

KERALA PHYSICS CONGRESS 2024

**9TH & 10TH NOVEMBER 2024
GOVT. ARTS & SCIENCE COLLEGE CALICUT**



**ORGANIZED BY THE ASSOCIATION OF PHYSICS TEACHERS - KOZHIKODE
IN COLLABORATION WITH PG & RESEARCH DEPARTMENT OF PHYSICS
GOVT. ARTS & SCIENCE COLLEGE, CALICUT**

Organizers



Government Arts and Science College, established in 1964, is a pioneering institution offering twelve undergraduate and eight postgraduate programs.

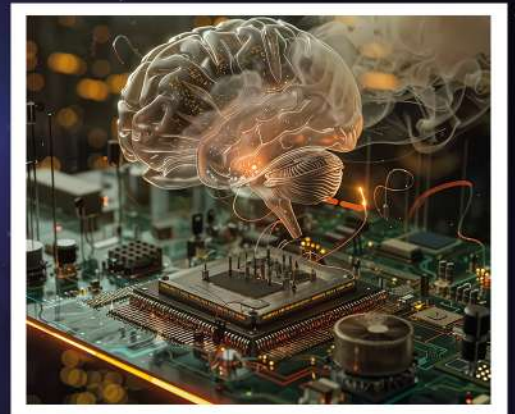
The Physics Department, one of the oldest in the college, was also founded in 1964. The BSc program in Physics was introduced in 1970, followed by the MSc program in 1998. In 2017, the department was elevated to the status of a research centre. The Department of Physics consistently promotes student support initiatives, fostering academic growth, research engagement, and outreach activities.



Association of Physics Teachers (APT) was established in the year 1996 with the aim of upgrading the quality of Physics Teaching strategies and learning process. For the last 28 Years the association has conducted so many orientation programmes and refresher courses for the students and teachers of the state. This annual programme “**Kerala Physics Congress**” has launched in the year 2013 with an objective of fostering and developing a research culture among students and teachers.

About the Programme

The Physics Congress is intended to be held every year. The conference focuses on the Higher Secondary science students and Teachers of the state. The aim of the programme is to provide an outstanding opportunity for students and teachers to learn a broad range of Physics topics, and initiate interactions with eminent personalities in the area of Physical Science. Further more it will foster communication and exchange of ideas among students of various backgrounds and interests. With an anticipated attendance of over 200 delegates, the congress is the most diverse professional meeting in the Higher Secondary Calender and represents an important occasion for the community keep up to date with breakthrough developments from around the world.



Preliminary Themes for Students

- Seminars
- Face to face
- Study by doing
- Sky watch
- Research opportunities.

Day 1: 09/11/2024 Saturday

- 8.30 AM : Registration
- 9.30 AM to 10 AM : **Inaugural Ceremony**
Chief Guest - Mr. M Santhosh Kumar
(Regional Deputy Director, HSE, Kozhikode)
- 10 AM to 11.15 AM : **Key note Address - Space Science in India**
Dr. S Suresh Babu (Head, ATRF, Space Physics Laboratory- VSSC)
- 11.15 AM to 11.30 AM : Tea Break
- 11.30 AM to 1.00 PM : **Physics - The Backbone of Technology**
Dr. Premlet B, (Prof. & Head (Rtd.)
Dept. of Physics TKM Engineering College, Kollam)
- 1 PM to 1.45 PM : Lunch Break
- 1.45 PM to 3.15 PM : **100 Years of Quantum Mechanics**
Dr. Harikrishnan (Asso. Prof., Dept. of Physics, Govt College, Madappally)
- 3.15 PM to 5.00 PM : **India's Mission to Sun-Aditya L1**
Dr. Sreejith Padinjatteeri
(Project Scientist & Operations Manager | SUIT onboard ADITYA-L1)
- 5.00 PM to 5.15 PM : Tea break
- 5.15 PM to 6.00 PM : Local Trip
- 6.00 PM to 7.30 PM : **Wonders of Night Sky**
Prof. Pappootty (Former HOD of Physics, Govt. College Madappally)
- 7.30 PM - 8.30 PM : **Sky watch at Regional Science Centre, Kozhikode**
- 9.00 PM - 9.30 PM : Dinner
- 9.30 to 10.30 PM : **Cultural Activities**
- 10.30 PM : Lights off

Day 2: 10/11/2024 Sunday

- 7.30 AM : Breakfast
- 8.00 AM to 9.00 AM : **Exciting World of Experimental Physics**
(At PG and Research Lab, Dept. of Physics)
Lead by Dr. Biju KP (Asso. Prof) Mr. Madhu N (Assit. Prof.)
- 9.00 AM to 10.30 AM : **Misperceptions in Physics**
Prof. Sethumadhavan, (Former HOD of Physics, SN College Chelannur)
- Parallel Session for Teachers** : **Subtle issues in Teaching Higher Secondary Physics**
Dr. K M Udayanandan (Asso. Prof. (Rtd.) Dept. of Physics, N_ASC, Kanjangad
- 10.30 AM to 10.45 AM : Tea Break
- 10.45 AM to 11.45 AM : **Physics Based Memory Models**
Prof. R K Sunil Kumar, (Director, Centre for Quantum Computing, Kannur University)
- Parallel Session for Teachers** : **Snippets of Electromagnetic Theory**
Dr. Ajith K M (Prof. Dept of Physics, NIT Karnataka, Surathkal)
- 11.45 to 1.00 PM : **Mathematical Methods in Physics**
Prof. Suresh Babu K, (Former HOD, Govt. College, Madappally)
- 1.00 PM to 1.45 PM : Lunch Break
- 1.45 PM to 3.00 PM : **What You Learned ? - A Quick Rewind**
Prof. Rajashekhar P K
(Former HOD of Physics, Govt. Arts & Science college Kozhikode)
- 3.00 PM to 4.00 PM : **Validatory Ceremony**
Chief Guest - Mr. M M K Balaji (Project Coordinator RSC, Kozhikode)

Patrons

Mr. Santhosh Kumar M

Regional Deputy Director, HSE, Kozhikode

Mr. K P Sudheer Babu

Former Secretary , Association of Physics Teachers

Mr. Sajee Mathew

President, Association of Physics Teachers

General Convener

Dr. Priya P

Principal, Government Arts and Science College, Calicut

Joint Conveners

Dr. Binitha M P

HOD, Department of Physics

Dr. Shyni P

IQAC, Coordinator

Mr. Muhammad Yoonus K

Treasurer, Association of Physics Teachers

Mr. Sumith P

Joint Secretary Association of Physics Teachers

Programme Convener

Mr. Anil Kumar T K

Secretary Association of Physics Teachers

College Level Coordinator

Dr. Aysha Muhsina K

Organising Committee

Mr. Prajeesh T Thathoth

Vice President Association of Physics Teachers

Mrs. Sheeja Chandran

Vice President, Association of Physics Teachers

Mrs. Archana N

Joint Secretary, Association of Physics Teachers

Dr. Randeep N C

Asst. Prof. Department of Physics, Govt .Arts and Science College, Calicut

Food and accommodation will be provided

For more Details :

Mr. Anil Kumar T K, Convener, Mob: **+9 1 9539 858520**