

# NEWSLETTER

## Message from the Head of the Department



Harmony is the essence of existence, the pulse of creation, and the guiding hand that steers us to the pinnacle of excellence.

As we step into this academic year, dedicated to the admirable theme of "Harmony," we are urged to reflect deeply on the spirit of unity and concord within our scholarly community. Just as the laws of physics reveal the inherent balance within the cosmos, so too must we strive for balance within our department, nurturing a milieu where every individual's contribution resonates in perfect symphony.

Let us take to heart the wisdom found in Ecclesiastes 4:9-10: "Two are better than one, because they have a good return for their labour. If either of them falls down, one can help the other up." This scripture reminds us that collaboration and mutual support are the pillars upon which great achievements are built. Let us ensure that our department remains a citadel of collegiality, where every member is valued and every voice is heard.

In conclusion, I extend my sincere wishes and blessings to each member of our esteemed department. May this year be one of not only intellectual enrichment but also of profound peace and mutual uplifting of one another.

May the Almighty guide our steps, bless our endeavours, and grant us the wisdom to nurture harmony.

With blessings and best wishes,

Dr. S. Euchrista Immaculate Sylvia

## Editorial Team

The erudite editorial team, comprising Dr. S. Euchrista Immaculate Sylvia, Dr.Sr. A.S.J. Lucia Rose, Dr. Sr. Jessie Fernando, Mrs. A. Lucas Rexceline and Dr. M. Sheeba 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.

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## 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.

### Inaugural Function of the Students' Chapter, USI

The Department of Physics, conducted the inaugural function of the Students' Chapter of the 'Ultrasonics Society of India' (USI), New Delhi, on 18<sup>th</sup> July 2018.

### PHYSCOM-2018

An Inter-school quiz competition PHYSCOM-2018 was conducted on 24.08.2018.



A Skill Development Programme on “Smart Phone Servicing” in association with New Technology, Coimbatore, on 28<sup>th</sup> and 29<sup>th</sup> September 2018.

Ms. S. Shanmuga Priya, Mr. K. Karthik, Ms. P. Manimegalai, Ms. R. Ranjitha and Mr. N. Jefrin Paul Inbam of New Technology, Coimbatore were the resource persons.

### Hands on Training on Solar Appliances

A one-day hands on training was organised on “Solar Appliances” as a “Skill Development Programme” in association with C. M. Solar, Rajapalayam on 20<sup>th</sup> February 2019.

Mr. C. Muthukumar M. E., Proprietor of C. M. Solar, Rajapalayam, underlined the importance of solar power and gave training in solar power installation to about 80 students.

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## CDP

### Socio, Economic Survey – Mettupatti

On 20.07.2018 CDP programme was conducted in Metupatti area. Students visited the houses and collected the information about their economical status, social status and difficulties in their life.



### Prison Ministry of India – Bethany

On 29.09.2018, Dr.Sr.Decla Mary and Sr. Amalitta Mary gave an emotional and thought provoking talk about Prison Ministry of India.



### Plastic awareness program – Korampallam

27.10.2018 CDP programme was conducted in Korampallam area. The students gave a plastic awareness program. They formed human chain with the school students and people in that area. They used flash cards and slogans about eradicating plastics.



### Tree plantation and Republic Day celebration– Korampallam

On 26.01.2019, CDP programme was conducted in Korampallam. The students are participated in tree planting programme in collaboration with “WE CAN TRUST” social welfare organisation.



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Later, the students joined the Republic Day celebration with students of T.D.T.A

Perinbam Ammal Middle School, Koramballam.

The special programmes like Patriotic song, Awareness dance regarding 'Agriculture', a taught provoking talk about 'Republic day' was performed by the students. Finally, students visited around 61 houses and survey was taken.

## **Survey– Korampallam**

On 02.02.2019, students visited around houses, and collected the information about economical, social status of people. They identified their problems such as water scarcity, unclean drainage and lacking of waste disposal.



## **Vote Awareness– Korampallam**



On 16.03.2019, students visited the various streets of Korampallam and gave the awareness about voting. Several slogans were recited by the students to create awareness about voting. Students insisted the people not to get money from any political parties.

## **Lab Activities**

The department has conducted 94 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 47, 43 and 47 students of I, II, and III years respectively benefiting from the guidance and support of experienced faculty

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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 Basic computer hardware and networking for II-year students and career-oriented course on Web Designing and Multimedia for III-year students, with 39 and 47 students enrolled respectively. These courses have provided students with specialised knowledge and skills, thereby enhancing their academic and professional prospects.

## **Alumnae Meet**

The Alumnae Meet, held on 02.03.2019, 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 06.10.2018 and 11.08.2018 for the students of 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 16.02.2019, was attended by 3 external experts namely Dr. S. Shailajha , Dr. J.Jebaraj Devadasan and Dr. Therese Pushpam 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.

## **Projects:**

47 students from the III-year have completed 9 projects, demonstrating their research and problem-solving skills.

## **Students' Achievements**

Students have achieved numerous accolades, including 14 prizes in national and international competitions, showcasing their academic talent, creativity, and innovation.

- Ms.K.Sheeba Ebenezer of III.B.Sc. Physics stood second prize in the inter collegiate Quiz/Poem competition held on 3.8.2018.
- Ms.A.Fathima Thaulath of III. B.Sc.,Physics was secured first prize in the district level – drawing competition held on 01 02 .2019.

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- Ms. M.Ishwaryaa of I.B.Sc.,Physics bagged the first prize in the inter collegiate chart preparation competition held on 27.02.2019.
- Ms. Anisha Nashrin and Ms. Emelda Agnes Fernando of II.B.Sc., Physics stood first prize in the inter collegiate chart preparation competition held on 27.02.2019.
- Ms. Ani Miraclin of I Physics was secured third prize in the inter department light music competition held on 28.02.2019.
- Ms. Ani Miraclin, Ms. Malai Mathu Abitha, Ms.Angelin Nikitha ,Ms .Emelda Agnes Fernando of II.B.Sc., Physics and Ms. Gifty Kiruba Rani of I Physics was secured third prize in the inter department light music competition held on 28.02.2019.
- Ms. S.Priya of II .B.Sc.,Physics bagged second prize in the in the inter department creative painting competition held on 28.02.2019.
- Ms. S.Najiya Haseena and Ms. Antony Pearlin of III .B.Sc.,Physics stood first prize in the state level – vegetable carving held on 01 .02. 2019.

## Sports

- Ms.A.Shalom Abinaya of I.B.Sc., Physics stood first prize in the inter university – Volley Ball Competition held on 01.01.2019.
- Ms. J. Christy Chithra. Ms. S. Deena Liyanika, of I B. Sc., Physics and Ms. M. Nithya Priyanka of III.B.Sc., Physics was secured first prize in the state level hand ball competition of the year 2018 – 2019.

## NCC

- Ms. S. Poulet Manusha of III. B.Sc., Physics attended the CATC – CUM – IUC TSC (B) & (G) -2018 at NTA, Idayapatti, Madurai from 05.06.2018 to 14.06.2018 and stood Second position in JD & FS.
- Ms. S.Priya of II .B.Sc., Physics attended the CATC – CUM – TSC (B) & (G) GP LAUNCH at NTA, Idayapatti, Madurai from 29.06.2018 to 08.07.2018 and stood first position in Elocution
- S.Aparna of II .B.Sc.,Physics attended the CATC – CUM – TSC (B) & (G) GP LAUNCH at NTA, Idayapatti, Madurai from 29.06.2018 to 08.07.2018 and stood first position in Debate.

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- Ms. P.Ramani of II.B.Sc., Physics attended the CATC – CUM – TSC (B) & (G) GP LAUNCH at NTA, Idayapatti, Madurai from 05.06.2018 to 14.06.2018 and stood first position in solo song.

## **Higher Education:**

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

## **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. Sr. A.S.J. Lucia Rose** attended the followings

- National conference on the topic “Changing Landscape of Higher Education in India and Impending from 22.09.2018 to 23.09.2018.
- One day Workshop on MOOCs through SWAYAM on 19.11.2018.

**Dr. S. Euchrista Immaculate Sylvia** attended the followings

- National Seminar on the topic Fostering “Transparency: Routing out Plagiarism A to Z” on 20.07.2018.

**Mrs. A. Lucas Rexceline** attended the followings

- National Seminar on the topic Fostering “Transparency: Routing out Plagiarism A to Z” on 20.07.2018.

**Dr. M. Sheeba** attended the followings

- National Conference on the topic “Energy Materials- 2018” on 28.06.2018 and 29.06.2018.
- International Conference on Functional Materials and Nanotechnology (ICFMN-2019) on 25.01.2019.
- State Level Workshop on the topic “Creating Blog for Google Generation in the 2.0 World” on 12.03.2019.
- State level Workshop on the topic “E-Content: Processing and Development” on 18.03.2019 and 22.03.2019.

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**Mrs. P. Dhanalakshmi** attended the followings

- National Seminar on the topic Fostering “Transparency: Routing out Plagiarism A to Z” on 20.07.2018.
- Workshop on Scholarly writings and Publishing research papers on 02.02.2019.
- State Level Seminar on the topic Advance Materials- SSAM’19 Lock down on 16.03.2019.