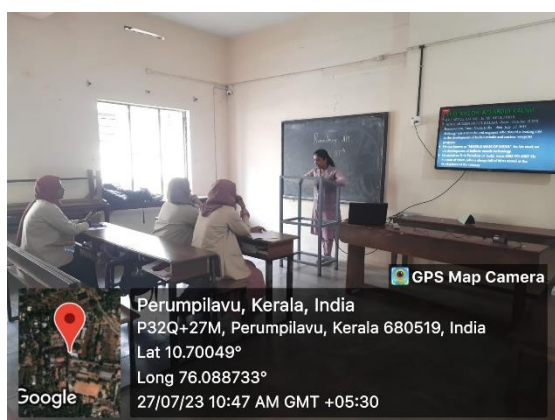
## 2. Inauguration Ceremony for IIT JAM and CUET Coaching Sessions

Empowering students for success in competitive exams like IIT JAM and CUET and higher studies. Dr. K T Kamaludheen, Principal, Ansar Women's College inaugurated the program at on July 4, 2023.



## 3. APJ Commemorative Day Celebration

APJ Abdul Kalam Lecture Competition on 27<sup>th</sup> July 2023, Commemorating Dr. Kalam's legacy and fostering innovation in science and education at Ansar Women's College.



Winners Nandhana K R (B.Sc. Physics), Fidha Nesrin M (B.Sc. Computer Science), and Suvarna K P (M.Sc. Physics) recognized for their outstanding contributions.

## 4. Hiroshima-Nagasaki Day Quiz Competition

Quiz competition as a part of promoting awareness and fostering discussions on peace and disarmament on August 9, 2023. Winners Aysha Abdhulkader and Sumaya A. S (B.Sc. Psychology), Nafitha K. H and Swaliha (B.Sc. Mathematics), Fadiya and Nada Liyaqat Ali (B.Sc. Chemistry) recognized for their achievements."



## 5. Deeksharambh - Student Induction Programme

"Deeksharambh orientation program held on 14/08/23 to 17/05/23. Nurturing talent and facilitating a smooth start of our UG and PG programmes at PG Department of Physics, as directed by UGC guidelines. Students and faculty commend the program's organization and engagement."



## 6. Digital Poster Making Contest on Preserving Ozone and Protecting Our Atmosphere

A digital poster making Contest on the topic “Preserving Ozone & Atmosphere” for students of Ansar Women's College on September 17, 2023 fostering environmental awareness & creative expression. Winners are Ridha Rahman (BBA), Deenah Mohamed Shareef (BCA) and Hiba M K (BCA)





## 7. Celebrating Dr. M. K. Raseel Rahman's Ph.D. Success

The "Celebrating Academic Excellence" program, held on 18th October 2023 at Ansar Women's College, honoured Dr. Raseel Rahman M.K from Jamia Millia Islamia, New Delhi, for his Ph.D. achievement. The chief guest, Dr. Kamaludheen KT, emphasized research, academic accomplishments, and mentorship, inspiring a culture of learning and achievement among attendees



## 8. Workshop on Scientific Writing

The Workshop on Scientific Writing, held on 1st December 2023 by the PG Department of Physics, featured Dr. Raseel Rahman MK from the Head of Physics Department as the main guest. The session focused on enhancing students' scientific communication skills.



## 9. Inauguration Ceremony of PG Department of Physics Association

The inauguration ceremony of the PG Department of Physics Association at Ansar Women's College, held on 13th December 2023, featured Dr. Hajara K, HOD of Physics Department, SAFI Institute of Advanced Studies, Vazhayoor as the main guest. The event highlighted academic excellence, collaboration, and cultural diversity within the physics department



## 10. 'Online Workshop on Registration and Important Updates on CUET PG 2024'

The 'Online Workshop on Registration and Important Updates on CUET PG 2024' conducted by the PG Department of Ansar Women's College took place January 1st, 2024. The outcome of the workshop was highly positive, empowering final year undergraduate students with essential knowledge about CUET PG 2024, enhancing their preparedness and confidence for central university admissions.

**CUET(PG) 2024**

**Online Workshop  
REGISTRATION &  
IMPORTANT UPDATES**

**Monday, 1 January 2024  
08.00 PM | Google meet**

[meet.google.com/dzf-gxov-dbk](https://meet.google.com/dzf-gxov-dbk)

**Dr. RASEEL RAHMAN M K**  
Assistant Professor  
PG Department of Physics

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## 11. Grad + Doc Chat

**Expert Talk by Dr. Sayoob Vadakke Chanath from Laboratoire d'Océanologie et de Géosciences, Wimereaux, France**

The "Grad+ Doc Chat" program held on 11th January 2024 featured Dr. Sayoob Vadakke Chanath from Laboratoire d'Océanologie et de Géosciences, Wimereaux, France. It aimed to delve into advancements in oceanology and geosciences, fostering interdisciplinary dialogues among attendees



## 12. UG Send off

The 'Yeojungui Mun: Door of Journey' program held on 24/02/2024 at PG Department of Physics, Ansar Women's College. This heartfelt send-off celebrated the graduating B.Sc. Physics class of 2024, showcasing their achievements and fostering a sense of pride and unity.



### 13. “Science in Focus” Photographic Contest

The "Science in Focus" photographic contest at Ansar Women's College, held on February 28th, 2024, coinciding with National Science Day, featured Mymoona A K and Shirin A P as winners from the M.Sc. Physics 4th Semester



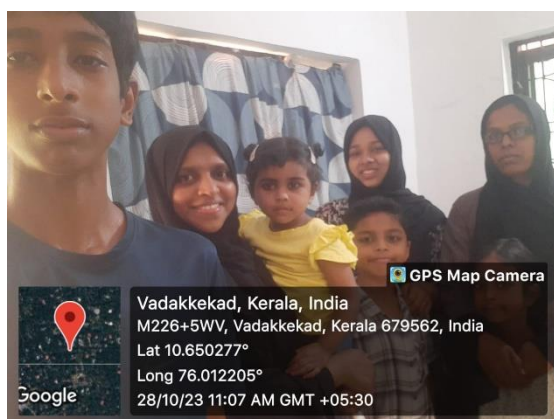
### 14. “Innoscence Spectra” Physics Exhibition

The "Innoscence Spectra" physics exhibition was held on March 4, 2024, at Ansar Women's College, featuring Mohamed Hasan Rizg Al Hawar from the Department of English, Institute of Health Sciences, Al-Mahra, Yemen, as the main guest. The program showcased innovative projects and interactive exhibits



## 15. Mentor-Mentee System

This academic year saw the Mentor-Mentee system operating smoothly. First-year students from various departments were assigned to faculty members of physics department. These faculty members actively engaged with the students, fostering a familial atmosphere among them. To better understand the students' living conditions and meet their families, mentors made visits to the homes of their mentees.



## Seminar/FDP

1. Dr. Raseel Rahman M K presented a paper on International conference on Recent Trends in material science organised by PG Department of Physics, Jamal Mohammed College, Thiruchirappalli on 4<sup>th</sup> January 2024

Mrs. Nadhiya KV, and students from first year M.Sc also participated.

2. All students and teachers presented a paper on International conference on Recent Trends in Experimental Physics organised by PG Department of Physics, Ansar Womens college, Perumpilavu on March 5<sup>th</sup> to 7.

2. Teachers were attended various faculty development programme conducted by various institutes.

Head

Principal