

Baselius College KOTTAYAM

2021-22

PHYSICS ASSOCIATION REPORT 2021-22



Physics Association 2021-22

Annual Report

Physics Association (Beats)

Year : 2021-22



A Quality Assurance Venture of IQAC

Baselius College, Kottayam

Physics Association 2021-22

Certificate Page

This is to certify that the following is a bonafide record of activities and achievements of **Physics Association** for the academic year 2021-22. Necessary supporting documents have been attached wherever possible.



Dr. Ambika D

Teacher-in-charge



Verified

IQAC Co-ordinator.

Counter-Signed by



PRINCIPAL

Physics Association 2021-22

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Physics Association 2021-22

Part – A

1.1 Name of the Association : **Physics Association (Beats)**

e-mail address : beats.physics@gmail.com

Social media details :

Youtube link : <https://youtube.com/channel/UCT63quakQj6lQRBGIm4hpg>

Physics Baselius College

Instagram : :

https://instagram.com/physics_baselius?igshid=YmMyMTA2M2Y=

BEATS 2021

Whatsapp group : Physics Association 2021

Name of the teacher in charge : Dr Ambika D.

Name of the Club Secretary : Rohit Pratap Nair

Contact Nos.

Teacher-in-charge : 9495105224

Secretary : 7012708052

1.2 Executive Committee Details

Sl No	Name of the member	Designation/ Class/ Position
1	Adarsh T Saji	M2 physics
2	Atheena	M2 Physics
3	Sumina M S	D3 Physics

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4	Lakshmi P Ramesh	D3 Physics
5	Abhijith P J	D2 Physics
6	Aarshadhara	D2 Physics

No. of committee meetings held :

All the decisions were taken and communicated through whatsapp messages. Therefore no official online or offline meeting were carried out.

Sl No	Date of the Meeting	No of participants

(Soft copy of minutes signed by Secretary, Teacher in charge to be submitted)

1.3 Plan of Action

Plan of Action	Proposed Date/ Month	Status of attainment at the year end
Environmental day	5th June	Conducted on 5th and 8th June 2021
Asteroid day	30th August	Conducted on 30th August
A class on Carrier Guidance	3rd July	Conducted on 3rd July
National Moon day	19th July	Conducted on 20th July

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A tribute to APJ Abdul Kalam	27th July	Not conducted
Prof. Susan John K Memorial 14th intercollegiate Physics Quiz Competition	10th August	Conducted on 6th September
Onam Celebration	18th August	Conducted on 21st Aug
Teacher's day	3rd September	Conducted on
Association Inauguration + Invited talk	20th September	Conducted on 17th Dec
Space week	4th – 10th October	4th -10th October

Part – B

Part B – 2.1 Talks/Lectures/ Workshops Conducted : 3
2.2a Competitions Organised within the College: 0
2.2b- Inter-Collegiate Competitions Organised : 1
2.3- Cultural Programmes Organised : 0
2.4 – Extension and Outreach Programme Organised : 1
2.5- Skill Development Courses OrganisedL: Nil
2.6- Certificate Programme/ Diploma Organised : Nil
2.7 Student Participation and Achievements outside
2.8- Any Other activity/point worth mentioning: please refer page ---to page ---

2.1 Talks/Lectures/ Workshops Organised/ Conducted

Summary :

Sl No	Title of the Programme	Name of the Resource Person	No. of participants	Links available if any
1.	Down to Earth – An Interactive session	Dr. Nibu A George	48	
2.	Career Opportunities in Physics and its Derivatives	Dr. Nibu A George	44	
3.	Inauguration of Physics association Beats-2021 & invited talk (Topic : Inspiring Stories in Physics)	Prof. S. Sivadas (Recipient of Booker Prize 2022)	71	

Summary of Reports of each Activity

1. Environmental day celebration – Down to Earth - An interactive session



Beats 2020-21, The physics Association of the Postgraduate Department of Physics and Centre for Research of Baselius College, Kottayam in Association with IQAC has conducted a webinar on **8 June 2021** in connection with **World Environment Day**. The programme started at 3.30 pm via Google meet. Association in charge Dr.Ambika D welcomed everyone to the programme. Dr.**Sindu Jones**, Head of the department, gave the presidential address. She spoke on the importance of Environment day and the brief history of why such a day was chosen to celebrate. She even welcomed and also congratulated the teacher in charge and also the Association secretary Rohith Pratap Nair and joint secretary Sumina M S for taking the efforts for coordinating the programme. The resource person of the webinar was **Dr. Nibu A George**, Assistant Professor of Department of Physics, Baselius College,Kottayam.It was an interactive session in which he explained the importance of protecting the environment and the benefits of maintaining a balance ecosystem. He also gave tips for organic farming and how it is more advantageous than the chemical fertilizers in the long run. Students as well as the faculty members cleared their doubts in the session.

The session was really interesting and useful. Around 40 people including faculties and students were benefited through the session. It was really surprising at the same time happy to note that our former student who is now pursuing his studies in integrated PhD at TIFR, Mumbai also joined the meeting. He also spoke to the students about his experience at TIFR and also gave tips of how to prepare for JAM examination. The session finally concluded with Rohit Pratap Nair, Association Secretary proposing the vote of thanks. The session concluded around 4:45 PM.

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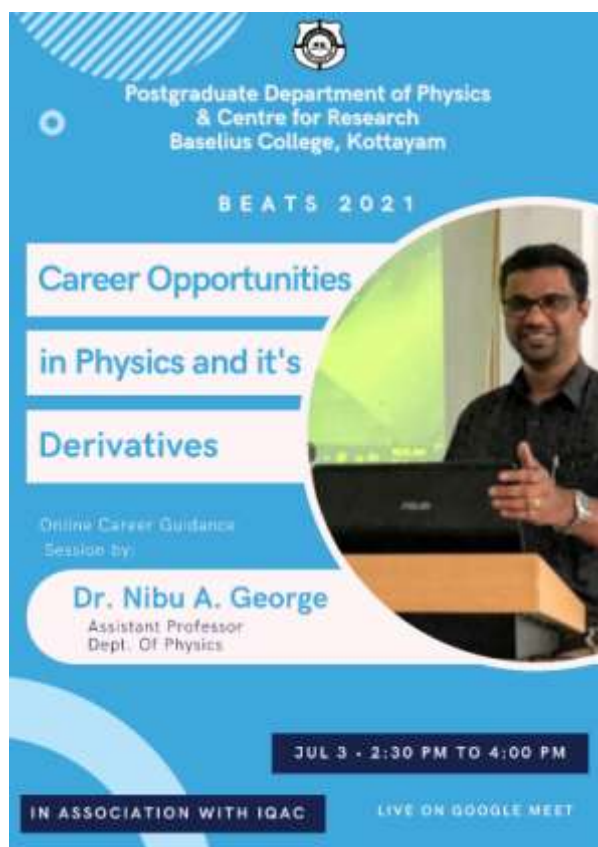
List of Participants

- | | | | |
|----|---------------------|----|---------------------|
| 1 | SUMINA M.S | 25 | Karthika B Nair |
| 2 | Akhila Grace | 26 | Krishnendu |
| 3 | Alex Paul | 27 | Lakshmi P Ramesh |
| 4 | Ambika D | 28 | Megha Moni |
| 5 | Amrutha R Nair | 29 | Muhammed Ajmal |
| 6 | Anakha Ajkumar | 30 | Nandagopal G |
| 7 | Anandu Vijayan | 31 | Neeha Anna Thomas |
| 8 | Anisha Mathew | 32 | Nibu A George |
| 9 | Aparna Thankappan | 33 | Nibu Thomas |
| 10 | Arshadhara MU | 34 | Nikhil Sam |
| 11 | Asnamol Shine | 35 | Nithin KS |
| 12 | Binll K Korah | 36 | Niya K. Nelson |
| 13 | Bitty Paul | 37 | Princy Mariam Jacob |
| 14 | Chinnumol Sebastian | 38 | Rakhi Raj K |
| 15 | Emi Susan Thomas | 39 | Revathy S |
| 16 | Feby Sam Baby | 40 | Rohit Pratap Nair |
| 17 | Haripriya P Nalr | 41 | Sherin Shaji |
| 18 | Heera H | 42 | Silpa Babu |
| 19 | Hilda Suzanne | 43 | Vaisakh R |
| 20 | Irene Anna Verghis | 44 | Zephin Mariam |
| 21 | Irene Elsa Cherian | 45 | Sindu Jones |
| 22 | Jaison Kottampally | 46 | Linju Ann Jacob |
| 23 | Joel B George | 47 | Neha P R |
| 24 | Jyothisree VP | 48 | Misha Hari |

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2. Career guidance – 3rd July

Beats 2021-22, the association of Postgraduate Department of Physics and Center for Research, Baselius College Kottayam had organised an online Career Guidance Programme on 3rd July 2021. The session had started at 2.30 pm on Google meet with the prayer song by Amrutha R Nair. The Association in charge Dr. Ambika D, welcomed everyone to the programme. Dr. Sindu Jones, Head of Department presided over the session. The resource person of the session was Dr. Nibu A George, assistant professor of Department of Physics. In the session, he introduced various carrier and higher educational opportunities in Physics and its derivatives. He also highlighted the importance of choosing the best carrier according to our aptitude and interest. The session was very informative and inspiring. About 45 participants including students and faculties had attended the session. The feedback of the session had been obtained through Google form. Most of the students found the session very useful and effective. Rohit Pratap Nair, the association secretary made the vote of thanks. The programme had ended by 4.30 pm.



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List of participants

- | | |
|------------------------|------------------------|
| 1 Sumina M.S | 23 Joel B George |
| 2 Akhila Grace | 24 JyothisreeVP |
| 3 Alex Paul | 25 Karthika B Nair |
| 4 Ambika D | 26 Krishnendu |
| 5 Amrutha R Nair | 27 Lakshmi P Ramesh |
| 6 Anakha Ajkumar | 28 Megha Moni |
| 7 Anandu vijayan | 29 Muhammed Ajmal |
| 8 Anisha Mathew | 30 Nandagopal G |
| 9 Aparna N | 31 Neeha Anna Thomas |
| 10 Arshadhara MU | 32 Nibu A George |
| 11 Asnamol Shine | 33 Nibu Thomas |
| 12 Binll K Korah | 34 Nikhil Sam |
| 13 Bitty Paul | 35 Nithin KS |
| 14 Chinnumol Sebastian | 36 Niya K. Nelson |
| 15 Emi Susan Thomas | 37 Princy Mariam Jacob |
| 16 Feby Sam Baby | 38 Rakhi Raj K |
| 17 Haripriya P Nair | 39 Revathy S |
| 18 Heera H | 40 Rohit Pratap Nair |
| 19 Hilda Suzanne | 41 Sherin Shaji |
| 20 Irene Anna Verghis | 42 Silpa Babu |
| 21 Irene Elsa Cherian | 43 Vaisakh R |
| 22 Jaison Kottampally | 44 Zephin Mariam |

a. Inauguration of Physics association Beats-2021 & an Invited talk (Topic: *Inspiring Stories in Physics*)

Beats 2021-22, association of Postgraduate Department of Physics and center for Research, Baselius College Kottayam has organised Association Inauguration Ceremony on 17 December 2021. The programme started at 1.30 pm with prayer by Haripriya P Nair. The association in-charge Dr. Ambika D welcomed everyone to the occasion. Dr

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Sindu Jones, The Head of Department presided over the function. The guest of honour for the function Prof. S Sivadas lighted the traditional lamp. Dr Sindu Jones, Dr Ambika D and association secretary Rohit Pratap Nair also lighted the lamp. Prof S Sivadas inspired each and every one through his experiences and excellence in various fields. Dr Ambika D mentioned about various upcoming programmes in the academic year. As a token of heartfelt gratitude from the Physics family, a memento was given to Sivadas sir for his outstanding achievements. The programme concluded by 3.30 pm with the vote of thanks by Rohit Pratap Nair.

Postgraduate Department of Physics
& Centre for Research

In collaboration with BCM college, Kottayam
Under the aegis of IOAC, Baselius College, Kottayam

Beats
Association Inauguration

Regional Seminar On:
"Inspiring stories in Physics"

By

Prof. S. Sivadas
Writer, Educator, Editor,
Environmentalist, Trainer

DEC
17

Mrs. Mammen
Mappila Hall

1:30
PM



List of Participants

- | | |
|------------------|---------------------|
| 1 Sumina M.S | 8 Anisha Mathew |
| 2 Akhila Grace | 9 Aparna Thankappan |
| 3 Alex Paul | 10 Arshadhara MU |
| 4 Ambika D | 11 Asnamol Shine |
| 5 Amrutha R Nair | 12 Binil K Korah |
| 6 Anakha Ajkumar | 13 Bitty Paul |
| 7 Anandu Vijayan | |

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14	Chinnumol Sebastian	43	Vaisakh R
15	Emi Susan Thomas	44	Zephin Mariam
16	Feby Sam Baby	46	Gowri Nandana
17	Haripriya P Nair	47	Gowri G Mohan
18	Heera H	48	Anakha
19	Hilda Suzanne	49	Sanjay
20	Irene Anna Verghis	50	Sreelakshmi
21	Irene Elsa Cherian	51	Devaja
22	Jaison Kottampally	52	Anna Binoy
23	Joel B George	53	Hilda Suzanne Punnen
24	Jyothisree vp	54	Elias Abraham
25	Karthika B Nair	55	Heaven C Jacob
26	Krishnendu	56	Graceson p Rajan
27	Lakshmi P Ramesh	57	Ahbhijith P
28	Megha Moni	58	Abhijith V J
29	Muhammed Ajmal	59	Serin T Thomas
30	Nandagopal G	60	Athul Kumar
31	Neeha Anna Thomas	61	Karthika B Nair
32	Nibu A George	62	Akhil K M
33	Nibu Thomas	63	Sindu Jones
34	Nikhil Sam	64	Uttara J
35	Nithin ks	65	Dasy Kuttappan
36	Niya K. Nelson	66	Vinaya
37	Princy Mariam Jacob	67	Rashid Muhammed
38	Rakhi Raj K	68	Kiran Raj
39	Revathy S	69	Linji Ann Jacob
40	Rohit Pratap Nair	70	Neeha P R
41	Sherin Shaji	71	Misha Hari
42	Silpa Babu		

2.2a Competition Organised within the college : Nil

2.2b Inter-Collegiate Competition Organised

Summary :

Sl No	Title of the Programme	Nature of the programme	No. of participants
1	Prof. Susan John K. Memorial 14 th Intercollegiate	Inter-collegiate competition	31

Physics Association 2021-22

Physics Quiz
Competition

Summary of Reports of each Activity

 **BASELIUS COLLEGE**
K O T T A Y A M

**POSTGRADUATE
DEPARTMENT OF
PHYSICS
& CENTRE FOR
RESEARCH**

IN ASSOCIATION WITH IQAC

**14th PROF. SUSAN JOHN K.
MEMORIAL ALL KERALA
INTERCOLLEGIATE ONLINE**

**PHYSICS QUIZ
COMPETITION**

September 6 | 3:00 p.m.

FIRST PRIZE - 1000/-

For More Information :
☎ 9747620918 , 7012708052
✉ physicsassociation2021@gmail.com
📷 @physics_baselius

Warm greetings from
Department of Physics, Baselius College,
Kottayam.

The Department has geared up to launch
an Online Physics Quiz Competition in
memory of Prof. Susan John K who left for
heavenly abode on 15th August 2008. The
14th Prof. Susan John K. Memorial All
Kerala Intercollegiate Online Physics Quiz
Competition is to be conducted at 3:00 p.m.
on 6th September 2021.

The Students can take the Physics quiz
and have fun finding out how much they
know and at the same time they can learn
something new! We invite participations
from Colleges/ Universities where Physics
is taught as the core subject at the same
time seeking your cooperation and prayers
for the event.

Thanking you,

Dr. Biju Thomas
(Principal)

Dr. Sindu Jones
(HoD)

Dr. Ambika D.
(Teacher-in-charge)

Rohit Pratap Nair
(Students-in-charge)

Eligibility
Any Student pursuing UG/PG in Physics at
any College/ Department of any recognized
University can participate

Registration
Registration Link :
<https://forms.gle/Ep4ZE1kbXQV7La1DA>

GUIDELINES

- THIS IS AN INDIVIDUAL COMPETITION
- THE QUIZ WILL BE COMPLETELY IN ONLINE MODE.
- THE COMPETITION WILL BE HELD IN TWO ROUNDS.
- THE FIRST ROUND IS A TIMED ROUND WITH A SPECIFIC NUMBER OF QUESTIONS ARE TO BE ANSWERED IN THE SPECIFIED TIME INSTRUCTED BY THE QUIZ MASTER. THE TOP 5 WINNERS OF THE FIRST ROUND WILL BE CALLED FOR THE SECOND ROUND VIA A GOOGLE MEET.
- DECISION OF QUIZ MASTER WILL BE FINAL AND BINDING



PROF. SUSAN JOHN K.

She was a great teacher, mentor and guide. She infused in her students the passion for Physics and its relevance in understanding science and technology. She was an awesome perfectionist and always encouraged to strive for excellence with her down to earth attitude. Her passion, dedication and pursuit for excellence in everything she does have remained with her students and colleagues. We pay our tribute to this great soul who has set her footprints in the department.

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1. A Brief write-up

The association of Physics Department of Baselius College Kottayam has launched an Online Physics Quiz Competition in memory of Prof. Susan John K who left for heavenly abode on 15th August 2008. The 14th Prof. Susan John K. Memorial All Kerala Intercollegiate Online Physics Quiz Competition has conducted at 3:00 p.m. on 6th September 2021.

The competition has conducted in 2 (sections). In the first section, The registered contestants attended quiz via Google form. The top five participants had been selected for the live Quiz Competition held via Google meet.



The Quiz master of the competition Dr. Aparna, Assistant Professor of Physics Department explained the Rules and Regulations of the competition. Live quiz has also been conducted as various rounds. In the first round, each contestant had taken quizzes from the topics they had selected. The second round contained general questions based on Physics. In the third round, contestants had to identify the picture by removing puzzles in the limited chances. Around 30 students from various colleges and universities participated in the competition. Mr. Manujith A, Amrita Vishwa Vidyapeetham won the First cash prize of (Rs. 1000/-), R Rajesh, CUSAT and Lekshmi Unnikrishnan, NSS Hindu College were the Second and Third winners respectively. The contestants had given their feedback and suggestions about the competition.

Participant Details

Aparna Thankappan	Baselius
Elsa Maria Nobi	Alphonsa College Pala
Ann Mary Mathew	MES, College, Nedumkandam, Idukki
P S Adarsh	Kuriakose Gregorios College, Pampady
Neeraja K Shaji	BCM College, Kottayam
Pratheesh K das	CMS College Kottayam

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Diya Joseph	Assumption College
Kishan Bajpai	Nit Tiruchirapalli
ALFIYA C M	St. Joseph college moolamattom
Divya mary varghese	Bharata mata College thrikkakara
Akshaya Jeenraj	BCM College, Kottayam
Meenakshi Manoj	Alphonsa College , Pala
Abhishek K P	CMS college
Divya Suresh	St Dominic's college kanjirappally
Augen Joe	Bharata Mata College
Srihari R S	UC College
Sreekuttan K S	S.V.R N.S.S College Vazhoor
Jeevan Johns	Mar Athanasius College Kothamanghalam
Pranav Gupta	IIT Bombay
R Rajesh	CUSAT
Eviya Steephan	St Teresa's College Ernakulam
Sandeep Krishna P.S	Newman College Thodupuzha
Aswin Suresh	CMS College Kottayam
Anandhu SJ	University College TVM
Lekshmi Unnikrishnan	Nss Hindu College
Gireesh p p	Cms college kottayam
Meghana M R	CMS College, Kottayam
Pranav DP	VTM NSS College, Dhanuvachapuram
Nelson Sunny	CMS College, Kottayam
Manujith A	Amrita Vishwa Vidyapeetham, Coimbatore

2.3 Cultural Programme Organised

Summary :

Sl No	Title of the Programme	Nature of the programme	No. of participants
1	Onam Celebration		

Summary of Reports of each Activity

Onam Celebrations:



Beats 2021-22, the association of Postgraduate Department of Physics and Center for Research, Baselius College Kottayam had conducted events for Onam celebration on the 21st of August 2021. Bijin K Biju of D3 physics had sung an onam song which was composed by himself. His work received great appreciation from both staff and students. The teachers also presented a video which included their warm and heartfelt onam wishes to the students. Despite of the current pandemic situation, the students and teachers had participated to their level best with utmost energy and enthusiasm.

Participant Details

As it was a video release, there was..... viewers.

2.4 Extension/Outreach Programme Organised : 1

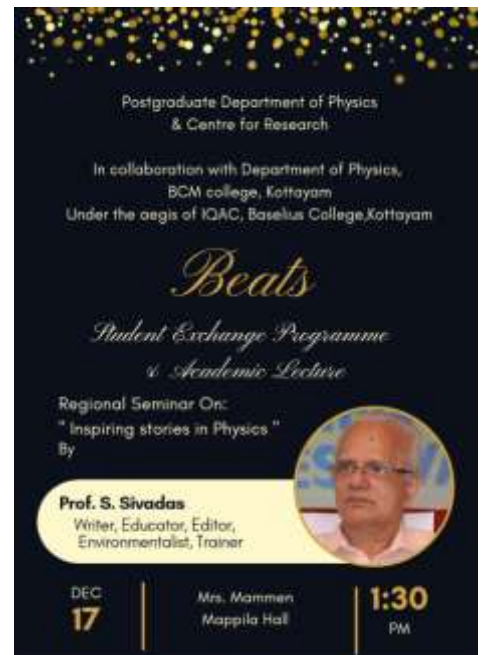
Summary :

Sl No	Title of the Programme	Nature of the programme	No. of participants
1	Inspiring stories in Physics	Extension Programme	85

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Summary of Reports of each Activity

Beats 2021-22, association of Postgraduate Department of Physics and center for Research, Baselius College Kottayam has conducted a student exchange programme on 17 December 2021. The programme began at 1.30 pm with prayer by Haripriya P Nair. The session was led by the honorable guest Prof. S Sivadas. The students from BCM college were also invited to the programme. The association incharge Dr. Ambika D welcomed everyone followed by Dr Sindu Jones, The Head of Department done the presidential address. The aim of the programme is to ignite the enthusiastic minds of students with various information and thereby building up their educational and communicational skills through interaction. Prof S Sivadas inspired the students through his experiences and achievements. The session was interesting and informative.



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Regional Seminar on

"Inspiring Stories in Physics"

Speaker of the day: Prof. S Sivadas

Venue: Mrs Mammen Mappila Hall - Date: 17/12/2021

Sl. No	Name	Class	Name of the college
1	Lakshmi P. Rameek	D ₃ Physics	Baselius College
2	NEEHA ANNA THOMAS	D ₃ PHYSICS	BASELIUS COLLEGE
3	Gowri - G M		
3	Bunil. k. korals	D ₃ phy	Baselius college
4	Vaisakh R	D ₃ Physics	Baselius College
5	Bijin K Beju	D ₃ Physics	Baselius College
6	Ajmal	D ₂ Physics	Baselius College
7	Dasarath Thoppil	D ₃ Physics	Baselius College
8	Nithin. S. S	D ₃ Physics	Baselius College
9	Marshall Ajith	D ₃ physics	Baselius collage
10	Michal Kummar N/E	D ₃ phy	Baselius
11	Romasio	D ₃ phy	Baselius.
12	Akhila Grace Rajes	D ₃ phy	Baselius
13	Megha Mani	" "	"
14	Rakhi Raj	"	"
15	Arekha Ajikumar	"	"
16	Amrutha - R Neel	"	"

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Sl. No.	Name	Class	Name of the college
17	Sumone M S	D ₃ Phy	Baselius
18	Irene Elsa Cherian	D ₃ Phy	Baselius
19	Irene Anna Venghese	"	"
20	Emi Susan Thomas	"	"
21	Devika V c	"	"
22	Shilpa Babu	"	"
23	Surya C	A phy	BCM college
24	Snetha Francis	D ₁ phy	"
25	Megha H Karat	" "	" "
26	Mithra Vinod S Kumar	"	"
27	SNETHA SARDU	"	"
28	Tanani Kanakadaj	"	"
29	Aramda Vijayan	M. phy	Baselius College
30	Sanjay S Kumar	M. physics	Baselius College
31	Ashil km	M. a. Physics	Baselius College
32	Rashid Muhammed	Bsc phy	"
33	KIRAN RAJ	BSC physics	"
34	Jimumon Chacko	B ^{sc} physics	"

Physics Association 2021-22

Regional Seminar on

"Inspiring Stories in Physics"

Speaker of the day: Prof. S Sivadas

Venue: Mrs Mammen Mappila Hall - Date: 17/12/2021

Sl. No	Name	Class	Name of the college
1.	KRISHNENDU R	M ₁ Physics	BASELIUS COLLEGE
2.	UTTARA J	M ₁ physics	"
3.	DASY KUTTAPPAN	M. Physics	"
4.	CHRISTA Biju	M ₁ PHYSICS	BASELIUS COLLEGE
5.	VINAYA P	M ₁ PHYSICS	BASELIUS COLLEGE
6.	Anandu Vijayan	M. physics	Baselius college.
7.	Sanjay S Kumar	Msc Physics	Baselius college
8.	Akhil KM	M.Sc physics	Baselius college Kottayam.
9.	Rashid Muhammed	Bsc Phy	"
10.	KIRAN RAJ	Bsc physics	"
11.	Jinumon Chacko	"	"
12.	Surya S	Bsc phy	BCM college
13.	Sneha Francis	Bsc Phy	"
14.	Megha H. Karat	Bsc Phy	" "
15.	Mitna Vinoda S Kumar	Bsc Phy	"
16.	SNEHA SABU	Bsc. Phy	"
14.	Tanani Kanakaraj	Bsc. Phy	"

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Sl. No.	Name	Class	Name of the college
18.	Aleena Maria Smt. Mool	BSc Physics	BCM College
19.	Alhira Aniyachan	Bsc Physics	"
20.	Ammu K. Reji	"	"
21.	Imya George	"	"
22.	Aravathy P	"	"
23.	Geetha R	"	"
24.	Treesa K. Deasia	"	"
25.	Sreelakshmi M.P	Bsc Physics	Baselius College
26.	Gowri Nandana N.S	"	"
27.	Anakha R	"	"
28.	Devaja V	"	"
29.	Gowri G. Hoban	"	"
30.	Heera H	D2	"
31.	Haripriya P. Nair	D2	Baselius College
32.	Revathy S	"	"
33.	Krishnendu B. Nair	"	"
34.	Anna Binoy	"	"
35.	Saravathi Devi k.k	"	"
36.	Hilda Suzanne Punnen	"	"
37.	ELIAS ABRAHAM	"	"

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38	Heaven C. Jacob	BSc Physics	Basilias college
39	Ginacesan P. Rajan	"	"
40	Abhijith P. B	BSc Physics	Basilias College
41	Zaphan Manam Mathew	BSc Physics	Basilias College
42	Sumed. V. Zachariah	BSc Physics	Basilias college
43	Abhijith P	BSc Physics	Basilias college.
44	Abhijith V-J	BSc Physics	Basilias college
45	Anish Krishnan	BSc Physics	"
46	Umesh Vishwanathan	BSc Physics	"
46	Serjit Thomas	"	"
46	Abhichok	"	"
47	Abdul bumar	"	"
48	Karthika B Nair	BSc Physics	"
49	Priyanshu Manam Jacob	BSc Physics	"
50	Alex Paul	BSc Physics	"
51	Nandagopal G	BSc Physics	"

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2.5 Skill Development Programme/ Courses Organised : Nil

2.6 Certificate Course Conducted, if any : Nil

2.7 a. Student Participation and Achievement –inside College

Sl. no	Name of the student	Class	Email	Programme organised by with title of the programme	Date of Programme	Nature of achievement	Whether certificate attached
1	Krishnendhu R	M1 Physics	krishnendur2000@gmail.com	Thiruvathira inter house competition by Baselius College, Kottayam.	23 rd March, 2022	3 rd Prize	No
2	Devaja V	D1 Physics	devajav8@gmail.com	Recitation Sanskrit	23 rd March, 2022	2 nd prize	No
3	Rohit Pratap Nair	D3 Physics	rohitpratapnair@gmail.com	Online quiz conducted by PG department of commerce (SF) Baselius college, Kottayam	26 th June 2021	Participation	yes
4	Rohit Pratap Nair	D3 Physics		Best outgoing student of the Baselius College			No

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2.7 b. Student Participation and Achievement – Outside College

Sl. no	Name of the student	Class	Email	Programme organised by with title of the programme	Date of Programme	Nature of achievement	Whether certificate attached
1	Christa Biju	M1 Physics	christab728@gmail.com	Kerala intercollegiate Physics Quiz by St. Stephen's College, Uzhavoor.	4 th December, 2021	Participation	No
2	krishnendhu R	M1 Physics	krishnendur2000@gmail.com	Kerala intercollegiate Physics Quiz by St. Stephen's College, Uzhavoor	4 th December, 2021	Participation	No
3	Krishnendhu R	M1 Physics	krishnendur2000@gmail.com	IUCAA introductory Summer School (ISSA) 2022	16 th May, 2022 (for five weeks)	Participation	yes
4	Akhil KM	M1 Physics	akhilkm75@gmail.com	IUCAA introductory Summer School (ISSA) 2022	16 th May, 2022 (for five weeks)	Participation	No
5	Akhil KM	M1 Physics	akhilkm75@gmail.com	Prof Mohan Kurien Memmorial Intercollegiate Quiz Competition, CMS College Kottayam	30 th March 2022	Participation	No
6	Sanjay S Kumar	M1 Physics	sanjayskmr007@gmail.com	Prof Mohan Kurien Memorial Intercollegiate Quiz	30 th March 2022	Participation	No

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				Competition, CMS College Kottayam			
7	Ariakutti C.S	M2 Physics	ariakutti3021@gmail.com	International conference on advances and applications in physical science (IC- AAP 2022), NSS Hindu college Changanassery	7-11 march 2022	Participati on	yes
8	Silpa Sivan	M2 Physics	silpasivan46@gmail.com		19 -07-2021	Participant	
9	Amrutha R Nair	D3 Physics	rnairamrutha67@gmail.com	M. G University Youth Festival- Wake up call	02/04/2022	A grade	No
10	Kukku Thomas	(PG – 2019- 21		National conference RICERCA 2021, organised by St. Joseph's college for Women, Alappuzha	5-11 /10/2021	Second prize	yes
11	Kukku Thomas	(PG – 2019- 21		'Online conference on Engineering and Enabling Materials' organised by centre for Advanced materials, Qatar University.	24/11/2021	certificate of appreciati on in recognitio n of outstandin g contributio n with E – poste	yes
12	Ms. Chinnu mol Xavier	(PG – 2019- 21		international Online conference on Advanced	14 -16 /12/ 2021	certificate of presentatio n	yes

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				nano Materials (ICAN 2021) organised by Nanos cience and technology and Deapartment of Basic sciences of Amal Jyothi College of Engineering and school of Energy Materials, MG University and faculty of chemistry, Gdansk University of technology from			
13	Ayana Babu and Ariakuttiy C.S.			KSCSTE		Received the funding for M.Sc Project	yes
14	Rohit Pratap Nair	D3 Physics	rohitpratapnair@gmail.com	Documentary competition by Suchitwa Mission, Kotayam		First prize	Yes
15	Rohit Pratap Nair	D3 Physics	rohitpratapnair@gmail.com	Intercolligate Photography Competiotion by SCTCE		First Prize	Yes
16	Rohit Pratap Nair	D3 Physics	rohitpratapnair@gmail.com	Photography Competition by Marian College, Kuttikkanam		First Prize	yes

(Softcopy of certificates to be attached)

2.8 Any Other activity/point/ initiative worth mentioning (Attach supporting documents)

1. Environmental day celebration –

(a) *Green quarantine* -

The Association Beats 2020-21 of Postgraduate Department of Physics and Centre for Research of Baselius College, Kottayam in association with IQAC has presented a video 'Greequarantine' on 5 June 2021 in connection with World Environment Day highlighting the theme of eco restoration. The video portrays the ways in which the staffs and students of the Department spent the lockdown period of by utilising their time for nature. The video was released in various social media and went viral.



Link - <https://youtu.be/0nUxWrpZ2Pw>

2. Asteroid day – 30th June



A video in connection with Asteroid was released.

<https://youtu.be/1mNw7-Pj0jUI>

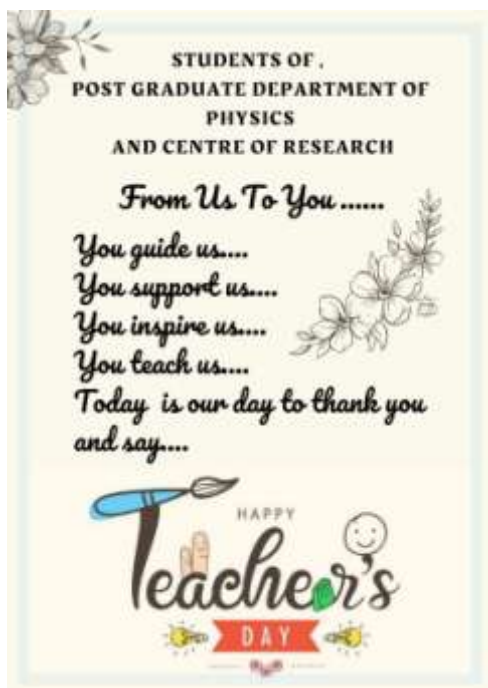
3. Moon day celebration –21st July

Beats 2021-22, the association of Postgraduate Department of Physics and Centre for Research, Baselius College Kottayam had conducted a small event in accordance with the International Moon Day on July 21st 2021. As a part of celebrating the day, an online digital pamphlet was released which included some interesting facts depicting the importance of this day. Efforts were taken from both students and teachers in conveying the importance of this day .



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3. Teachers day:



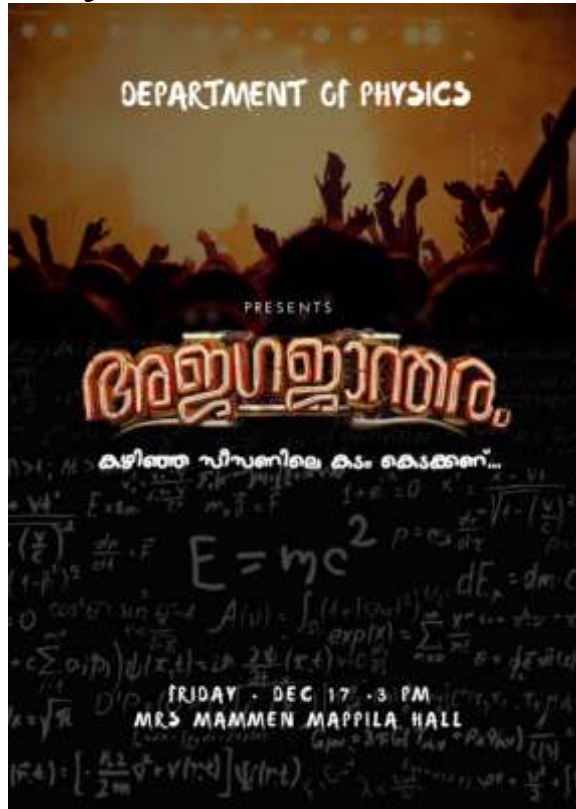
The students of this department came up with a digital card to thank their teachers for the support and care given to them.

4. Freshers day

Beats 2021-22, association of Postgraduate Department of Physics and center for Research, Baselius College Kottayam has organised a Freshers party on 17 December 2021.

The D3 seniors carried out the Freshers party to introduce every juniors and make the new members comfortable and connected with the Physics family. The programme was very exciting with various task and other cultural programmes. The joy and happiness with high levels of excitement seen in the juniors enhanced the ambience and spirit of the party. The programme was very enjoyable and was memorable moment for every juniors in their academic year ahead.

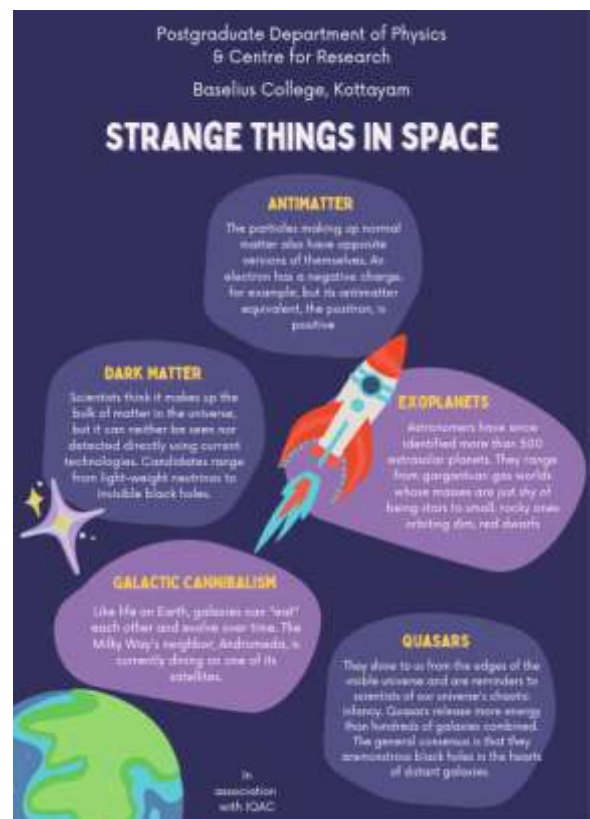
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5. Space week Celebrations

As a part of the space week celebrations, the students came up with the idea of launching digital pamphlets on every day throughout the space week in our association whatsapp group. It contained various facts regarding the outer space.



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WORLD SPACE WEEK OBSERVANCE 2021

ORGANISED BY: BREAKTHROUGH SCIENCE SOCIETY, KOTTAYAM CHAPTER
IN ASSOCIATION WITH: BISHOP CHULAPARAMBIL MEMORIAL COLLEGE KOTTAYAM, BASELIUS COLLEGE KOTTAYAM, AND K.G. COLLEGE PAMPADY.

Webinar on
"SPACE EXPLORATION – A WINDOW TO THE UNIVERSE"

**OCTOBER 9, 2021
SATURDAY
3 PM**



Key note speaker: **ANAND SHANKAR O.T.**
Scientist, VSSC,
ISRO, Thiruvananthapuram

 <https://youtu.be/PwH4tQeVbBw>

POSTGRADUATE DEPARTMENT OF PHYSICS
AND CENTRE FOR RESEARCH
BASELIUS COLLEGE, KOTTAYAM

INDIAN ACHIEVEMENTS IN SPACE

Aryabhata
Designed and fabricated completely in India, the Aryabhata was named after the famous Indian astronomer and was the country's first satellite.



Rohini
India developed and launched a series of four satellites. Launched by the Indian Space Research Organisation (ISRO), three of the satellites made it to orbit.



Chandrayaan-1
A feather in India's hat, the Chandrayaan-1 was an unmanned lunar orbiter sent to orbit the spacecraft completed over 3,400 orbits around the moon.



Mangalyaan
India launched this mission and became the first country to succeed on its maiden attempt to Mars. The Spacecraft reached Mars' orbit and ISRO became the fourth space agency in the world to reach Mars' orbit.



IN ASSOCIATION WITH IQAC



Dr. Sindu Jones

Head of the Department



Dr. Ambika D

Teacher-in-charge of the Association
