

PHYSICS ASSOCIATION REPORT 2018-19

For the academic year 2018-19, Dr. Rajani Jacob served as the Lecture in charge of Physics Association. Following students were selected as the office bearers.

Association Secretary: Ms. Niya Merrin Mathew (II DC Physics)

Committee Members: Ms. Aiswarya Muraleedharan (III DC Physics)

Ms. Anjana Ajith (II DC Physics)

Ms. Sara Abey (I DC Physics)

The Physics Association activities for the year 2018-19 were officially inaugurated on 13 August 2018 by Dr. Manju T, Asst. Professor, Dept. of Physics, Sree Sankara College, Kalady and presented a science lecture on the topic 'Introduction to Nanotechnology'. With the whole hearted support of the Head of the Department and the teachers, Physics department initiated and supported various social activities, training programmes and coaching for curricular and extra-curricular activities.

- **FLOOD RELIEF ACTIVITIES**

Department of Physics had organized widespread flood relief activities. Our final year students had actively participated in cleaning program of flood affected houses, organized by the college. Teachers and students had collectively contributed Rs 5250/- to the university flood relief fund. Besides, the department also distributed bags, pens and books worth Rs 5000/- to flood affected students in the Ashramam School. Teachers and students had also contributed groceries to NSS flood relief campaign.

- **LED STAR MAKING**

As a continuation of the previous years, in 2018 too, the students of our department made LED stars which were put for sale. We donated the profit obtained from the sale to Abhaya Bhavan, Koovappady. We celebrated Christmas with the inmates of Abhayabhavan. Students presented various dance and musical programmes. The Abhayabhavan inmates also presented their different abilities and it was a memorable experience.



- **ZONAL CENTRE TRAINING PROGRAM**

Department of Physics in association with Makeintern group and E-cell of IIT Kharagpur, organized a Zonal Centre Training Program in Marthoma College for Women, Perumbavoor on 15 and 16 November, 2018. Dr. Thaipasanthi from *Kalasalingam University* was the resource person. The training programme was on the relevant topic “Synthesis of Nanomaterials”. Around 45 participants registered for the training sessions. Participants include faculty members, students from our college as well as other colleges.



- **COMPETITIVE EXAMINATIONS AND COACHING**

Talent Search Exam (TSE-2018) was conducted on 15 December 2018 in association with Academy of Physics Teachers (APT). 30 students from first, second and third year classes attended the exam.

Every year the Department celebrates days of national and international importance. This year the different days celebrated are:

➤ **WORLD ENVIRONMENT DAY CELEBRATIONS :**

The Department had organized a craft competition to make useful things out of plastics and other waste materials on 5 June 2018. Students from different departments actively participated in it.



➤ **NATIONAL ENERGY CONSERVATION DAY CELEBRATIONS:**

National energy conservation day was celebrated on 14 December, 2018 in collaboration with Energy Management Centre (EMC) and SAIF, Muvattupuzha. As a part of this we conducted an awareness rally from Perumbavoor town to the college and the rally was inaugurated by Adv. Eldhose Kunnappilly MLA. It highlighted the importance of energy consumption and its use in our day-to-day life, its scarcity and its impact on sustainability of global eco systems.



➤ NATIONAL SCIENCE DAY CELEBRATION

National science day had been celebrated on 22 February, 2018 in collaboration with Academy of Physics Teachers, Kerala. As a part of this, a sky watch programme had been conducted on 1st and 2nd March 2019. Dr. N. Shaji, Retired Principal, Maharaja's College, Ernakulam, was the resource person. Students, faculty members and local people also attended the programme. The clear and beautiful images of Jupiter, Saturn, Moon and different constellations and the presentations were really informative.



MANUSCRIPT MAGAZINE

‘COSMOS’, the handwritten magazine was prepared by the active involvement of all the Physics students. It includes the relevant and interesting Physics topics, artwork, crossword etc.

FAREWELL

II and I year students bid a warm farewell to the final year students with lunch and entertainment programmes.

ACHIEVEMENTS

Students are always motivated to participate in all the extra-curricular activities and various competitions. The major achievements of the year 2018-19 are listed below:

- Seven students of B.Sc. final year were placed in Tata Consultancy Service.

- Five final year students bagged top positions in the University examinations. Anjana K S -3rd rank, Aiswarya Muraleedharan- 6th rank, Afnitha Kareem-7th rank, Anupama Ravikumar-9th rank, Anju T M-10th rank.
- Final year degree students had got KSCSTE student project under the SPYTiS-II scheme with financial aid.
- Arsha S. Kumar of II B.Sc. Physics got Summer Research Fellowship programme at IISER, Mohali.
- Arya Sivan of II B.Sc. Physics secured A grade (Hindi Essay writing) in Mahatma Gandhi University Kalolsavam- ALATHALAM-2019.
- Aiswarya Muraleedharan of final year B.Sc. Physics had qualified the national level exam Joint Admission test for M.Sc (JAM).
- Varsha M Vijay of II B.Sc. Physics secured first prize in intercollegiate Essay Writing competition on Artificial Intelligence and second prize in intercollegiate Quiz competition conducted by Dept. of Physics, St. Xavier's college, Aluva.
- Jinu John of II B.Sc. Physics secured second prize in intercollegiate Essay Writing competition on Artificial Intelligence and Quiz competition conducted by Dept. of Physics, St. Xavier's college, Aluva.
- Anitha Thomas of I B.Sc. Physics secured second prize in intercollegiate Poster Designing competition conducted by Dept. of Physics, St. Xavier's college, Aluva.