

# DEPARTMENT OF PHYSICS: ANNUAL REPORT 2019-20

The classes for III and V semester Bsc programme and III semester MSc programme started on 6<sup>th</sup> June 2019. I semester BSc and MSc programmes were officially started on 2<sup>nd</sup> July 2019 and 1<sup>st</sup> August 2019, respectively.

## I. STUDENT STRENGTH.

PROGRAMME	YEAR	STUDENT STRENGTH	Total
BSc Physics	I Year	48	127 (BSc)
	II Year	42	
	II Year	37	
MSc Physics	I Year	16	28 (MSc)
	II Year	12	
TOTAL STUDENTS			<b>155</b>

## II. UNIVERSITY EXAMINATION RESULTS

PROGRAMME	No of students attended the examination	No of students passed	Pass %
BSc Physics			Result awaiting
MSc Physics			Result awaiting

## III. NEW APPOINTMENTS.

Three faculty members are newly appointed in the department. The details are as under.

Sl.No:	Name	Designation	Remarks
1	Nidhin Soman	Assistant Professor	
2	Amaya Sivan	Assistant Professor	
3	Muhammad Javad	Assistant Professor (DD Guest)	

## IV. DEPARTMENTAL ACTIVITIES.

### 1. WORLD ENVIRONMENT DAY 2019 :



World environment day 2019, is celebrated with an invited talk on the topic “ **Air Pollution- Causes and Controls**” on 24-06-19, Monday, with the support of Kerala State Council for Science, Technology and environment (KSCSTE). **Dr. NISHANTH P**, Dept of physics, Sree Krishna College, Guruvayoor was the resource person.

## 2. INTERACTION WITH ALUMNI RESEARCHER



An alumnus of the department Dr. Najeeb PK, Post. Doctoral Research fellow, at Stockholm University has interacted with the UG and PG students of the department on 02/07/2019. Dr.Najeeb PK has Completed his PhD from IIST, Trivandrum.

## 3. POSTER PRESENTATION – LUNAR LANDING DAY:



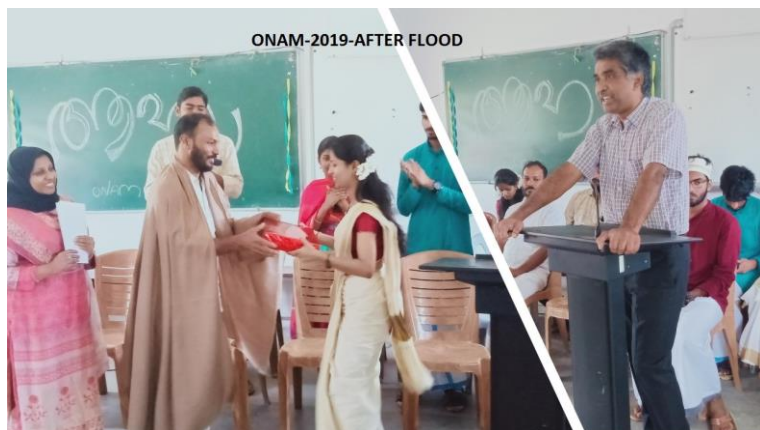
The physics department arranged a poster presentation on 21<sup>st</sup> July 2019, in the anniversary of lunar landing of Appollo 11 Mission..

## 4. APJ ABDUL KALAM DAY:



The department celebrated **APJ day** with special lab sessions for III year BSc physics students on the death anniversary of DR. APJ Abdul Kalam on 27<sup>th</sup> July 2019.

## 5. ONAM 2019



The Onam 2019 is celebrated in the department in a quite simple manner. In the meeting **Mr. Ashraf Manoth**, Lab assistant of the department is honored for his contributions as a social worker during the flood season.

## 6. ASSOCIATION INAUGURATION



The Physics association for the academic year 2019-20 was inaugurated on 16/12/2019 by **Dr. Aysha Muhsina**, Assistant Professor, Govt. College, Kalpetta. Dr. KG Biju, HOD presided over the function and the Principal Dr. TP Muhammad Fareed Delivered the principal's remarks. Dr. Aysha Muhsina is an Alumna of the department. In the meeting **Mr. Kiran Divakar**, alumnus of the department is honored, for achieving 10<sup>th</sup> Rank in GATE and 24<sup>th</sup> rank in the CSIR UGC NET/JRF examination. Dr. Aysha Muhsina has delivered a talk on "Introduction to solitons". The association

secretary, Mr. Muhammed Mahir, welcomed the gathering.

## 7. Solar Eclipse 2019



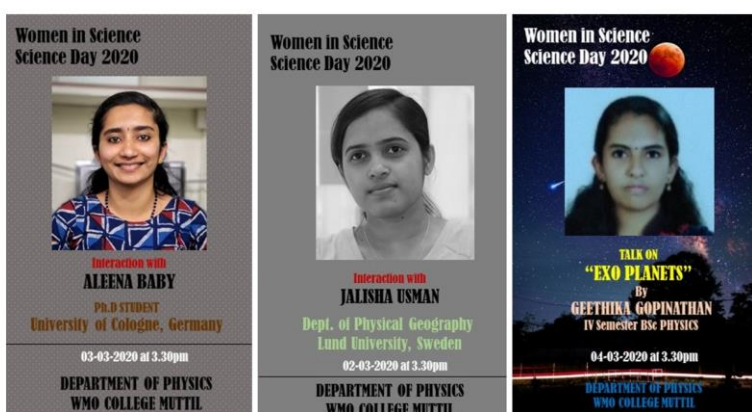
The department arranged facilities at different places to watch the annular solar eclipse on 26<sup>th</sup> December 2019.

## 8. STUDY TOUR



The department conducted a study tour to **Kodaikkanal solar observatory**, under Indian Institute of Astro physics and Astronomy (IIA) in January 2020. 32 students of Final year BSc physics students and 04 Faculty members participated.

## 9. WOMEN IN SCIENCE-SCIENCE DAY 2020



The department of physics celebrated the science day 2020 with four programmes.

1. On 28/02/2019 department organized a **video presentation on “Women in Science”**.

2. **Ms Jalisha TK**, Research scholar of Lund University, Swedan and an alumna of the department interacted with the students on 02/03/2020 about her research works.

3. A similar session was conducted on 03/03/2020, in which another alumna,

**Ms. Aleena Baby**, Research scholar, University of Cologne, Germany interacted with the students.

4. On 04/03/2020, **Ms. Geethika Gopinath**, IV semester BSc physics, Delivered a talk on “Exo planets”.

## 10. WORLD WET LAND DAY CELEBRATION 2020



The department of physics in association with the department Chemistry organized a talk on the topic **“Wet Land Eco Systems”**. **Dr. AS Maheswari**, Head, Department of Zoology, Seethalakshmi Ramaswamy college, Thiruchirapally was the resource person. Prof. Thomas Thevara, Head of the chemistry department welcomed gathering and Dr. Biju KG, head of physics department presided over the function. Mr.

Hashim NK ( Assistant Professor in physics) presented memento to the chief guest.

## V. PAPER/ POSTER/ INVITED TALKS BY FACULTY:

1. **Biju KG et.al** presented a poster entitled “**GMRT unveils the longest uninterrupted ~650 Kpc jet of a Giant radio galaxy**”-, in the conference on ‘A Centenary of Astrophysical Jets: Observations, Theory, and Future Prospects’, which is held between 23-26th July 2019 at the SKA Global Headquarters, Jodrell Bank Observatory, UK.
2. **Biju KG** has delivered an invited talk entitled “**Formation of elements in the Universe**” in the workshop “**Concepts in Astrophysics**” conducted at Marthoma college, Chungathara on 26-11-2019.
3. **Biju KG** has delivered an invited talk entitled “**Formation of elements in the Universe**” in the seminar on “**Astrophysics**” conducted at Govt. college, Manathavady on 23-01-2020.
4. **Biju KG** has delivered an invited talk entitled “**Formation of elements in the Universe**” in connection with Science day at Govt. college, Madappally on 04-03-2020.

## V.ACHIEVEMENTS OF STUDENTS:

- Mr.Abdul Khadar (II BSC physics ) Secured first prize in the science quiz competition conducted at Mary Matha College, Manathavady.
- Mr. Abdul Khadar and Fayis(both II BSC physics ) were selected as the best team in the marketing competition conducted at Imam Gazali college, Anjukunnu.
- Ms. Geethika Gopinath of II BSc physics secured II prize in the essay competition conducted by the Forests and wild life.
- The Students of physics department actively participated in the F zone competition and bagged many prizes.
- A large fraction of the students of the department are members of Bhumithra Sena and NSS and NCC.
- A large fraction of the students were served as volunteers of District disaster management team during the flood in 2019.

## VI. TEACHERS ATTENDED VARIOUS PROGRAMMES:

- **Mr. Hashim NK** has attended the two day workshop on LATEX at Government Arts & Science College, Meenchantha.
- **Mr. Muhammad Javad** has attended the ICTE workshop conducted at Farook College, Kozhikkode.
- **Mr. Muhammad Javad** has attended the seminar on physics fundamentals at Nilgiri Arts & Science College.

## VII. POSITIONS HELD BY FACULTY MEMBERS

- **Mr. Biju KG** is selected as the member of UG Board of studies, University of Calicut.
- **Mr. Biju KG** is the chairman of even semester UG CV/CMV camps of Calicut University in the Wayanad region.
- **Mr. Biju KG** is the chairman of UG physics Practical examinations of Calicut University in the Wayanad region.
- **Mr. Biju KG** served as the IQAC Co-ordinator.
- **Mr. Biju KG** is a member of college Council.
- **Mr. Hashim NK** is the officer in charge of NCC.
- **Mr. Hashim NK** is the coordinator of Basic amenities cell of the college.

**VIII. BEST PRACTICES**

- The department collects used books from senior students and give it to the needy students.
- The department has arranged a honesty shop, were students will get paper, pen, pencil, rubber etc . and the money can be deposited in the box there. This is introduced to inculcate moral values like honesty and trust in the students.