



**Jayaraj Annapackiam College For Women
(Autonomous), Periyakulam**

**Accredited with 'A+' Grade in (Cycle 4) by
NAAC**

PG & RESEARCH CENTRE OF PHYSICS

Association Activities 2025 – 2026

**JAYARAJ ANNAPACKIAM COLLEGE FOR WOMEN (AUTONOMOUS),
PERIYAKULAM, THENI**

PG AND RESEARCH CENTRE OF PHYSICS

PHYSICS ASSOCIATION ANNUAL REPORT 2025-2026

Staff advisor: Dr.A. Jegatha Christy, Associate Professor of Physics & Dean of Research

Dr.P. Evangelin Teresa, Assistant Professor of Physics

Secretary: Ms.S.Heerasrija, III B.Sc Physics (R)

Joint Secretary: Ms.V. Harini, II B.Sc Physics (R)

PHYSICS ASSOCIATION REPORT- 28.07.2025

Freshers' Welcome programme was organized by Physics Association on 28.07.2025 at PG Physics Lab from 2.45 pm to 3.45 pm. The program started with a prayer song followed by Bible reading and prayer. Ms. S. Heera Srija, Physics Association Secretary welcomed the gathering. Dr. A. Jacqueline Regina Mary, Associate Professor of Physics delivered the Freshers' Day message on 'Good behavioural traits of an Ideal Student' which resonated with the freshers. The II PG, III UG and II UG students welcomed the new comers through song, dance and poem. Ms. S. Anitha of I UG Physics ended the program with a toast.



National Renewable Energy Day Report 06.08.2025

The Physics Association of the PG and Research Centre of Physics organized a special programme to celebrate **National Renewable Energy Day** on **6th August 2025**, with the objective of spreading awareness about the importance and urgency of shifting towards sustainable and renewable sources of energy.

The event commenced with a formal welcome address, followed by the felicitation of the guest speaker, **Dr. M.V. Leena Chandra**, Head and Associate Professor of Physics, Fatima College, Madurai. Dr. Leena Chandra delivered an enlightening lecture on the topic “**Renewables Now**”, which focused on the current global energy crisis, the role of renewable sources in combating climate change, and India’s progress in adopting solar, wind, and bioenergy technologies.

She elaborated on the importance of student involvement and research in the field of renewable energy and encouraged the audience to contribute to a greener future through innovation and awareness. The session was highly informative, engaging, and thought-provoking, drawing the active interest of both undergraduate and postgraduate students, as well as faculty members.

Around 80 students attended the session. The program concluded with an interactive Q&A session, followed by a vote of thanks.

The celebration of National Renewable Energy Day served as a platform to inspire young minds towards sustainable science and highlighted the significant role of physics in energy research and development.



Students' participation in intercollegiate meet PHYONICS- 2025 on 12.08.2025

Students from the Department of Physics participated in the 23rd Intercollegiate meet PHYONICS- 2025 organized by the Department of Physics, Sermathai Vasam College for Women, Madurai on 12.08.2025.

Paper Presentation

1. S. Heera Srija – III B.Sc Physics
2. J. Haseena Parveen – III B.Sc Physics

Quiz

1. Viveka Nandhini – III B.Sc Physics
2. M. Abinaya – III B.Sc Physics

Rangoli

1. M. Kanmani - III B.Sc Physics
2. B. Balambigai - III B.Sc Physics

Students' participation in Hands on Training on Thin Film Coating Technologies

Students from the Department of Physics participated in the Skill Development Programme & Hands on Training on “Thin Film Coating Technologies” organized by Madurai Kamarajar University, Madurai during 12-14th of August 2025. The following students took participation in the training programme.

- S. Abiya -I PG Physics
- G. Lavanya-I PG Physics
- S. Monika-I PG Physics

National Space Day Report 22.08.2025

The Physics Association of the PG and Research Centre of Physics, in collaboration with the IIC of JAC organized a special programme to celebrate **National Space Day** as Indian Knowledge system activity on **22nd August 2025**, with the objective of enhancing the understanding of the solar system and to engage the younger generation in the realm of space research.

As a part of the National Space Day Celebrations, various competitions were organized prior to the event in and around the campus on the theme “**Aryabhata to Gaganyaan: Ancient wisdom to infinite possibilities**”. On **14th August 2025**, competitions like Quiz, Rangoli and Verse writing were conducted for the students of Jayaraj Annapackiam College for Women (Autonomous), Periyakulam. Out of all the actively participated students the following students won the competitions

Quiz

S. Racheal (III B.Sc Maths)- 1 prize

A. Yuvasri (I M.Sc Maths)- 2 prize

Rangoli

R. Dharshini and K. Abirami (III B.Sc Chemistry)- 1 prize

I. Sabithanayagi and R. Kiruthika (III BCA)- 2 prize

Verse Writing

Sr. A. Jesu Mary (II MA English)- 1 prize

A. Honey Rose (I B. Sc Physics)- 2 prize

On **19th August 2025**, our Physis Association conducted competitions like Verse writing, Essay writing and Drawing on the same theme “**Aryabhata to Gaganyaan: Ancient wisdom to infinite possibilities**” for the students of Government Girls' Higher Secondary School, Periyakulam and the following students won the competitions.

Verse Writing

C. Bhakyasri (X-H)- 1 prize

V. Keerthiga (X-C)- 2 prize

Essay Writing

V. Bathmasharshini (XI-B)- 1 prize

R. Sadhana (XI-C)- 2 prize

Drawing

S. Subashini (VIII-D)- 1 prize

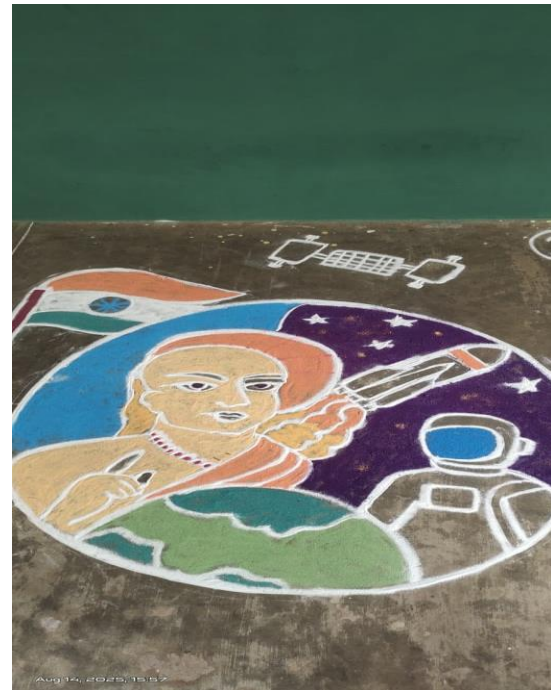
M. Mithra (VII-A)- 2 prize

On 22nd August 2025 the National Space Day Celebrations commenced with a formal welcome address, followed by the felicitation of the guest speaker, **Dr. A. Shanmugaraju**, Head and Associate Professor of Physics, Arul Anandar College, Karumathur, Madurai. Dr. Shanmugaraju delivered an enlightening lecture on the topic **“Wonders of the Sky: Indian Astronomical Wisdom in Modern Space Science”**, which focused on the Space research, illuminating the complexities of our universe and enhancing our understanding of the solar system. He elaborated on the importance of student involvement and research in the field of solar system. He explained the extensive initiatives of Indian Space Research Organisation (ISRO) to improve satellite technologies, enhance communication systems, and monitor environmental changes. The session was highly informative, engaging, and thought-provoking, drawing the active interest of both undergraduate and postgraduate students, as well as faculty members.

Around 80 students attended the session from in and around the campus. The students of JAC as well as the school students who won the competitions were awarded with medal and certificate during the programme. The event concluded with an interactive Q&A session, followed by a vote of thanks.

The celebration of National Space Day served as a reminder of the integral role that space research plays in improving our understanding of the universe while simultaneously providing solutions to earthly challenges.





Report on Intercollegiate Meet PHYSKNIT'25– 01.09.2025

On 01.09.2025, PG & Research Department of Physics, Fatima College (Autonomous), Madurai organized an Intercollegiate Meet (PHYSKNIT'25). Five UG students from the Physics Department participated and won prizes in various competitions.

I Prize in Spark Talk- Paper Presentation

1. S.Heera Srija – III B.Sc Physics

III Prize in Echo Stage: Ad -Act

1. J. Haseena Parveen– III B.Sc Physics

2. M. Kanmani – III B.Sc Physics

3. P. Srivalli– III B.Sc Physics

4. S. Monika– III B.Sc Physics

Teacher's Day Report– 04.09.2025

In celebration of Teachers' Day, the students of the Physics Department organized a series of thoughtful activities to honour the invaluable contributions of the staff members of Physics Department on 04.09.2025 in the PG Laboratory at 1.30 pm. The programme started with a prayer and the students also organized colourful dance events, singing events and conducted games for the staff members. Dr. M. Arulmozhi, Head & Associate Professor of Physics shared a thoughtful message during the celebration. The message highlighted and emphasized the critical role that educators play not only in imparting knowledge but also in shaping the future of their students. Overall, the Teacher's Day program for the Physics Department was a resounding success.

Report of the Ozone Day Competitions held on 18.09.2025

Under the auspices of Physics Association and in commemoration of Ozone Day Celebration, Quiz and Dumb Charade competitions were organized on the theme “Ozone: From Science to Global action” for the students of Physics Department on 18.09.2025. The following students won the prizes.

Quiz

I prize

1. Sr. J. Isabella Rahini – III B.Sc Physics
2. S. Salma – III B.Sc Physics

II Prize

1. J. Maria Jemimah – I B.Sc Physics
2. S. Ajitha Nilofar – I B.Sc Physics

Dumb Charade

I Prize

1. V. Nithya Dharshini – II M.Sc Physics
2. R. Reena Jasmin – II M.Sc Physics

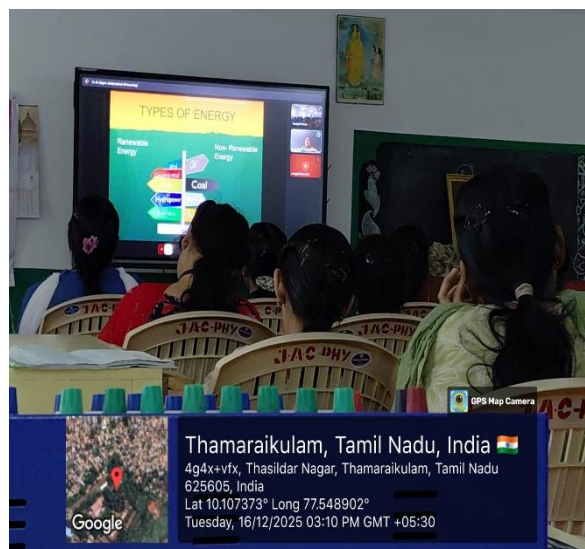
II Prize

1. S. Bodhusa – III B.Sc Physics
2. M. Kanmani – III B.Sc Physics



National Energy Conservation Day Report 16.12.2025

The Physics Association of the PG and Research Centre of Physics, in collaboration with the IIC of JAC organized a guest lecture to celebrate **National Energy Conservation Day** on **16th December 2025**, with the objective of raising awareness about the importance of energy conservation and to highlight the nation's achievements in energy efficiency and future scope of the field. The National Energy Conservation Day guest lecture commenced with a formal welcome address, followed by the felicitation of the guest speaker, **Dr. M. Ragam**, Assistant Professor of Physics, Fatima College, Madurai. **Dr. M. Ragam** delivered an enlightening lecture on the topic “**Green Energy Initiatives for Sustainable Development**”, which focused on the available energy sources and the futuristic applications of renewable alternative energy sources. She elaborated on the importance of student involvement and research in the field of energy conservation. Dr. Ragam explained the Energy-efficient technologies often have higher upfront costs. She also elaborated on the funding agencies which will aid in carrying out the energy conservation projects successfully. The session was highly informative, engaging, and stimulating, drawing the active interest of both undergraduate and postgraduate students, as well as faculty members. The lecture concluded with an interactive Q&A session, followed by a vote of thanks.



**Report on Intercollegiate Meet- 2026 Arul Anandar College (Autonomous),
Karumathur**

Department of Physics & Institutions Innovation Council of Arul Anandar College, Karumathur organized an Intercollegiate Meet PHYSAAC '2026 for UG students on 12.02.2026. III UG students of PG and Research Centre of Physics participated in various competitions and won the Rolling shield. The following are the winners

Paper Presentation

1. S. Heerasrija- I Prize

Model Display

1. A. Sumitha- I Prize
2. M. Deepa- I Prize

Connection

1. S. Bodhusa- I Prize
2. B. Balambigai- I Prize

Quiz

1. R. Jeresa- II Prize
2. S. Salma- II Prize



Report on Participation in the National conference organized by The Gandhigram Rural Institute- DTBU, Dindigul

Both I PG and II PG students of PG and Research Centre of Physics, JAC participated in the National Conference “Next Generation Materials and Energy Devices” organized by The Gandhigram Rural Institute- DTBU, Dindigul during 16 & 17th February 2026. The list of participants is enclosed.

I PG Students

25JPPHS01 - Abiya S

25JPPHS03 - Lavanya G

II PG Students

24JPPHS01 - Hemalatha A

24JPPHS02 - Jeyasri K

24JPPHS03 - Nithiya Dharshini V

24JPPHS04 - Priyadarshini T

24JPPHS05 - Rajadharani K

24JPPHS06 - Reena Jasmin R

24JPPHS07 - Sangeetha S

24JPPHS08 - Sivapriya S

24JPPHS09 - Sri Maha Vishnu C



Report on Participation in the National conference organized by Mannar

Thirumalai Naicker College, Madurai

Both I PG and II PG students of PG and Research Centre of Physics, JAC participated in the National Conference “Recent Trends in Sustainable Energy Materials (NCRSEM-2K26)” organized by Mannar Thirumalai Naicker College, Madurai on 24th February 2026. Five of the II PG students presented their research works. The list of presenters and participants is enclosed.

List of Students presenting paper

II PG Students

- 24JPPHS01 - Hemalatha A
- 24JPPHS02 - Jeyasri K
- 24JPPHS05 - Rajadharani K
- 24JPPHS06 - Reena Jasmin R
- 24JPPHS08 - Sivapriya S

List of Participants

I PG Students

- 25JPPHS01 - Abiya S
- 25JPPHS03 - Lavanya G

II PG Students

- 24JPPHS01 - Hemalatha A
- 24JPPHS02 - Jeyasri K
- 24JPPHS03 - Nithiya Dharshini V
- 24JPPHS04 - Priyadarshini T
- 24JPPHS05 - Rajadharani K
- 24JPPHS06 - Reena Jasmin R
- 24JPPHS07 - Sangeetha S
- 24JPPHS08 - Sivapriya S
- 24JPPHS09 - Sri Maha Vishnu C