

NEWSLETTER

Message from the Head of the Department



Goodness is the cornerstone of our existence, the light that illuminates our path, and the force that inspires us to strive for excellence. As we embark on this new academic year, devoted to the noble theme of "Goodness," we are called to embody and reflect upon the virtues that uplift our scholarly community. Just as the natural world thrives on the cycle of giving and receiving, so too must we cultivate an environment where kindness, integrity, and compassion are at the forefront of all we do.

Let us take inspiration from the words of Galatians 6:9: "Let us not become weary in doing good, for at the proper time we will reap a harvest if we do not give up." This scripture reminds us that perseverance in goodness is key to achieving lasting success. In our department, let us commit to fostering a culture where acts of goodness are not only encouraged but celebrated, where every gesture of support and understanding contributes to a thriving, harmonious community.

As we move forward, I extend my heartfelt wishes and blessings to each member of our esteemed department. May this year be filled not only with intellectual growth but also with acts of kindness and generosity that strengthen our bonds and elevate our collective spirit. May the Almighty guide our actions, bless our efforts, and grant us the wisdom to cultivate goodness in all aspects of our work.

With blessings and best wishes,

Mrs. A. Lucas Rexceline

Editorial Team

The erudite editorial team, comprising Mrs. A. Lucas Rexceline, Dr. Sr. Jessie Fernando, Dr. S. Euchrista Immaculate Sylvia, Dr. M. Sheeba, Ms. P. Dhanalakshimi and Dr. P. Padmavathih has collaboratively crafted this newsletter with meticulous attention to detail and a keen eye for innovation. Their synergy has resulted in a publication that is at once informative, engaging, and visually stunning.

NEWSLETTER

Activities of the Association

The Physics Association has been instrumental in organizing a plethora of activities, that has benefited the students. These initiatives have not only augmented the academic experience but also nurtured a sense of community and camaraderie among the students.

ASSOCIATION MEETING

On 19.07.2023 Association meeting was organized by the Department of Physics, both UG & PG. Dr. S. Lincy Mary Ponmani, Assistant Professor of Physics, was the resource person She spoke about the role of Women in Physics



PHYSCOM 2023



On 23. 08. 2023 quiz competition was organized by the department of Physics. The quiz competition was organized for the higher secondary school students from various schools in and around Thoothukudi

INVITED TALK

On 22.09.2023 invited talk on the topic “Application of science in Space Research”. Dr. M. Xavier James Raj, was the resource person.



HANDS ON TRAINING



On 7.12.2023 and 8.12.2023, Two day lecture cum hands on training on "A Step By Step Guide for preparing and Characterising Recent Research Materials Dr. Sumithraj was resource person

NEWSLETTER

HANDS ON TRAINING

On 19.01.2024 one day lecture cum hands on training on "Analog Modulation". Dr. K. Jasmine, was the resource person. Totally 27 students of II B.Sc., Physics participated in this training



HANDS ON TRAINING



On 15.02.2024, one day lecture cum hands on training on "Getting Touch with Home Appliances". Mr. G. Samuel Muthuraj, was the resource person. Totally 35 students of III B.Sc., Physics participated in this training.

NATIONAL CONFERENCE

On 15.03.2024 one day National conference on "Exploring the Frontiers of Smart materials in collaboration with Pope's College (Autonomous), Dr. Arunai Nambiraj, Dr. Devaraj Singh, Dr. Sasikala Ganapathy, were the resource person. 47 staff and students from various institutions were benefited from the conference



COMMUNITY DEVELOPMENT PROGRAMME (CDP)

Republic Day



On 26.01.2024 CDP programme was conducted in Panchalankurichi village. The students participated in a Grama Sabha meeting. Later, the students joined the Republic Day celebration with school students. The special programmes like quizzes, mini games and Science experiments were also performed for the school students by our students.

Low cost and no cost activities

On a CDP program was conducted in Panchalankurichi village. Our students displayed their handmade jewelry, such as bangles made with silk thread, bead chains, earrings, and studs. They also taught the local students how to make the jewelry.



NEWSLETTER

Lab Activities

The department has conducted 92 lab activities, offering students hands-on experience in experimental physics. These activities have not only sharpened their practical skills but also instilled in them a spirit of scientific inquiry and exploration.

Mentor-Mentee System

The Mentor-Mentee System has been a resounding success, with 38, 27 and 35 students of I, II, and III years respectively benefiting from the guidance and support of experienced faculty members. This initiative has created a nurturing environment that brings up academic growth, creativity, and innovation.

Value added courses

The department has offered a certificate course on Office Automation for II-year students and career-oriented course on Python for III-year students, with 27 and 35 students enrolled respectively. These courses have provided students with specialised knowledge and skills, thereby enhancing their academic and professional prospects.

Alumnae Meet

Educational Tour/IV:

- 44 students have participated in the industrial visit to Priyatharshini Planetarium, Thiruvananthapuram/ Trivandrum, on 16.02.24 gaining valuable insights into industry practices, networking opportunities, and practical experience.

The Alumnae Meet, held on 13.04.2024, provided a platform for alumni to reconnect with the department, share their experiences, and forge meaningful connections with current students and faculty members.

PTA

The Parent-Teacher Association meeting, held on 06.02.24, 22.01.24 and 15.02.24 for the students of I, II, and III years respectively has provided a platform for parents to engage with the department, share experiences, and forge meaningful connections.

BoS

The Board of Studies meeting, held on 9.3.24 was attended by 4 external experts namely Dr. P. Selvarajan, Mr. F. Franko Vaz, Dr. Karpagavalli, Dr. R. Mary Mathelane and the department has successfully implemented the Choice-Based Credit System (CBCS) and Outcome-Based Education (OBE) framework. This has ensured a student-centric approach, flexibility, and accountability in the academic programme.

NEWSLETTER

- 31 students have participated in the industrial visit to Kodaikanal Solar observatory, Kodaikanal, on 16.10.23 and 17.10.23 gaining valuable insights into industry practices, networking opportunities, and practical experience.

Projects:

35 students from the III-year have completed 6 projects, demonstrating their research and problem-solving skills.

Students' Achievements

Students have achieved numerous accolades and prizes in academic and sports events showcasing their academic talent, creativity, and innovation. Ms A.Meena of III B.Sc Physics stood first prize in the district level poetry writing competition on 13.07.23

- Ms A. Esther jeni of II B.Sc Physics stood first prize in the state level essay writing competition on 28.08.23
- Ms J.George Sweetly of II B.Sc Physics stood first prize in the state level Logo designing competition on 28.08.23
- Ms M.Ganesha varsini of II B.Sc Physics stood first prize in the state level slogan writing competition on 28.08.23
- Ms k. Shobana of II B.Sc Physics stood first prize in the state level Logo designing competition on 28.08.23
- Ms J.GeorgeSweetly of II B.Sc Physics stood third prize in the



district level best Manger competition on 02.08.23

- Ms P. Jasmine gifta of III B.Sc Physics Participated in the inter college creative writing competition on 11.12.23
- Ms P.Jasmine gifta of IIIB.Sc Physics Participated in the inter department choral singing competition on 02.03.24
- Ms D.Jerlin Hepsiba of III B.Sc Physics stood third prize in the inter department collage competition on 02.03.24
- Ms A.Meena of III B.Sc Physics Participated in the inter department flower arrangement on 02.03.24
- Ms P.Jasmine gifta of III B.Sc Physics stood second prize in the inter college Quiz competition on 02.03.24

Sports

- Ms S. Neciha vijayatharshini of III B.Sc Physics secured the third place in the inter university Football competition on 1.12.23
- Ms L. Jenithra of III B.Sc Physics secured the first place in the inter

NEWSLETTER

college kho-kho competition on
1.2.24

NCC

Ms. J. Siva Ranjani of III B.Sc., Physics has attended the - IUC RDC CAMP at NTA, Idayapatti, Madurai from 17.07.2023 to 26.07.2023

Higher Education:

14 students have pursued higher education, reflecting the department's strong reputation, and commitment to student success.

New Faculty

The department has welcomed **Dr. P. Padmavathi** as a new faculty member on 23.11.2023

Research Publication/Presentation

The faculty members have published 2 research papers and presented papers at conferences and seminars. This underscores the department's commitment to academic excellence, research, and knowledge dissemination.

Dr. P. Padmavathi has published following research paper

- Investigation of excess thermo-acoustic behavior of binary liquid mixture with various temperatures using ultrasonic technique in the Macromolecular Symposia

- Green Synthesis and Characterization of Zinc oxide Carica Papaya leaf Extract in the Macromolecular Symposia

Participation in RC/OC/Seminars/WS

Faculty members have participated in numerous conferences, seminars, and workshops, engaging with peers, sharing research findings, and staying abreast of developments in physics.

Dr. S. Euchrista Immaculate Sylvia

participated in the National Seminar on the topic Navigating Consultancy, Filing Patent and Designing Research Article: Insights and Strategies on 20.01.2024

Mrs. A. Lucas Rexceline attended the following

- International Faculty Development Programme on the topic Advanced Functional Materials: Energy, Environment and Sustainable Development on 26.02.2024–05.03.2024
- National Level Online Faculty Development Programme on the topic Research Methodology: A Paradigm Shift on 14.07.2023-16.07.2023

NEWSLETTER

Dr. M. Sheeba attended the following

- International Faculty Development Programme on the topic Advanced Functional Materials: Energy ,Environment and Sustainable Development on 26.02.2024–05.03.2024
- Two week inter discipline – ary Refresher Course on the topic Advanced Research Methodology on 23.10.2023–06.11.2023

Ms. P. Dhanalakshmi attended the following

- International Conference on the topic Global trends in sustainable technology and its applications in applied science on 30.10.2023-31.10.2023
- Refresher Course on the topic Advanced Research Methodology on 23.10.2023-06.11.2023

Dr. P. Padmavathi Workshop Hands on Training Programme on the topic “Synthesis of Crystalline Materials and Their Structural and Optical Characteristics” on 12.01.24 and 13.01.24