

Annual Report 2020-2021

We have an active physics association, with annual programs for student curricular and extra-curricular development. However, due to COVID-19 pandemic, we were handicapped in conducting programs at college. Within the limitations, we organized a few programs through online mode. The detailed report of the same is given below.


Report on the Very. Rev. T. M. Samuel Ramban Lecture Series 2021

The Post Graduate Department of Physics conducted the Very. Rev. T. M. Samuel Ramban Lecture Series through Google meet on 6th and 10th of February 2021 at 7.00 pm (on both days). This lecture series is instituted by Mr. Jacob Thomas (Former H.o.D of Department of Physics) in the fond memory of his mentor Very. Rev. T. M. Samuel Ramban. The lecture series is conducted biennially.

On the first day of the series(6th February 2021 at 7.00 pm IST), the meeting started off with an invocation by a graduate student. The department head, Ms. Shibi Krishnan welcomed the dignitaries and attendees. Dr. K. P. Laladhas, principal, delivered the presidential address. Following this, Dr. Achamma George gave her inaugural speech and officially inaugurated the lecture series. Rev. Fr. Dr. Roy John felicitated the efforts and initiative of the department. This year we had two prominent Physicists as resource persons for delivering their knowledge to students and teachers.

One of the resource persons, Dr. VijuOommen John is a proud alumnus of our college. He is presently working as a Climate Product Expert at EUMETSAT, Germany. He delivered a talk on “Monitoring Earth’s Weather and Climate using Satellites” on 6th February 2021. His expertise in the area of weather forecasting was well transferred to the audience, especially students, through interesting pictures, schemes, graphs and animations supported by his simple scientific language. An open discussion at the end of the webinar gave ample opportunity to students and teachers for a detailed interaction with the resource person. We had approximately 70 participants for this talk.

On 10th February 2021, we had a lecture by Dr. VaisakhanThampi, Assistant Professor in Physics, Mahatma Gandhi College, Trivandrum. His talk was on the “Physics of road Safety”. The talk was really informative and an alert to the youngsters for being more cautious while driving. He beautifully explained the physics behind the different possibilities of accidents. Using calculations and tables, he could convince the audience that accelerating the vehicle earns only a very small gain of time saving towards a destination, but it calls for fatal situations on road. We had approximately 60 participants for this talk.



**ST. STEPHEN'S COLLEGE
PATHANAPURAM, KOLLAM**

**Very.Rev. T. M. SAMUEL RAMBAN
LECTURE SERIES**

6th and 10th February 2021

RESOURCE PERSONS

Dr. Viju Oommen John Climate Product Expert, EUMETSAT, Germany	Dr. Vaisakhan Thampi Asst. Professor, M. G. College Trivandrum
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Organized by
**POSTGRADUATE DEPARTMENT OF PHYSICS
ST. STEPHEN'S COLLEGE, PATHANAPURAM**


Sponsored by
Mr. JACOB THOMAS (Former H.o.D, Dept. of Physics)

ABOUT THE PROGRAMME

This lecture is instituted by Mr. Jacob Thomas (Former H.o.D of Department of Physics) in fond memory of Very Rev. T. M. Samuel Ramban, his mentor and former member of Mount Tabor Daira. This seminar is scheduled to be conducted in every two years by the Department of Physics. The main objective of the lecture series is to sensitize students, researchers and teachers about the latest trends in Physics.

Programme

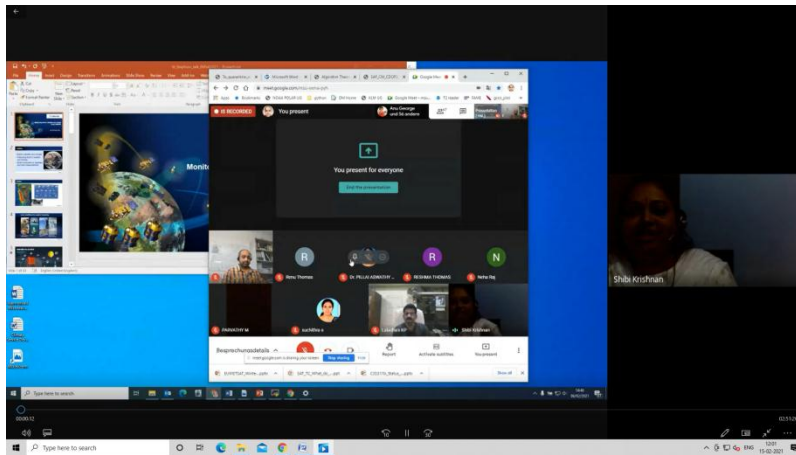
Prayer	: Neha Raj (Student)
Welcome Speech	: Ms. Shibi Krishnan (H.o.D , Dept. of Physics)
Presidential Address	: Dr. K. P. Laladhas (Principal)
Inaugural Address	: Dr. Achamma George (Former Principal)
Felicitation	: Rev. Fr. Dr. N. J. Koshy (Governing body member) Rev. Fr. Dr. Roy John (Governing body member)
Vote of thanks	: Dr. Pillai Aswathy Mohan (Co-ordinator)



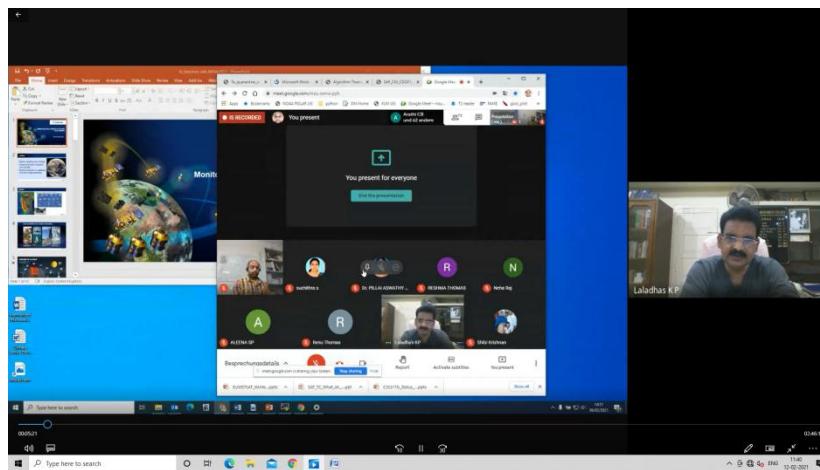
Resource Persons

Dr. Viju Oommen John, a proud alumnus of the Department of Physics, St. Stephen's College; is presently a **Climate Product Expert** at EUMETSAT, Germany. He has an **H index of 29** and around **3000 citations** for his research publications in international journals. He did his PhD in Natural Sciences at University of Bremen, Germany and Post doctoral research at RSMAS, Uni. of Miami, USA. He secured an M. Tech degree in Atmospheric Sciences and M. Sc. in Physics from Cochin University of Science and Technology. He has also worked as Senior Climate Scientist at UK and Germany.

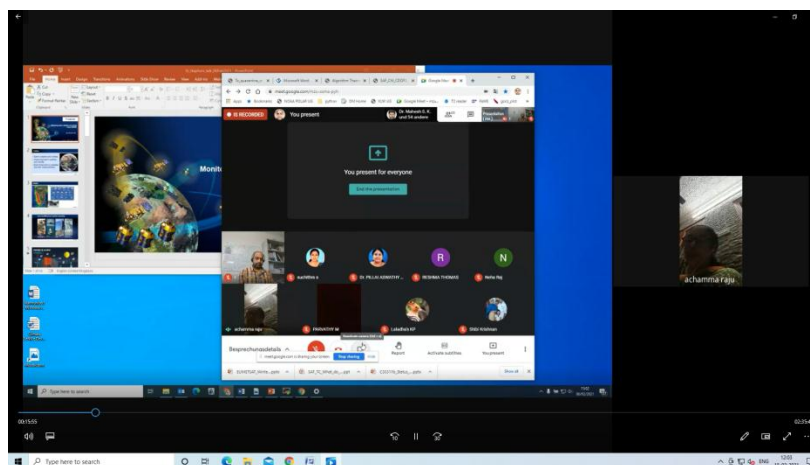
Dr. Vaisakhan Thampi, is currently an Assistant Professor (Physics) at M. G. College, Trivandrum. He did his PhD in Material Sciences from CSIR-NIIST, Trivandrum. He qualified UGC JRF NET in 2009. He has to his credit seven international research publications, four books on science and several hundreds of articles in newspapers and magazines. He has been awarded with ***Prof. P. T. Bhaskara Panicker Science Writing Fellowship*** from KSCSTE. He has been invited to Australia, England, UAE and Ireland for delivering popular science lectures.



Ms. Shibi Krishnan, H.o.D, delivering welcome speech for the lecture series



Dr. K.P. Laladhas (Principal), delivering presidential address during the opening session of the lecture series



Dr. Achamma George, Former Principal, delivering inaugural address for the lecture series

What do satellite instruments measure?

They **ONLY** MEASURE RADIATION FROM SURFACE and ATMOSPHERE

EUMETSAT

Dr. VijuOommen John, EUMETSAT, Germany, delivering his talk on weather forecasting using satellites

NATURE OF FRICTION

(a) Impending motion (b) Object moves (c)

Vaisakhan Thampi

Dr. VaisakhanThampi, Asst. Prof., M.G. College, explaining the “Physics of Road Safety”

Summary

- Forecasting weather and monitoring and understanding clima
- There are 3 satellite
- Satellite for 4
- It is

You present for everyone

Dr. Pillai Aswathy Mohan

Dr. Pillai Aswathy Mohan (Coordinator), delivering vote of thanks

REPORT OF ALUMNI ASSOCIATION 2021-ROYAL CLASSMATES OF PHYSICS

The main objective of the organization is to provide a platform to the Alumni to communicate with the institution. The Alumni Association of Post Graduate Department of Physics is named as "ROYAL CLASSMATES OF PHYSICS". The main aim of Alumni Day celebration is to unite maximum number of ex-students and register them in the Alumni family. The alumni association maintains a complete database, organizes events, and generates funding.

Highlights and Glimpses from ROYAL CLASSMATES OF PHYSICS Alumni meet

In this year, the Alumni meet was conducted on Saturday, 13th February 2020 at 7.00 pm on the Google platform due to Covid-19 pandemic. Around 95+ Alumni attended the meet and gave their valuable feedback and suggestions for the betterment of Institute and Alumni Association. All the faculties and staff members and the former faculties were also present in the meeting.

Ms. Suchithra S., President and Coordinator of the association made the opening welcome statement on behalf of the Organizing Committee. Dr.Achamma George, Former Principal and Vice-President of the Alumni Association presided the program. Mr. P K John, Secretary of the association presented last year report. Ms. Shibi Krishnan, HoD and the former faculties of the department delivered felicitation. The participants introduced themselves batchwise and made informal interaction. The entire event was adequately covered with the vote of thanks by Mr. V.M. Mohanan Pillai, executive member of the association.

PRIZE SPONSERSHIPS

As a token of appreciation, Alumni Association sponsored cash prize and memento to the successful graduate students of the college, who achieve first place in the academic year. The prizes are sponsored in order to appreciate the hard work done by students for the entire course and to give motivation to the upcoming graduate students. The prizes are as under:

1. Students securing first place in both UG and PG Programme
2. Deserving students (in financially backward category) from PG and UG


ST. STEPHEN'S COLLEGE
 Pathanapuram
 (Re-Accredited by NAAC at 'B' Grade with CGPA 2.80)
POST GRADUATE DEPARTMENT OF PHYSICS


*Royal Classmates
of Physics*

ANNUAL MEET - 2021

DATE : 13.02.2021
TIME : 07.00 PM
PLATFORM : Google Meet 
 Link: <https://meet.google.com/ywb-ggpt-ymv>

Sir/Madam,

We cordially invite your esteemed presence in the annual meeting of Royal Classmates of Physics on 13th February 2021 at 7.00 pm.

Ms. Suchithra S. **Ms. Shibi Krishnan** **Dr. K. P.Laladhas**
Co-ordinator *H.o.D* *Principal*

Programme

Prayer

Welcome Speech : **Ms. Suchithra S.**

Presidential Address : **Dr. K. P. Laladhas** (Principal)

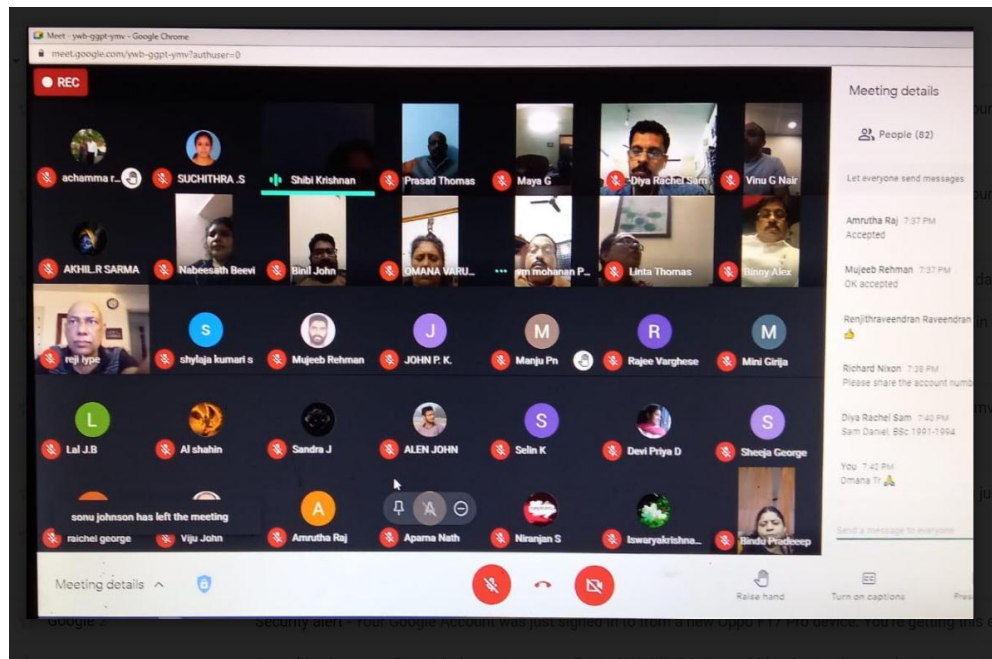
Report Presentation : **Mr. P. K. John** (Secretary)

Felicitations : **Dr. Achamma George**
(Former Principal)

Ms. Shibi Krishnan (H.o.D.)

Open Discussion and Interaction

Vote of Thanks : **Mr. V. M. Mohanan Pillai**
(Executive Member)



Participants of the programme

