

World Environment Day 2021- Webinar On Ecosystem Restoration

Speaker: Mr Benoy Thomas M P, Assistant Professor, Dept of Botany, Govt. Victoria College, Palakkad

Date : 8th June 2021

Platform: Google meet

Number of participants: 70

Organizer: Department of Physics

Convener- Ms. Jixy Joseph

Brief Report:

On June 5 every year the nature empaths around the globe celebrate World Environment Day to encourage awareness and observe its protection. This year the theme of World Environment Day was “Reimagine. Recreate. Restore”. To highlight the importance of ecosystem restoration the Department of Physics of St. Paul's college Kalamassery organized a webinar on the topic “Ecosystem Restoration” on 8th June 2021 at 10:00 am via Google platform as a part of World Environment Day. Mr Benoy Thomas M. P, Assistant Professor, Department of Botany of Govt. Victoria College Palakkad served as the resource person. The program was commenced by the welcome note from Dr. Rajeshmon V.G, Department of Physics, St Pauls College Kalamassery. Mr Benoy talked about how to repair our fractured relationship with nature and the importance of ecosystem restoration. The program received a huge positive response from the students and at the end of the webinar the students asked their doubts to which the speaker answered in detail. Dr. Poornima N delivered the vote of thanks.

Outcome Achieved:

The main aim of the webinar was to emphasize that our aim should be to heal nature and not exploit it. World Environment Day is a reminder for us to pause and reflect on our actions and their subsequent consequences on the planet.

DEPARTMENT OF PHYSICS ORGANIZES
WORLD ENVIRONMENT DAY 2021

Webinar On

Ecosystem Restoration

Speaker **Benoy Thomas M P**

- Assistant Professor -

Department Of Botany Govt. Victoria College, Palakkad



Platform



JUNE 8TH
10 AM
TUESDAY



ST PAUL'S COLLEGE, KALAMASSERY

Teacher Coordinator : Asst. Prof. Jixy Joseph
(8891342331 Or jixyjoseph@stpauls.ac.in)

STUDENT COORDINATOR : Devika Nair
(/// BSc Physics)

(NAAC accredited with A grade)
(Affiliated to Mahatma Gandhi University)
HMT Colony P.O, Kalamassery, Ernakulam, 683503



St.Paul's College,Kalamassery

Re-accredited with NAAC A Grade(Affiliated to Mahatma Gandhi University)
HMT Colony P. O, Kalamassery,Ernakulam 683503,Kerala, India

Certificate of Honour

This is to certify that **Mr. Binoy Thomas M P**, Assistant Professor,Dept of Botany, Govt.Victoria College, Palakkad participated as a 'Resource Person' in the webinar on '**Ecosystem Restoration**' organized by the Department of Physics, St. Paul's College, Kalamassery on 8th June 2021.

JIXY JOSEPH
Convener

DR. RAJESHMON V. G.
HoD, Dept. of Physics

DR. SAVITHA K. S.
Principal

Reminders: We're Going to Ven... | Inbox (78) - physics@stpauls... | St. Paul's College, Kalamassery... | Meet - World Environment x | Form Entries | E-learning - Wo... |

https://meet.google.com/pjw-ohk-nug?authuser=2

REC Benoy Thomas is presenting



10:14 AM | World Environment Day-2021

Benoy Thomas RAJESHMON V G PHA 190316 PHA 200303 PHA 19202 PHA 200302 PHA 205214 60 others You

Type here to search

Reminders: We're Going to Ven... | Inbox (79) - physics@stpauls... | St. Paul's College, Kalamassery... | Meet - World Environment x | Form Entries | E-learning - Wo... |

https://meet.google.com/pjw-ohk-nug?authuser=2

REC Benoy Thomas is presenting

National Biodiversity focus on strategies for the reduction in rates of degradation, fragmentation and loss of natural habitats



- Natural resources are intrinsically linked to rural livelihoods is also reflected in flagship schemes like the Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS) and
- The National Rural Livelihood Mission (NRLM).

10:46 AM | World Environment Day-2021

Benoy Thomas PHA 200303 PHA 190316 PHA 190308 PHA 19202 PHA 200302 PHA 190328 51 others You

Type here to search

Reminder: We're Going to Venus... x | Inbox (79) - physics@stpauls.ac... x | St. Paul's College, Kalamassery... x | Meet - World Environment x | Form Entries - E-learning - Wo... x | +

https://meet.google.com/pjw-ohsk-nug?authuser=2

REC Benoy Thomas is presenting

Meet - pjw-ohsk-nug x | +

meet.google.com/pjw-ohsk-nug?pli=1&authuser=0

REC You are presenting

Meeting details

(9)

system which does not affect the growth of our economy as well as the well being of the ecosystem?

PHA 190308 10:56

Sir Green Building system is considered as an effective way to protect environment and recycling ecosystem in developed areas. But this system is not widely used. What do you think is the main challenge for this?

Department of Physics St. Paul's College, Kalamassery 10:57

Feedback Form <https://forms.gle/as8AnwYr0C0u2M7>

PHA 190304 10:59

Send a message to everyone

Meeting details ^

Raise hand You are presenting

Type here to search

11:00 AM World Environment Day-2021

Type here to search

11:00 AM 08-05-2021

Benoy Thomas

PHA 190328

PHA 190316

PHA 190308

PHA 195202

PHA 200302

PHA 195212

42 others

You

Signature Talks Organized On 30-07-2021

Speaker: Mr. Nithin Thomas, Ph.D. student, University of Regensburg, Germany

Platform: Google Meet

Participants: 58

Organizer: Department of Physics

Convenor: Dr. Poornima N

Brief Report

Signature Talks are the confluence of the past, present and future of the Department of Physics, St. Paul's College, Kalamassery. This is a homecoming for our alumni and an opportunity for the present generation to listen to the success stories of those who have already traveled long distances. We are proud to have our alumni members as mentors to our students!

The speaker Mr. Nithin Thomas, an alumnus of 2012-15 batch spoke about his experiences at and also about his relation with various teachers in our college. There were around 58 participants where we had students, faculty members, alumni members of 2012-15 batch and former faculty members in the meeting.

Outcome achieved

The session was quite motivating for the students. Alumni students as well as all former and present faculty members spoke on the occasion and the experience on the whole was an enriching one.



ST. PAUL'S COLLEGE, KALAMASSERY

H.M.T., Kalamassery, Kochi-683503

Affiliated to Mahatma Gandhi University, Kottayam

Department of Physics

Organizes

SIGNATURE TALKS



Speaker: Mr. Nithin Thomas

(Alumnus of B.Sc. Physics 2012-15 batch)

Research Scholar, Institute of Theoretical Physics

University of Regensburg, Germany

Platform: Google Meet

Date: 30-07-2021

Time: 12.00 p.m.

About Signature Talks

Signature Talks are the confluence of the past, present and future of the Department of Physics, St. Paul's College, Kalamassery. This is homecoming for our alumni and an opportunity for the present generation to listen to the success stories of those who have already travelled long distances. We are proud to have our alumni member as mentors to our students! **WELCOME BACK... LET'S JOIN HANDS TO EDUCATE..**

Teacher Coordinators

Dr. Poornima N (Coordinator)

Dr. Rajeshmon V G (Head of the Department)

Student Coordinators

Ms. Devika R Nair

Mr. Dominic Savio

Browser tabs: Fadi Reminder | Innovation Am... | Inbox (88) - physics@stpauls... | St. Paul's College, Kalamassery | Meet - SIGNATURE TALKS

URL: <https://meet.google.com/cbe-cjao-qbd7/authuser=2>

REC

Participants: PHA 200317, POORNIMA N, Richu Rajan, PHA 205202, PHA 200302, mary.jalthruth, 44 others, You

12:11 PM | SIGNATURE TALKS 2021

System tray: 29°C AQI 78, 12:11 30-07-2021

Browser tabs: Fadi Reminder | Innovation Am... | Inbox (88) - physics@stpauls... | St. Paul's College, Kalamassery | Meet - SIGNATURE TALKS

URL: <https://meet.google.com/cbe-cjao-qbd7/authuser=2>

REC

Participants: PHA 200317, POORNIMA N, Richu Rajan, PHA 205202, PHA 200302, mary.jalthruth, 44 others, You

People sidebar:

- Mute all
- Add people
- Host controls
- PHA 190309
- PHA 190311
- PHA 190314
- PHA 190316
- PHA 190319
- PHA 190325
- PHA 190330
- PHA 200301
- PHA 200302
- PHA 200304
- PHA 200306
- PHA 200307
- PHA 200308

12:12 PM | SIGNATURE TALKS 2021

System tray: 29°C AQI 78, 12:12 30-07-2021

Report of Onam celebrations held on August 18, 2021

Date :18th August 2021

Platform: Google meet

Number of participants: 100

Organizer: Department of Physics

Convener- Mary Vijila C V

Brief Report:

Department of Physics conducted Onam Celebrations on August 18 via google meet. The program was named as Coronam as it was an online celebration due to covid pandemic situation. Teachers and students of the department participated in the program. The program started with a college prayer song. Welcome speech was delivered by Adith from B.Sc. Physics. M.Sc. Physics student Parvathy sang an Onam song. Then a recorded act by B.Sc. second year students was played in the google meet. Many Onam games were organized by B.Sc. and M.Sc. students. Onam message was delivered by Dr. Rajeshmon V G. Vote of thanks was delivered by Dr. Poornima N.

Outcome achieved:

Students and teachers of the departments were able to celebrate Onam through a google meet even in covid situations.



St. Paul's College, Kalamassery
Department of Physics

presents



Coronam

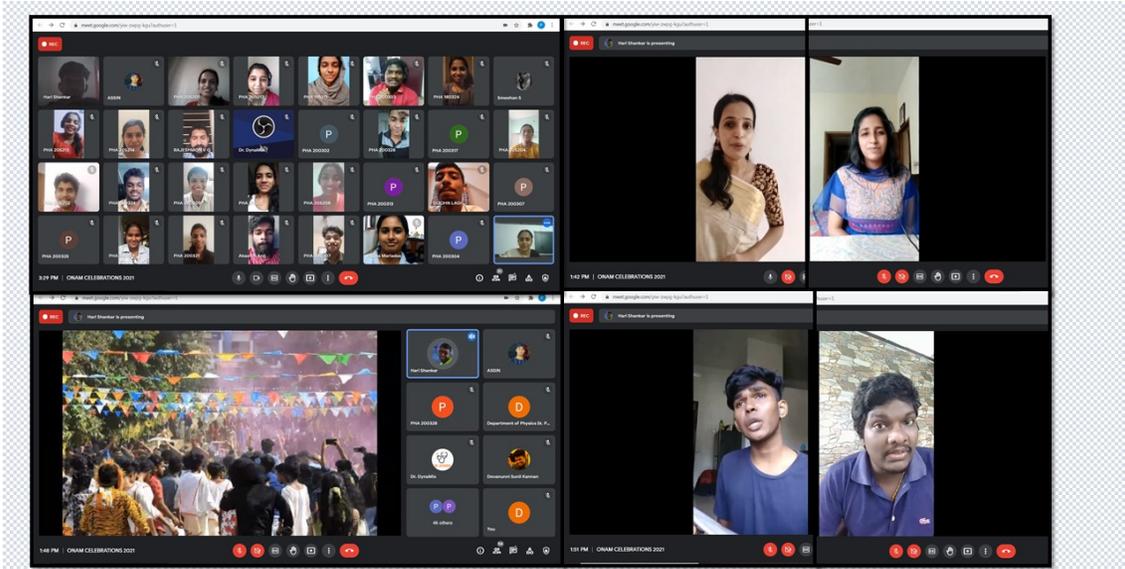
On 18-08-2021

Head Of Department
Dr. Rajeshmon V G

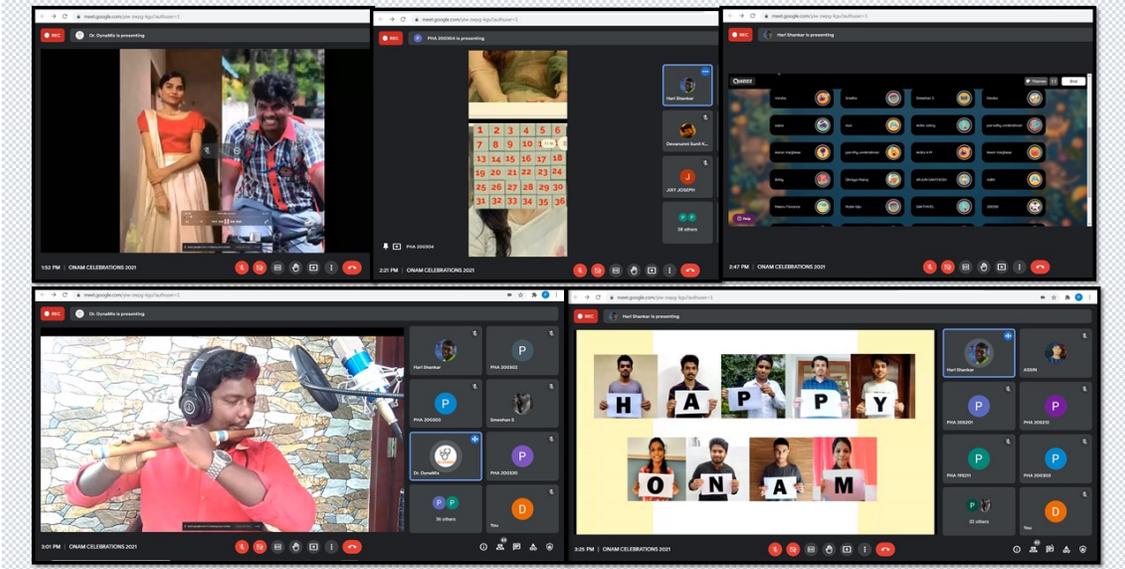
Teacher coordinators:
Dr. Rajeshmon V G
Ms. Mary Vijila C V

Student coordinators:
Harishankar K A
Sneehan S Shameem
Stephy Alex
Parvathy Unnikrishnan





ONAM CELEBRATIONS 2021-22, DEPARTMENT OF PHYSICS



ONAM CELEBRATIONS 2021-22, DEPARTMENT OF PHYSICS

Women in Science Lecture Series, Talk 1, held on August 30, 2022

Speaker: Dr. Jayeeta Bhattacharya, Associate Professor, Department of Physics, IIT Madras

Platform: Google Meet

Participants: 100

Organizer: Department of Physics

Convenor: Dr. Poornima N

Brief Report:

A session by Dr. Jayeeta Bhattacharya, Associate Professor, Department of Physics, Indian Institute of Technology, Madras as part of Women in Science (WoS):Lecture Series organized by the Department of Physics, St. Paul's College, Kalamassery. The session was attended by around 100 participants from all over the country. The speaker started from the basics of quantum confinement in semiconductors and about how optical properties can be tailored.

Outcome achieved:

The session was received quite well by the audience who interacted with the speaker on various aspects related to the topic.



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WOMEN in SCIENCE (WoS): Lecture Series

Organized By

THE DEPARTMENT OF PHYSICS

In association with

THE OFFICE OF DEAN, RESEARCH



WoS Lecture I, Speaker:

Dr. Jayeeta Bhattacharyya

Associate Professor, Department of Physics
IIT Madras



*Topic- Optical Materials and
Devices: in the light of
semiconductors*

DATE :30-08-2021

TIME: 10 a.m.

PLATFORM: GOOGLE MEET

Coordinators

- Dr. Poomima N, Dean Research
- Dr. Rajeshmon V G, Head of the Department
- Ms. Haripriya H
- Mr. Lijohn Lagi



[physics@stpauls.ac.in]



[9447719801, 9946351443]

Deeksharambh 2021

Speaker: Dr. Devadhasan K. V. Associate Professor (Retd.)

Mahatma Gandhi College, Iritty, Kannur.

Title of the lecture: **Strategies to Learn Physics**

Date : 4th Oct 2022, 10 am.

Platform: Google meet

Number of participants: 70

Organizer: Department of Physics in Association with Dean Academics

Coordinators - Dr. Rajeshmon V. G.(HoD), Dr. Priyesh K. V.(Dean, Academics)

Brief Report:

Department of physics organized an invited lecture as part of Deeksharambh 2021. This session is particularly for newly joined first year students. Deeksharambh 2021 is an initiative in line with the UGC recommendation.

The speaker, Dr. Devadhasan K. V. motivated the students by explaining the physics behind many of the fascinating phenomena in this universe. He also speaks about the latest scientific discoveries which changed the life of humanity. Various opportunities both in the research field and industries are discussed during this session. The importance of teaching methodologies for generating interests in students are pointed out during the session. Students interacted with the speaker asking their queries.

Dr. Rajeshmon delivered the welcome speech and Dr. Poornima N. delivered the vote of thanks.

Outcome achieved:

Students are motivated to learn physics. They understand the importance of planning their career in the beginning of their programme itself. They are all aware of the different opportunities after the completion of the programme.



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Affiliated to Mahatma Gandhi University, Kottayam

Department of Physics organizes

DEEKSHARAMBH 2021

Strategies to learn Physics

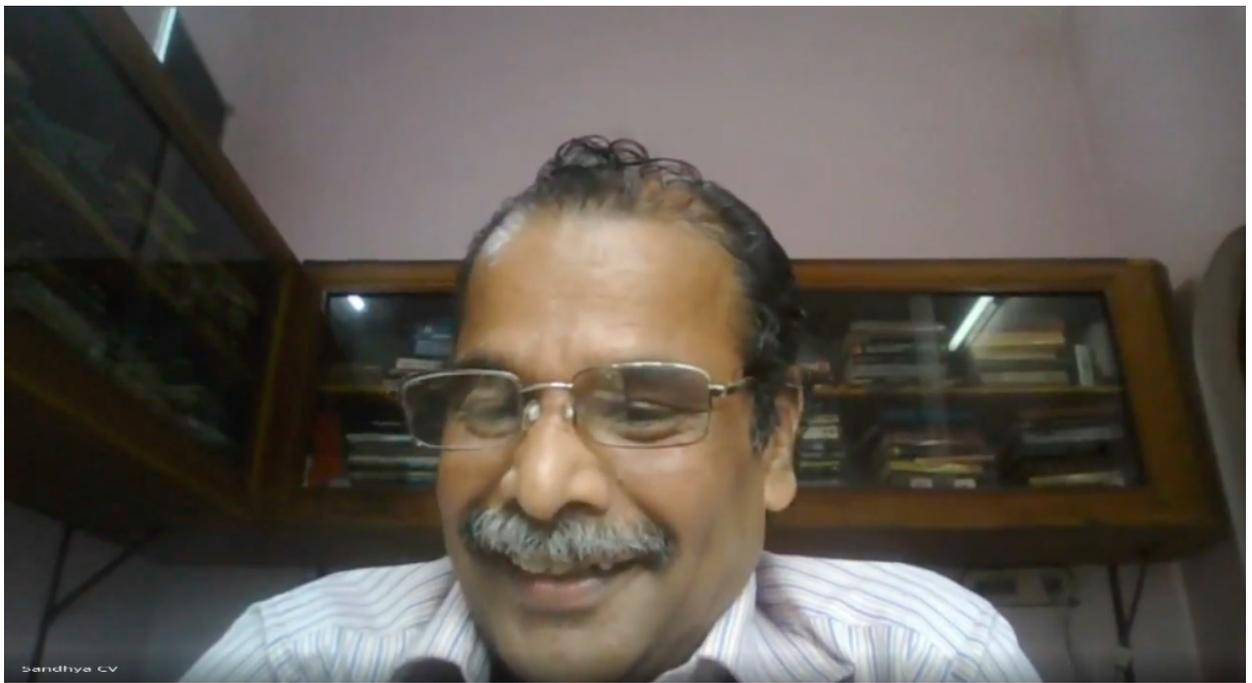


**Dr. Devadhasan K V, Associate Professor (Retd.)
Mahatma Gandhi College, Iritty, Kannur**

**Date: 04-10-2021
Time: 09.00 a.m.-10.00 a.m.
Platform: Google Meet**

Coordinators:

**Dr. Priyesh K V, Dean Academics
Dr. Rajeshmon V G, Head of the Department, Physics**



Meet The Scientist Programme Organized On 25-10-2021

Speaker: Mr. N Saneesh, Scientist D, Nuclear Physics Group, Inter University Accelerator Center, New Delhi

Platform: Google Meet

Participants: 54

Organizer: Department of Physics

Convenor: Dr. Rajeshmon V G

Brief Report:

As a continuation to the “Meet the Scientist” Programme which is being organized every year, the Department of Physics organized a talk titled ‘Inter University Accelerator Center: A National Heavy Ion Beam Facility’ on 25th October 2021 via Google meet platform from 9.15 am - 10.30 pm. Mr. N Saneesh, Scientist D, Nuclear Physics Group, Inter University Accelerator Center, New Delhi, served as resource person. In the session he explained about accelerators, the need and use of accelerators in detail. He explained about the major programmes in IUAC, New Delhi. Explained about the various particle accelerators available at IUAC, Research works happening in the field of material science at IUAC etc. Students asked their doubts at the end of the session to which the speaker answered in detail.

Outcome achieved:

The session was very informative and useful to all the students. Students got an insight of research works going over at IUAC and the opportunities they have in the field of accelerators and material science

Inter University Accelerator Centre

A National Heavy Ion Beam Facility

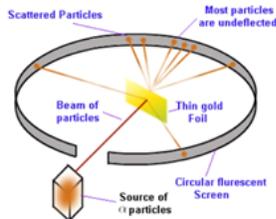


N. Saneesh
Nuclear Physics Group
Inter University Accelerator Center,
New Delhi.



Important Landmarks in the History of Accelerators

Rutherford Gold Scattering Experiment (1909)



M MARY VJILA C V	P PHA 190329
G Gokul KA	P PHA 205206
P PHA 190309	S Saneesh Nedumbally
44 others	D You



ST. PAUL'S COLLEGE, KALAMASSERY

(AFFILIATED TO MAHATMA GANDHI UNIVERSITY)

HMT COLONY P.O, KALAMASSERY, ERNAKULAM 683 503, KERALA, INDIA

MEET THE SCIENTIST

Speaker :



N. SANEESH
SCIENTIST - D
NUCLEAR PHYSICS GROUP
Inter University Accelerator Center,
New Delhi

TOPIC :

INTER UNIVERSITY ACCELERATOR CENTER : A NATIONAL HEAVY ION BEAM FACILITY

DATE : 25/10/2021

TIME : 09:15 AM

PLATFORM : GOOGLE MEET

Organized by:

Department of Physics, St. Paul's College, Kalamassery

Pathfinder Programme

Venue: S16, Department of Physics

Resource Persons: Dr. Rajeshmon V G & Dr. Priyesh K V, Ms. Mary Vijila C V and Ms. Jaya M Sony, Assistant Professors, Department of Physics, St. Paul's College, Kalamassery.

Brief Report:

'**Pathfinder Programme**' programme was launched by the Department of Physics on 31st January 2017. The programme was inaugurated by Rev. Fr. Felix Chakkalakkal. The programme has a vision of helping the students to clear competitive exams at national level and to help them secure admission for P.G. courses at premier institutes across India.

This year we started our classes on 29th November 2021. We intend to equip our UG students and give them proper guidance and make them competitive enough to crack exams like Joint Admission Test (JAM) conducted by IITs, exams conducted by IISERs, Central as well as State Universities.

Outcome Achieved:

Dominic Savio cleared the JAM entrance exam with an all india rank 1038 and the CUSAT CAT entrance with a rank of 70. Devika Nair and Haripriya H Cleared JAM Exam with all India ranks 4926 and 7123 respectively.

Christmas Celebration 2021- Feliz Navidad

This year's christmas day celebration 'Feliz Navidad' was held on 23rd December 2021. As part of the christmas day celebrations various departments hosted a variety of events during the whole week and the students of physics department got the opportunity to actively participate in each of the events. Students participated in the card making competitions and also in the carol competition. There was also a Christmas parade competition for which students of physics appeared in different attires related to Christmas and did a procession from the college gate to the portico. There was also a department wise Christmas celebration. Students celebrated it by cutting cakes and giving wishes with their dear friends.





Nobel Lecture 2021-22

Speaker: Dr. Sasidevan V, Assistant Professor, Department of Physics,
Cochin University of Science & Technology

Title of the lecture: Topic- Two Complex Systems: The Story of Nobel Prize in Physics 2021

Date : 19-01-2022, 11.00 am

Platform: Google meet

Number of participants: 70

Organizer: Department of Physics

Coordinators - Dr. Poornima N., Dr. Rajeshmon V. G. (HoD), Haripriya H, Mr. Lijohn
Lagi(Student coordinators)

Brief Report:

Nobel prize in Physics is for 2021 is awarded to Syukuro Manabe, Klaus Hasselmann, Giorgio Parisi for groundbreaking contributions to our understanding of complex physical systems" with one half jointly to Syukuro Manabe and Klaus Hasselmann "for the physical modeling of Earth's climate, quantifying variability and reliably predicting global warming" and the other half to Giorgio Parisi "for the discovery of the interplay of disorder and fluctuations in physical systems from atomic to planetary scales." The speaker, Dr. Sasidevan has delivered a lecture on this topic explaining the theories of complex systems.

Outcome achieved:

Students are able to understand the basic concepts of two complex systems and also the areas for which the Nobel Prize was awarded.



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NOBEL LECTURE 2021-22

Organized By

THE DEPARTMENT OF PHYSICS



Speaker:

Dr. Sasidevan V

Assistant Professor, Department of Physics

Cochin University of Science & Technology



*Topic- Two Complex Systems:
The Story of Nobel Prize in
Physics 2021*

DATE : 19-01-2022

TIME: 11 a.m.

PLATFORM: GOOGLE MEET

Coordinators

- Dr. Poornima N
- Dr. Rajeshmon V G, Head of the Department
- Ms. Haripriya H
- Mr. Lijohn Lagi



[physics@stpauls.ac.in]



[9447719801, 9946351443]

National Science Day Celebrations (NSD 2022) held on 26th and 27th February 2022

Platform: Google Meet

Number of Participants: 70

Organizer: Department of Physics

Convenor: Dr. Poornima N, Dr. Rajeshmon V G, Dr. Priyesh K V, Ms. Mary Vijila C V, Ms. Jixy Joseph, Dr. Aijo John K, Ms. Jaya M Soney

About the programme:

The Department of Physics organized a national webinar as part of this year's National Science Day celebrations on 26th and 27th February 2022. The speakers for the webinar were Prof. Sushil Mujumdar from Tata Institute of Fundamental Research, Mumbai, Prof. Shanthi Bhattacharya, and Prof. C. Vijayan from Indian Institute of Technology, Madras. The programme was attended by nearly 70 participants. The first talk was by Prof. Sushil Mujumdar on Light Transport through Random media.

The talk covered topics right from the basics of various optical phenomena like refraction, diffraction and scattering to new developments in the field of random lasing. The second talk was by Prof. Shanthi Bhattacharya on Light Manipulation-the nano-optic way. The talk was an enriching experience for the audience as it gave a flavor of how light beams can be tailored to suit various applications. The third talk was by Prof. C. Vijayan on The Spirit of the Science Day. The session was received with much appreciation and was really an inspiring one.

Outcome Achieved

The two-day programme was quite successful in creating an awareness about recent research going on in the field of optics and in motivating students to pursue basic science.



ST. PAUL'S COLLEGE, KALAMASSERY

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NATIONAL SCIENCE DAY CELEBRATIONS

(NSD 2022)

Organized By

THE DEPARTMENT OF PHYSICS

DATE :26 & 27, FEBRUARY 2022

PLATFORM: GOOGLE MEET

Organizing Committee

- Dr. Rajeshmon V G, Head of the Department
- Dr. Poornima N, Coordinator
- Dr. Priyesh K V
- Ms. Mary Vijila C V
- Ms. Jixy Joseph
- Dr. Aijo John
- Ms. Jaya M Soney

**CLICK HERE TO
REGISTER**



[physics@stpauls.ac.in]



[9447719801, 9946351443]

Awareness on Intellectual Property Rights, held on March 22, 2022

Venue: Seminar Hall

Number of Participants: 139

Brief Report:

The Department of Physics organized a talk on Intellectual property rights on 22nd March 2022. The program started at 10.00 am. Welcome speech was delivered by Dr. Rajeshmon V G. The speaker for the program was Mr. Anoop K Joy, Deputy controller of Patents and designs, Patent office Chennai. The programme was attended by nearly 139 participants. The talk covered topics related to patents, intellectual property, patents required for business and designs. The program was sponsored by KSCSTE. Vote of Thanks was delivered by Mrs. Jixy Joseph, the program coordinator.. Program ended by 11.00 am

Outcome Achieved:

The programme was quite successful in creating an awareness on Intellectual Property Rights in students and teachers.



ST. PAUL'S COLLEGE KALAMASSERY

(NAAC Re-accredited with A grade)

(Affiliated to Mahatma Gandhi University)

HMT Colony P.O., Kalamassery, Ernakulam, 683503

DEPARTMENT OF PHYSICS

in association with



organizes seminar on

"Awareness on Intellectual Property Rights"

Sponsored by KSCSTE

Speaker :



ANOOP K JOY

(DEPUTY CONTROLLER OF PATENTS AND
DESIGNS, PATENT OFFICE, CHENNAI)

Date : 22 March 2022
Time : 10:00am - 11:00AM
Venue : Baccinelli Hall



सत्यमेव जयते



CONTACT :

Dr. Rajeshmon V G, HoD
physics@stpauls.ac.in
PH: 9447719801

Ms. Jixy Joseph
Coordinator
PH: 8891342331

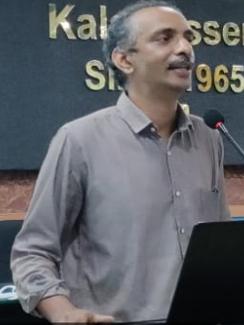


NIPAM

National Intellectual Property Awareness Mission

Presented by:
Anoop K Joy, DC
Intellectual Property Office, Chennai

St. Paul's College
Kalamassery
St. 1965



GPS Map Camera



Ernakulam, Kerala, India
382H+XF5, HMT Colony, P.O, Kalamassery, Ernakulam, Kerala
683503, India
Lat 10.0524°
Long 76.328525°
22/03/22 10:21 AM



Ernakulam, Kerala, India

382H+XF5, HMT Colony, P.O, Kalamassery, Ernakulam, Kerala

683503, India

Lat 10.052407°

Long 76.328539°

22/03/22 10:12 AM