This annual report will provide an overview of the department's activities during the past year, including academic achievements, research accomplishments, and outreach efforts. This year we organized several programs including seminars, invited talks, exhibitions etc. We invited scholars from other institutions to share their research and exchange ideas with our faculty and students.

I. ACADEMIC PROGRAMS OFFERED BY THE DEPARTMENT

Sl. No.	Name of the Program	Aided / self financing		
1	BSc Physics	Aided		
2	MSc Physics	Self financing		

II. DETAILS OF FACULTIES

Sl. No.	Name of the Faculty	Designation	Qualifications	NET/JRF / GATE/ SET	PhD/ M.Phil.
1	Biju KG	Associate Professor	MSc, MPhil	Nil	MPhil
2	Hashim NK	Assistant Professor	MSc	NET	Nil
3	Joseph MV	Rtd. Professor	MSc	Nil	Nil
4	Sumeesha KL	Assistant Professor	MSc	Nil	Nil
5	Febina CK	Assistant Professor	MSc	Nil	Nil
6	Shamna KH	Assistant Professor	MSc	Nil	Nil
7	Neeraja Krishna	Assistant Professor	MSc	Nil	Nil
8	Shemeena P H	Assistant Professor	MSc	Nil	Nil

III. STUDENTS STRENGTH

programme	year	student strength	Total	
BSc Physics	I Year	41		
	II Year	36	114 (BSc)	
	III Year	37		
MSc Physics	I Year	12	23 (MSc)	
	II Year	11		
	137			

IV. UNIVERSITY EXAMINATION RESULTS

programme	No of students attended the examination	No of students passed	Pass %
BSc Physics	28	22	79%
MSc Physics	12	9	75%

V. Details of Teachers, who are/were participated in Seminars/Workshops/ Conferences/ Other assignments (Other than Orientation/Refresher)

Name of the faculty	No of programs attended	From	То	No of days	level	Item	Particulars	organizing institute
Biju K G	1		17/02/201 8	five	Internati onal	Worksho p	Indo-French workshop	IUCAA
	1	28/10/201 7	29/10/201 7	Two	State	FDP	Higher Education Revolutionize your new gents to challengers	Lead college , Palakkad
	2	1/12/2017	2/12/2017	Two	National	Conferen ce	Astronomy research opportunities and challenges	WMO Arts and science college muttil
Hashim N K	3	4/12/2017	5/12/2017	Two	State	Seminar	Second law of Thermodynamics and Dirac delta function	CKG Govt College Perambra
	4	17/01/201 8	06/02/201	fourtee n	National		Electronics,Elect rical and Communication Engineering	University of Hyderabad
	5	17/03/201 8	17/03/201 8	one	State	Worksho p	Paristhikam Environment activity training	Directorate environment and climate change
	6	05/04/201	07/04/201	Three	National		Curriculum Design through Moodle	Central university of Kerala

The Various activities of the Physics department for the year 2017-18 are summarized below.

VI. INVITED TALKS

Department conducted 2 invited talks in the academic year 2017-18.

- 1. Sri. Chintak Murali, Research scholar IIA, Bangalore has given a talk on "Gravitational Waves" on 13/12/2017.
- 2. Sri. Aliyas KP has taken a class on 14/11/2017 on the topic "The need of scientific attitude" in connection with Kerala rally for Science.

VII. SEMINARS AND WORKSHOPS CONDUCTED:

1. Regional Astronomers meet

The 4th regional Astronomers meeting on "Research in Astronomy-Opportunities and challenges" was conducted by the Department of physics, during 1-2 December 2017. The Programme was inaugurated by Prof Ranjeev Misra (IUCAA) and presided over by Dr. TP. Muhammed Fareed, Principal of the college. In the two day meeting a total of 27 presentations, each of 15 minutes duration were made by research students. The topics covered were on cosmology, AGN, Stars, ISM, IGM, Galaxies, Gravitational waves, Instrumentation and machine Language. A total of 40 research scholars from IIST, TVM; IUCAA, Pune; NCRA, Pune; IISER, Kolkata; CUSAT, MG University, Calicut University, Christ University, Bangalore and Pondicherry University were participated. In addition to it there were 7 review talks by senior These talks were given by Dr. VC Kuriakose, (CUSAT) Annapurni faculty members. subramaniam (IIA), Charles Jose (CUSAT), Dr. Indulekha (MG University, Kottayam), Dr. Blesson Mathew (Christ University) and Dr. Sajith Ninan Philip (St. Thomas college, Kozhencher)). Dr. Joe Jacob (Newman college, Thodupuzha) and Prof. Ranjeev Misra (IUCAA) were the academic coordinators. Mr. Biju KG (Department of physics) officiated as the organising secretary.





2. Science fest 2018

The department organized a one day seminar 'Science fest 2018' in connection with National Science Day on 27-02-2018, with the support of KSCSTE, Trivandrum. Sri. Sabu Jose (Science writer) delivered a talk on science and pseudo-science and Dr. Muhammed Shafi (Former HOD, Dept of Chemistry, University of Calicut) delivered a talk on science and society. More than 100 students participated in this seminar



VIII. EXTENSION PROGRAMMES:

- 1. Department has taken initiative to pass information and publicity among the staff and students about the importance of watching the super blue blood moon, a rare phenomenon that happened on 31st January 2018.
- 2. The departmental students and staff participated in the 'Ralley for science' arranged at Kalpetta with the support of KSCSTE.



IX. PHYSICS ASSOCIATION

- The Physics Association was formally Inaugurated by Sri. Chintak Murali on 13-12-2017 and Principal Dr. Fareed Muhammed Presided over the function.
- All the action plans of the physics department are implemented through the physics association.

X. ACHIEVEMENTS OF THE STUDENTS

- Aparna KM got selection in Kasargod central university for MSc physics program.
- 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.

XI. BEST PRACTICES

- The department collects used books from senior students and gives them to needy students.
- The department has arranged an honesty shop, where 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.
- Constant contact with alumni and their academic support to department
- Very friendly teacher –taught relationship