

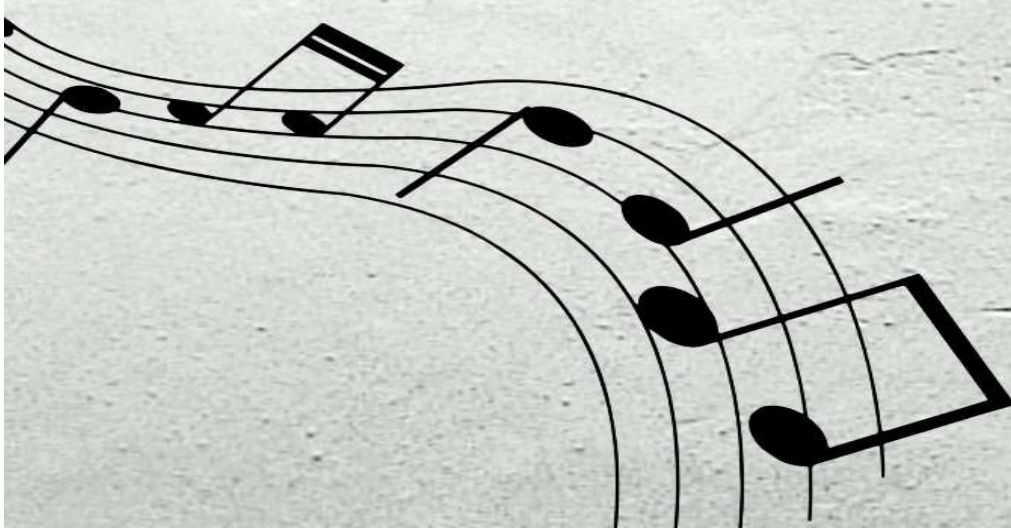


Annual Report

*Physics Association
(Beats)*

Year: 2022-23

*A Quality Assurance
Venture of the IQAC
Baselius College,
Kottayam*



Annual Report
Physics Association (Beats)
Year : 2022-23

A Quality Assurance Venture of the IQAC
Baselius College, Kottayam

CERTIFICATE

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. Linju Ann Jacob

Teacher-in-charge

Verified

IQAC Co-ordinator.

Counter-Signed by

PRINCIPAL

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Part – A

1.1 Name of the Club : Physics Association (Beats)

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

Social media details

Name of the teacher in charge : Dr Linju Ann Jacob

Name of the Club Secretary : Ms Anamika S Gopal

Contact Nos.

Teacher-in-charge : 9447851061

Secretary : 8089195156

Part A- 1.2 Office Bearers and Executive Committee details

1.2 Executive Committee Details

Sl No	Name of the member	Designation/ Class/ Position	
1	Jaison Thomas	M2 physics	
2	Krishendu R	M2 Physics	
3	Anna Binoy	D3 Physics	
4	Aarshadhara M U	D3 Physics	
5	Devaja	D2 Physics	
6	Gowrinandhana	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)

Part A 1.3 – Plan of Action

Plan of Action	Proposed Date/ Month	Status of attainment at the year end
Skill Development Programme	June	Conducted on 24th June 2022
Prof. Susan John K Memorial 15th intercollegiate Physics Quiz Competition	August	Conducted on 26th August
Prof. V John Memorial intercollegiate Physics power point presentation Competition	August	Conducted on 26th August
Carrier Guidance class	September	Conducted on 7th october
Association inauguration and Seminar on Cyber security	October	Conducted on 12th october
INDUSTRIAL VISIT	November	Conducted on 26th November
NATIONAL ENERGY CONSERVATION DAY CELEBATION	December	Conducted on 14th December
Students tour	January	1st to 6th february
Prof. C C Kuriakose Memorial lecture series	November February March	
VALEDICTORY function	March	17th March 2023

Part – B

Part B – 2.1 Talks/Lectures/ Workshops Conducted : 5
2.2a Competitions Organised within the College: 0
2.2b- Inter-Collegiate Competitions Organised : 2
2.3- Cultural Programmes Organised : 0
2.4 – Extension and Outreach Programme Organised : 1
2.5- Skill Development Courses OrganisedL: 1
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 39 to 53

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.	Career Guidance Class - Higher Education and Employment Opportunities Date: 7th October 2022	Dr. Nibu A George	26	
2.	Special Lecture on Cyber Security and Awareness Date: 12th October 2022	Mr. George Jacob, a Civil Police Officer from the Cyber Cell, Kottayam	63	
3.	CKK Lecture series 1- SEMINAR ON ART OF LEARNING PHYSICS on 16th February 2023	VARGHESE REJI (B.Sc Physics 2018-2021)Research Scholar at Tata institute of fundamental research (TIFR	53	

4	CKK Lecture series 2- SEMINAR ON QUANTUM TELEPORTATION on 21st November 2022	ASHLIN JACOB (B.Sc Physics 2015-2018) Research Scholar at RAMAN RESEARCH INSTITUTE (RRI), BANGALORE	11	
5	CKK Lecture series 3- SEMINAR on Seminar on Introduction to Solar Cells on 19/12/2022	Mr. Joel K Joseph Research scholar NIT, Warangal,Telghana MSc PHYSICS 2018- 2020 BATCH	19	

Summary of Reports of each Activity

2.1.1 Career Guidance Class - Higher Education and Employment Opportunities

Date: 7th October 2022

Time: 11:00 AM

Venue: Baselius College, Kottayam

Speaker: Dr. Nibu A George, Assistant Professor in Physics, Baselius College

Introduction: The Career Guidance Class on Higher Education and Employment Opportunities was conducted at Baselius College on 7th October 2022. The class aimed to enlighten students about various higher education options and potential career paths available to them. Mr. Nibu A George, an esteemed Assistant Professor at Baselius College, shared his expertise and insights to help students make informed decisions regarding their academic and professional pursuits.

Event Details:

- **Date:** 7th October 2022
- **Time:** 11:00 AM
- **Venue:** Baselius College

Key Topics Covered:

Introduction to Higher Education: The session commenced with an overview of higher education and its significance in shaping a successful career path. Mr. Nibu A George emphasized the importance of continuous learning and the role of higher education in personal growth and development.

- **Identifying Interests and Goals:** Students were encouraged to introspect and identify their interests, passions, and long-term goals. Understanding individual strengths and preferences is crucial in choosing the right educational and career paths.
- **Exploring Higher Education Options:** Dr. Nibu elaborated on various higher education options available, including undergraduate and postgraduate programs, diploma courses, and certifications. He discussed the importance of selecting courses that align with students' interests and career aspirations.
- **Employment Opportunities:** The session provided insights into the current job market and emerging career fields. Mr. George discussed potential employment opportunities in different sectors and highlighted the demand for skilled professionals in various industries.
- **Skill Development:** Emphasizing the importance of skill development, the speaker encouraged students to focus on acquiring relevant skills and staying updated with industry trends. He highlighted the role of internships, workshops, and extracurricular activities in enhancing employability.
- **Career Planning and Decision Making:** Students were guided on effective career planning and decision-making strategies. Dr. Nibu emphasized the significance of setting short-term and long-term career goals and taking informed decisions to achieve them.
- **Questions and Answers:** The session concluded with an interactive Q&A segment, where students had the opportunity to seek clarifications and receive personalized guidance from Mr. George.

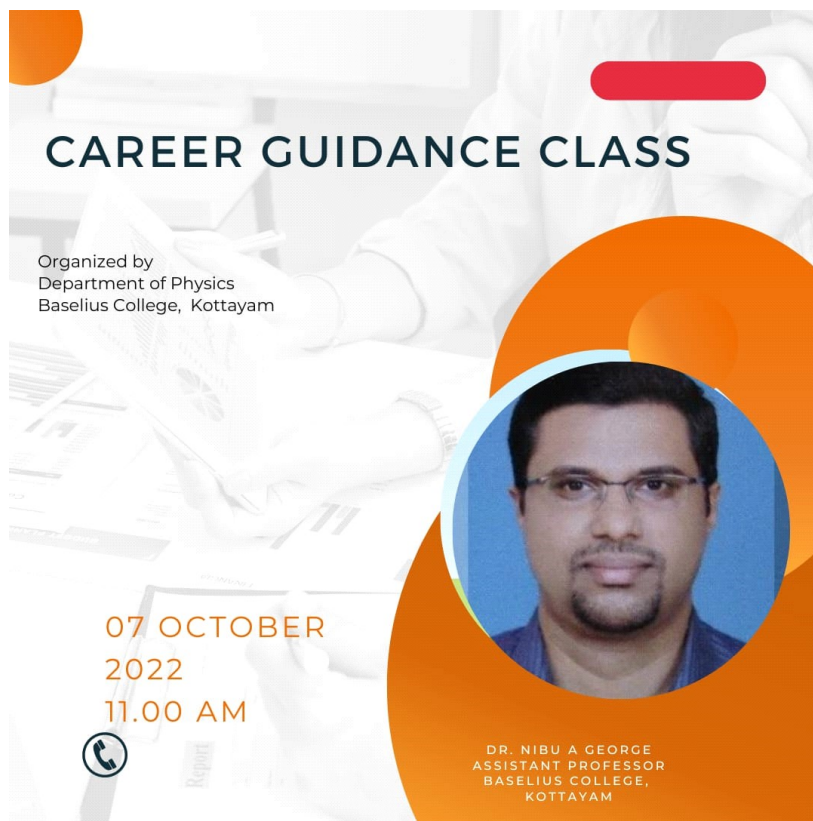
Conclusion:

The Career Guidance Class on Higher Education and Employment Opportunities conducted by Dr. Nibu A George at Baselius College was an enlightening and empowering session for the students. It provided valuable insights into various higher education options and career prospects, guiding students in making well-informed decisions about their academic and professional journey. The class equipped the students with essential tools to plan their careers effectively and work towards achieving their aspirations.

Acknowledgments:

We extend our sincere appreciation to Mr. Nibu A George for his valuable insights and guidance during the Career Guidance Class. His expertise and dedication have undoubtedly

inspired and motivated the students to chart their paths towards a successful and fulfilling future. We also thank Baselius College for organizing this impactful event and providing students with opportunities for personal and professional growth. Lastly, we extend our gratitude to all the students who actively participated in the session and made it a fruitful and memorable experience.



2.1.1 Title: Association Inauguration and Special Lecture on Cyber Security and Awareness

Date: 12th October 2022

Venue: Dr. A P Mani Media Center, Baselius College

Abstract: The Department of Physics at Baselius College commenced its academic year 2022-23 with the Association Inauguration held on 12th October 2022. The event featured a special lecture on "Cyber Security and Awareness," conducted by Mr. George Jacob, a Civil

Police Officer from the Cyber Cell, Kottayam. The session provided valuable insights into the world of cyber threats and the importance of practicing technology with awareness.

Introduction: The Physics Association Inauguration marked the beginning of the academic year for the Department of Physics at Baselius College. The event aimed to inspire and educate students about the field of physics while also addressing crucial issues such as cyber security.

Event Details:

- **Time:** 11:30 am
- **Venue:** Dr. A P Mani Media Center, Baselius College

Program Agenda:

Prayer Song: The program commenced with a melodious prayer song performed by Krishnendu B. Nair, a student of D3 Physics.

Welcome Address: Anna Binoy, Association Joint Secretary, delivered a warm welcome speech, setting the tone for the event.

Presidential Address: Dr. Sindu Jones, Head of the Department of Physics, delivered the presidential address, inspiring the students to make the most of the academic year ahead.

Association Inauguration: George Jacob, a Civil Police Officer from the Cyber Cell, Kottayam, inaugurated the Association by lighting the lamp.

Special Lecture on Cyber Security and Awareness: Mr. George Jacob conducted an intriguing session on cyber security, sharing real-life case studies from his investigations. The lecture highlighted the importance of using technology with awareness and understanding potential cyber threats.

Learning from the Session: The session provided students with valuable insights into cyber security practices and increased their awareness of potential risks while using technology.

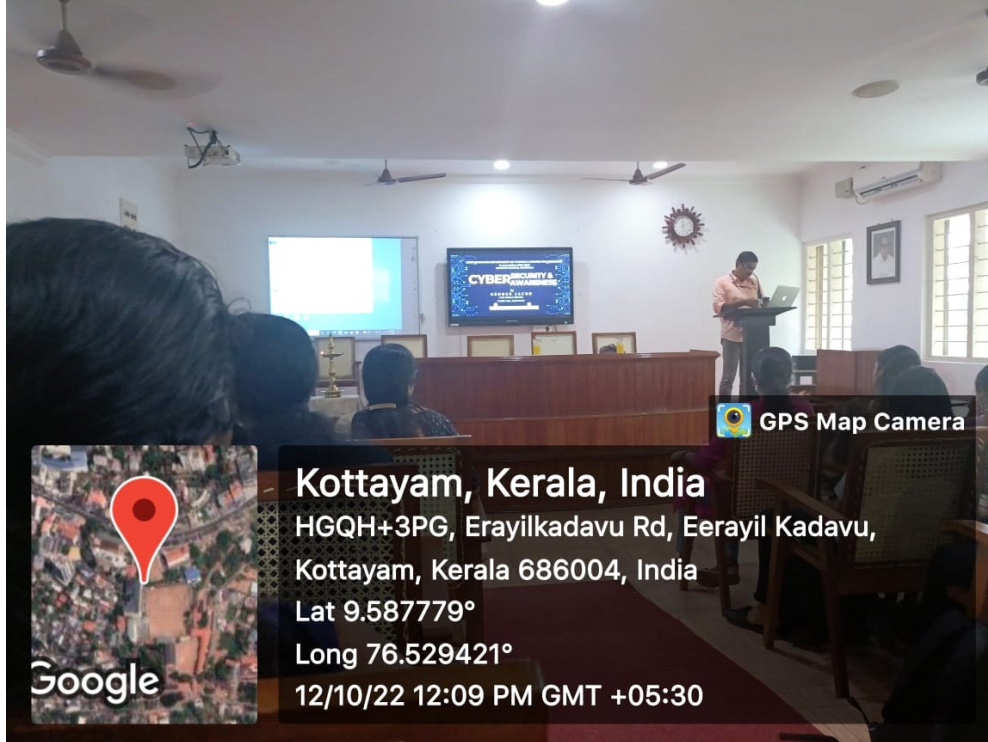
Vote of Thanks: Anamika S. Gopal, the Association Secretary, extended gratitude to Mr. George Jacob for the enlightening session and expressed appreciation to all attendees for their active participation.

Conclusion: The Association Inauguration of the Department of Physics at Baselius College for the academic year 2022-23 was a successful event that commenced the year on an enlightening note. The special lecture on "Cyber Security and Awareness" by Mr. George Jacob provided students with practical knowledge about protecting themselves from cyber threats and using technology responsibly. The event successfully achieved its objectives and left the students motivated and eager to engage in the academic year ahead.

Acknowledgments: We extend our heartfelt appreciation to Mr. George Jacob for his valuable contribution to the special lecture on cyber security. We also thank all the organizing committee members, students, and faculty for their active involvement, making the Association Inauguration a memorable and fruitful event.

Seminar Report on Cyber Security and Awareness among College Students





Abstract: This seminar report aims to shed light on the importance of cyber security and creating awareness among college students. With the increasing reliance on digital technology and the internet, college students are exposed to various cyber threats. The seminar focused on educating students about potential risks and best practices to ensure their safety while using online platforms. The objective was to empower students with the knowledge and tools to protect themselves in the digital world.

Introduction: The seminar on cyber security and awareness was conducted to address the growing concern of cyber threats faced by college students. In today's interconnected world, the internet is an integral part of academic and personal life, making it essential for students to be well-informed about online safety.

Seminar Details:

Seminar Agenda:

- **Opening Remarks:** The seminar began with opening remarks, emphasizing the significance of cyber security in the lives of college students and the potential risks they may encounter.
- **Understanding Cyber Security:** The first session provided an overview of cyber security, explaining common cyber threats such as phishing, malware, social engineering, and identity theft.

- **Online Privacy and Data Protection:** This session focused on the importance of safeguarding personal information and maintaining online privacy. It included discussions on the implications of data breaches and how students can protect their data.
- **Social Media Risks:** College students are active users of social media platforms, making them susceptible to privacy breaches and cyberbullying. The seminar discussed the potential risks associated with social media usage and ways to mitigate them.
- **Password Management:** Proper password management is crucial for online security. The session highlighted the significance of strong, unique passwords and techniques for securely managing them.
- **Safe Internet Practices:** This session covered safe internet practices, including verifying website authenticity, avoiding suspicious links, and identifying fake websites.
- **Mobile Security:** With the widespread use of smartphones, the seminar addressed mobile security concerns and ways to protect devices from cyber threats.
- **Cybersecurity Tools and Resources:** The seminar introduced students to various cybersecurity tools and resources available to enhance their online safety.
- **Interactive Session:** An interactive Q&A session allowed students to seek clarification on specific cyber security concerns.
- **Conclusion and Takeaways:** The seminar concluded with a summary of key takeaways and a call-to-action for students to implement the best practices learned during the event.

Impact and Benefits: The seminar on cyber security and awareness among college students proved to be highly beneficial:

- **Enhanced Knowledge:** Participants gained a comprehensive understanding of cyber threats and ways to protect themselves online.
- **Increased Awareness:** The seminar created awareness about potential risks and the importance of being cautious while using digital platforms.
- **Empowerment:** Students were empowered with practical knowledge and tools to safeguard their personal information and digital presence.
- **Risk Mitigation:** Armed with cyber security best practices, students were better equipped to mitigate risks and avoid falling victim to cyber attacks.

Conclusion: The seminar on cyber security and awareness successfully imparted crucial knowledge to college students, making them more informed and vigilant internet users. By promoting safe online practices and raising awareness about cyber threats, the seminar aimed to create a safer digital environment for students. Regular initiatives like these can contribute significantly to improving cyber security among college communities.

Acknowledgments: We extend our gratitude to all the organizers, presenters, and participants who made this seminar on cyber security and awareness a valuable and

impactful event. Their active involvement and dedication to digital safety are instrumental in fostering a more secure digital landscape for college students.



12-10-2022

Attendance Sheet

Name of the programme : Association Inauguration & Seminar
 Resource person : George Jacob (Civil police officer, cyber cell, Kottayam)

Time : 11:30 am
 Date : 12/10/2022

Name of the Students	Class	Signature of students
1 Revathy S	D3 Physics	Revathy S
2 Anand Binoy	D3 Physics	Anand Binoy
3 Arshadhasan M.U.	D3 Physics	Arshadhasan M.U.
4 Haripriya P. Nair	D3 Physics	Haripriya P. Nair
5 Lophin Mariam Mathew	D3 Physics	Lophin Mariam Mathew
6 Anamol shree	D3 physics	Anamol shree
7 Koushikendu B. Nair	D3 Physics	Koushikendu B. Nair
8 Saraswathi Devi k.k	D3 physics	Saraswathi Devi k.k
9 Anamika & Gopal	D3 Physics	Anamika & Gopal
10 Karthika B. Nair	D3 physics	Karthika B. Nair
11 Heera H	D3 Physics	Heera H
12 Divika S	M2 PHYSICS	Divika S
13 Anjali K	M2 PHYSICS	Anjali K
14 Neha Varghese C.	M2 PHYSICS	Neha Varghese C.
15 Anousha Mol	M2 Physics	Anousha Mol
16 Genip J. Thomas	D3 Physics	Genip J. Thomas
17 Athul Kumar A	D3 Physics	Athul Kumar A
18 Nandagopal G	D3 Physics	Nandagopal G
19 Hilda Suzanne Punnar	D3 Physics	Hilda Suzanne Punnar
20 Abhisith V	D3 physics	Abhisith V
21 Philja philip	D3 physics	Philja philip
22 Ahmed V. Laksharal	D3 physics	Ahmed V. Laksharal
23 Alex Paul	D3 Physics	Alex Paul
24 CHRISTA BISHA	M2 PHYSICS	CHRISTA BISHA
25 Vinaya P	M2 Physics	Vinaya P

	Name of Student	Class	Signature
1	KIRAN RAJ	B Physics	
2	GRACISON P RAJAN	"	
3	MELBIN MANU ABRAHAM	"	
4	Abhijith P	B3 Physics	
5	Sudhakarshini M.P	D3 Physics	
6	Gowdi G. Mohan	D3 Physics	
7	Dhanuja V	D3 Physics	
8	Jay George	D1 Physics	
9	Anandha M A	B1 Physics	
10	N. Laxith	D1 Physics	
11	Sarajith S	M1 Physics	
12	Athul Jayaram	M1 Physics	
13	ANANTHAKRISHNAN	M1 Physics	
14	KISHORE S	M1 Physics	
15	Vasudhaya Sarma K	D1 Physics	
16	Midhain . C. Jose	D1 physics	
17	Anapha - P	M1 PHYSICS	
18	Krishnendu Sajayan	M1 physics	
19	Aparna Sathesan	M1 PHYSICS	
20	Saranya Joy	M1 Physics	
21	Sona Sara Saran	"	
22	Rutisara Srijay	M1 Physics	
23	Vishnu K. V	D3 PHYSICS	
24	Azeem Shan	"	
25	Arvin Jind	"	
26	Ashya Kumar	"	
27	ALAN BABY	D1 PHYSICS	
28	ATIN T R	D1 PHYSICS	
29	Geeta Roshni	D1 PHYSICS	
30	Sudhakarshini V.P	D1 PHYSICS	
31	Nanditha Pandeep	D1 PHYSICS	
32	Aleena Iji	D1 Physics	
33	Lena Elva Varghese	D1 Physics	

	Name of Student	Class	Signature
34	Abhijith - P	D3 Physics	
35	Uttara. J	M2 physics	
36	Rintamal Varghese	M2 PHYSICS	
37	Krishnendu R	M2 Physics	
38	Anagha merin Das	M2 Physics	

2.1.3 CCK Memorial lecture series1

SEMINAR ON QUANTUM TELEPORTATION on 21st November 2022

BY ASHLIN JACOB (B.Sc Physics 2015-2018)

Research Scholar at RAMAN RESEARCH INSTITUTE (RRI), BANGALORE

Title: Quantum Teleportation: A Leap into the Future of Communication

Quantum teleportation is a fascinating and revolutionary concept within the field of quantum physics. It explores the potential to transmit quantum information, notably the exact state of an atom or particle, from one location to another without physical transportation of the particle itself. This process, while not akin to the science-fiction trope of teleporting humans or objects instantly across space, is an impressive feat that could significantly influence future technologies.

Quantum teleportation is based on the principles of quantum entanglement, a phenomenon that links particles in such a way that the state of one instantaneously influences the state of the other, regardless of the distance between them. Einstein famously described this as "spooky action at a distance". Scientists can exploit this peculiar characteristic to 'teleport' quantum states between particles.

The process of quantum teleportation involves three main stages: entanglement, transmission, and reconstruction. First, a pair of entangled particles is generated. The state of the source particle, which is to be teleported, is then measured in conjunction with one of the entangled particles. This joint measurement is used to project the second entangled particle, often miles away, into a state that is dependent on the original source particle state. The source state is now teleported. One key aspect to understand is that during quantum teleportation, the original state is destroyed during the teleportation process and must be recreated at the receiving end. This aligns with the 'no-cloning theorem' of quantum mechanics, which states that it is impossible to create an identical copy of an arbitrary unknown quantum state.

From a practical viewpoint, quantum teleportation could revolutionize how information is sent and received. It has the potential to contribute significantly to the development of quantum computing and quantum communication, including incredibly secure quantum internet, where eavesdropping could be detected due to the fundamental laws of quantum mechanics.

However, while quantum teleportation has been experimentally achieved with photons and small particles, there are significant technical challenges to overcome before it can be used in practical applications. These include maintaining quantum coherence or 'entanglement' over long distances and accurately manipulating quantum states.

In conclusion, quantum teleportation is an exciting frontier in quantum physics that holds promising potential for future technologies. While the challenges are substantial, the possible

rewards of secure communication and powerful quantum computing drive scientists worldwide to turn this quantum leap into reality.

Name of Programme: Walk with Scholar [Alumni Contribution]	
Date: 21/11/2022	Time: 12 pm.
Resource Person:	M/s Ashlin Jacob (Research scholar, RRI, Bangalore) (BSc Physics [2015-2018] Batch)
1. Sona Sara Sane	M ₁ Physics
2. Saranya Joy	M ₁ Physics.
3. Krishnendu Sajayan	M ₁ Physics
4. Aparna Satheesan	M ₁ Physics
5. Anagha P	M ₁ Physics
6. VIJITH A V	M ₁ Physics
7. KISHORE S	M ₁ Physics
8. Athul Jayan	M ₁ Physics
9. Sreejith S	M ₁ Physics
10. Jaron Sibu	m ₁ physics
11. Ameyatma Koushik	m ₁ physics

~~Sona~~
~~Saranya~~
~~Krishna~~
~~Aparna~~
~~Ana~~
~~Vijith~~
~~Kishore~~
~~Athul~~
~~Sreejith~~
~~Jaron~~
~~Ameyatma~~





2.1.4 CCK Memorial lecture series2

SEMINAR ON Seminar on Introduction to Solar Cells on 19/12/2022

By Mr. Joel K Joseph

Research scholar

NIT, Warangal, Telghana

MSc PHYSICS 2018-2020 BATCH

Solar cells, also known as photovoltaic cells, are the backbone of solar power generation, converting sunlight directly into electricity. These energy-harvesting devices play a pivotal role in harnessing the abundant and renewable energy of the sun, making them a vital component of the global shift towards clean and sustainable energy sources.

The concept of solar cells dates back to the 19th century, but it was not until the mid-20th century that practical applications began to take shape. The pioneering work of scientists and engineers paved the way for the development of efficient and cost-effective solar cells that are now widely used across the world.

Solar cells function based on the photovoltaic effect, wherein certain materials have the ability to generate electric current when exposed to light. When photons from sunlight strike the surface of a solar cell, they transfer energy to electrons, causing them to move

and create an electric current. This direct conversion of sunlight into electricity is what makes solar cells a clean and sustainable energy source.

The efficiency of solar cells has steadily improved over the years, allowing them to convert more sunlight into usable electricity. Today, solar cells are commonly made from silicon, a readily available and efficient material for photovoltaic conversion. However, ongoing research and development explore alternative materials, such as perovskites and organic compounds, to further enhance efficiency and reduce manufacturing costs.

Solar cells are used in various applications, from small-scale devices like calculators and outdoor lighting to large-scale solar power plants that feed electricity into the grid. They are particularly valuable in remote areas without access to conventional power sources, enabling decentralized energy generation.

The adoption of solar cells and solar energy has surged globally due to their environmental benefits and the continuous decline in the cost of solar power systems. As the world strives to reduce greenhouse gas emissions and combat climate change, solar cells play a critical role in the transition to a sustainable energy future.

In conclusion, solar cells represent a revolutionary technology that captures the sun's energy and transforms it into clean electricity. Their continuous development and widespread adoption contribute significantly to the global shift towards renewable energy sources, fostering a greener and more sustainable world for future generations. As research and innovation continue, solar cells hold the promise of playing an increasingly pivotal role in meeting the world's energy needs while reducing our carbon footprint and preserving the planet for future generations.



Name of the Programme : Walk with Scholar
(Alumni contribution)

Talk on : Introduction to Solar cell

Date : 19/12/2022

Time : 2:00 pm

Resource Person - Joel K Joseph (MSc (2018-2020) Reseach scholar, NIT Warangal, Telangana)

Venue - M3 class room

	Name of the student	Class	Signature
1	Saranya Jay	M2 Physics	
2	Sona Sara Saha	M3 Physics	
3	Ruksana Sihar	M3 Physics	
4	Kaishnendu Sajayan	M3 Physics	
5	Aparna Satheesan	H3 Physics	
6	Athul Jayan	"	
7	Kishore S	"	
8	Seegith S	"	
9	Jaison Sabu	"	
10	Vijith AV	"	
11	Ameyatma Koushik	"	
12	Anagha P	"	
13	Fathima Sultiana	"	
14	Sreelakshmi . vr	D1 Physics	
15	Nanditha Pradeep	D1 Physics	
16	Leena Elsa Varghese	D1 Physics	
17	Abaya Elsa Juby	D1 Physics	
18	Arin . T . R	D1 Physics	

2.1.5 . CCK Memorial lecture series3

SEMINAR ON ART OF LEARNING PHYSICS on 16th February 2023

BY VARGHESE REJI (B.Sc Physics 2018-2021)

Research Scholar at Tata institute of fundamental research (TIFR)

itle: The Art of Learning Physics

Physics, often referred to as the fundamental science, unravels the mysteries of the universe, from the tiniest particles to the vastness of space. The art of learning physics lies in the delicate balance of scientific inquiry, critical thinking, and creative problem-solving. Mastering this discipline requires dedication, curiosity, and a willingness to explore the unknown.

At its core, the art of learning physics is about understanding the fundamental principles that govern the natural world. Students embark on a journey to comprehend concepts such as motion, forces, energy, and the structure of matter. This journey is not simply about memorizing equations and formulas but delving into the deeper meaning behind them.

A key aspect of mastering physics is developing a solid foundation in mathematics. Mathematics provides the language through which the laws of physics are expressed. Equations become the tools to describe and predict the behavior of the physical world. The art of learning physics lies in recognizing the elegance and beauty of these mathematical relationships.

Moreover, the art of learning physics involves honing problem-solving skills. Physics presents real-world challenges that require creative thinking and innovative solutions. As students encounter complex problems, they learn to break them down into manageable steps, apply principles they've learned, and visualize the situations in a meaningful way.

Experimentation and observation are integral to mastering physics. The art of learning physics embraces hands-on experiences and practical demonstrations. By conducting experiments, students gain firsthand insights into the phenomena they study in textbooks. The ability to bridge theory with practice enhances the understanding of abstract concepts and fosters a deeper appreciation for the subject.

Furthermore, the art of learning physics thrives on curiosity and questioning. Inquisitive minds are the driving force behind scientific progress. Students are encouraged to question established theories, challenge assumptions, and explore alternative explanations. This spirit of inquiry opens doors to new discoveries and pushes the boundaries of our knowledge.

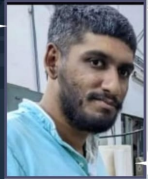
The art of learning physics also extends beyond the confines of the classroom. Physics is ever-evolving, and staying up-to-date with the latest research and advancements is essential. Engaging with scientific literature, attending lectures, and participating in discussions with peers and mentors contribute to a well-rounded learning experience.

Finally, the art of learning physics demands perseverance and resilience. Some concepts may prove challenging, and setbacks may occur. However, the process of grappling with difficulties, seeking help when needed, and pushing through obstacles fosters resilience and strengthens problem-solving abilities.

In conclusion, the art of learning physics is a multifaceted journey of exploration, inquiry, and critical thinking. It combines mathematical rigor, hands-on experimentation, and a quest for understanding the underlying principles of the universe. Embracing curiosity, perseverance, and creativity, students uncover the beauty and elegance of physics, making it a rewarding and intellectually fulfilling pursuit. With dedication and passion, the art of learning physics becomes a lifelong endeavor that deepens our understanding of the natural world and inspires us to continually seek answers to the most profound questions about our existence.

POSTGRADUATE DEPARTMENT OF PHYSICS &
 CENTER FOR RESEARCH
 In association with IQAC

ART OF LEARNING PHYSICS



VARGHESE REJI
 Physics research scholar

16 FEB 2023 | At 3.00 PM
 Venue: Physics Department Hall



SEMINAR ON ART OF LEARNING PHYSICS

RESOURCE PERSON : VARDHEESE REJI
RESEARCH SCHOLAR TIER ALUMINI

Date: 16/2/23

Time: 12pm

1	Krishnendu Sajayan	M3 Physics	Krishna
2	Rakshana Sijaj	M1 Physics	Rakshana S
3	Saranya Jay	M1 Physicist	Saranya
4	KISHORE S	"	Kishore S
5	Athul Jayam	"	Athul
6	Aparna Sathesaran	M1 Physics	Aparna
7	fathma juthana	M1 physicist	fathma
8	Sna ksa sasu	M1 physicist	Sna ksa
9	Sreejith S	M1 physicist	Sreejith
10	Vijith A V	M1 physicist	Vijith
11	Anegha P	M1 physics	Anegha
12	Jaison Sabu	"	Jaison
13	Anna Binoy	D3 physicist	Anna
14	Revathy S	D3 Physics	Revathy S
15	Hlera H	D3 Physics	Hlera
16	Saravandhi Das k k	D3 physicist	Saravandhi
17	Anamika S. Gopal	D3 Physics	Anamika
18	Sanjay J Kumar	M1 Physics	Sanjay
19	Alex Paul	D3 Physics	Alex
20	Anagha meen Das	M1 Physicist	Anagha
21	Rohithan varghese	M2 physicist	Rohithan
22	Jaison Thomas	M2 physics	Jaison
23	Abhikumar P	D3 PHYSICS	Abhikumar
24	Vaisakhi Viswanath	D3 physics	Vaisakhi

25	Akash Krishnan	D3 physics	AKASH
26	Sumat V. Sankaran	D3 physics	Sumat
27	Mithi	D3 PHYSICS	Mithi
28	Man. R. Habel	D3 PHYSICS	Man
29	ANGITHA P.	D3 PHYSICS	ANGITHA
30	Amsutha Mul	M2 PHYSICS	Amsutha
31	Neha Vaghare c.	M2 PHYSICS	Neha
32	Abyia Elsa Joshy	D1 PHYSICS	Abyia
33	Lena Elsa Vaghare	D1 PHYSICS	Lena
34	ALAN BABY	D1 PHYSICS	ALAN
35	Arunja Kumar	D1 PHYSICS	Arunja
36	Anandhu M R	D1 -phy Physics	Anandhu
37	Arun Jina	D1 physics	Arun
38	Daisy Kuttappan	M2 PHYSICS	Daisy
39	Uthara J	M2 physics	Uthara
40	Chaita Bijia	M2 Physics	Chaita
41	Vinaya P	M2 PHYSICS	Vinaya
42	Ananda Vijayan	M2 Physics	Ananda
43	Devika	M2 Physics	Devika
44	Anjali	M2 physics	Anjali
45	Zaneha	D1 Physics	Zaneha
46	Midhin T. Jose	D1 physics	Midhin
47	Zaphira Mariam	D3 physics	Zaphira
48	Haxipriya P. Nair	D3 Physics	Haxipriya
49	Sree Lakshmi VP	D1 physics	Sree
50	ARSHADHARA M. K	D3 PHYSICS	ARSHADHARA
51	Abhita Suzanne Permon	D3 Physics	Abhita
52	Sree Lakshmi VP	D1 physics	Sree
53	Abyia Elsa Joshy	D1 physics	Abyia

2.2b- Inter-Collegiate Competitions Organised : 2

Physics Quiz and Power Point Presentation Competition

Event 1: Prof. Susan John K Memorial All Kerala Physics Quiz

Date: 26th August 2022

Venue: Mrs. Mammen Mappilla Hall, Baselius College, Kottayam

Commemoration Speech: Dr. Joy Markose, Bursar, Baselius College

Inauguration: Prof. Dr. Biju Thomas, Principal, Baselius College

Felication and Prize Distribution: Prof. Dr. Jyothimol P, Vice Principal

Quiz Master: Mr. Justin John, Assistant Professor in Physics, S B College

Abstract: The Prof. Susan John K Memorial All Kerala Physics Quiz, held at Mrs. Mammen Mappilla Hall, Baselius College, Kottayam, on 26th August 2022, was a commemorative event to honor the legacy of Prof. Susan John K. Additionally, the event also featured the Prof. V John Memorial PowerPoint Presentation on Recent Trends in Physics Competition. The inauguration was conducted by Prof. Dr. Biju Thomas, and the felicitation and prize distribution were carried out by Prof. Dr. Jyothimol P. The event brought together participants from various institutions and provided a platform for students to showcase their knowledge and passion for physics.

Event 2: Prof. V John Memorial PowerPoint Presentation on Recent Trends in Physics Competition

Date: 26th August 2022

Venue: AP Mani Hall, Baselius College, Kottayam

Commemoration Speech: Dr. Joy Markose, Bursar, Baselius College

Inauguration: Prof. Dr. Biju Thomas, Principal, Baselius College

Felication and Prize Distribution: Prof. Dr. Jyothimol P, Vice Principal

Abstract: The Prof. V John Memorial PowerPoint Presentation on Recent Trends in Physics Competition took place at AP Mani Hall, Baselius College, Kottayam, on 26th August 2022. The event aimed to commemorate the contributions of Prof. V John and provided a platform for students to present their findings on contemporary developments in the field of physics. The event was graced by Prof. Dr. Biju Thomas, who inaugurated the competition, and Prof. Dr. Jyothimol P, who felicitated and distributed prizes to the deserving participants. The event fostered intellectual exchange and celebrated the spirit of scientific exploration among the young minds.

Conclusion: The Prof. Susan John K Memorial All Kerala Physics Quiz and the Prof. V John Memorial PowerPoint Presentation on Recent Trends in Physics Competition, held at Baselius College, Kottayam, were successful events that celebrated the contributions of renowned physicists while promoting the pursuit of knowledge and scientific exploration among students. The enthusiastic participation of students and the support of the college administration and faculty contributed to the success of both events, making them memorable occasions that inspire and encourage future generations of physicists.

Acknowledgments: We extend our heartfelt appreciation to the organizing committee, Prof. Dr. Biju Thomas (Principal), Prof. Dr. Jyothimol P (Vice Principal), Dr. Joy Markose (Bursar), and Mr. Justin John (Quiz Master), for their efforts in planning and executing the events. We also thank the participants, students, and faculty for their active involvement, making the events a grand success and a fitting tribute to the legacies of Prof. Susan John K and Prof. V John.

PROGRAMME CHART

REGISTRATION : 10 am

INAUGURAL FUNCTION:10.30 am

PRAYER SONG : **Second year students**

WELCOME SPEECH : **Dr.Linju Ann Jacob** (Physics Association in charge)

PRESIDENTIAL ADDRESS: **Dr.Sindu Jones**(HOD, Physics Department)

INAUGURAL ADDRESS : **Prof.Dr.Biju Thomas**(Principal, Baselius College)

PHYSICS QUIZ :10.45 am @ **Mrs.MammenMappila Hall**

POWER POINT PRESENTATION : 10.45am @ **Dr. A. P. Mani Media Centre**

(lunch time 12pm - 12.30pm)

QUIZ FINALS :12.45 to 2.45pm

VALIDATORY FUNCTION: 3.00pm

PRAYER SONG : **Second year students**

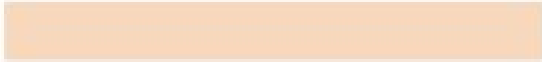
WELCOME SPEECH: **Ms.AnnaBinoy**(Joint Secretary)

COMMEMORATIVE SPEECH :**Dr.Joy Markose**(Bursar)

COMMENTS FROM QUIZ MASTER:

PRIZE DISTRIBUTION :

VOTE OF THANKS : **Ms.Anamika S Gopal** (Secretary)



Prizes

Quiz

₹3,000
₹2,000
₹1,000

PPT

₹2,000
₹1,000

Instructions

- The college can send two teams consisting of two students for both the events
- Separate registration is needed for both the events
- For seminar presentation, participants will be given seven minutes for presentation and five minutes for discussion
- Teams will have to pay Rs.1000/- as registration fee for each event and also have to confirm their identity by an institution identity card/ letter from HOD, before 10 am on the day of the competition.
- For quiz, decision of the quiz master will be final

Register @: <https://forms.gle/DePYNH4L9JSLVW6>



Department of Physics
Baselius College, Kottayam

In Association With IQAC

All Kerala Intercollegiate
Prof. Susan John K. Memorial
Physics Quiz Competition

&
Prof.V. John Memorial
Power Point Presentation Competition



Mrs. Mammen Mappila Hall
Dr. A.P Mami Media Centre

26 August 2022
Time: 10 am

Dear Sir/Madam,

Warm Greetings from the Department of Physics, Baselius College, Kottayam.

With immense pleasure we inform you about the 15th Prof Susan John K Memorial All Kerala Intercollegiate Quiz competition to be conducted at Mrs. Mammen Mappila Hall on 26th August 2022 at 10 am. The 5th Prof V. John Memorial All Kerala Intercollegiate Power Point presentation competition will also be conducted on the same day in parallel at Dr. A.P.Mami Media Centre. We believe that these competitions will become successful only with the presence and blessings of our well-wishers like you.

We invite your prompt participation by sending in at least one team comprising of two participants for each events from your esteemed Institution.

Yours truly,

Prof. Dr. Dijo Thomas (Principal, Baselius College)
Dr. Shiba James (IQAC, Physics)
Dr. Dijo Ann Jacob (Physics Association, Teacher-in-charge)
Ms. Anamika S Gupta (Association Secretary)

16/08/2022
Kottayam

Prof. Susan John K was a perfect teacher. Intellectually, educationally, enlightening, and valued her work. She was famous for her dedication and helpful for students as well as her colleagues. She had an enthusiasm for teaching and her energy sparks a genuine concern for students that generated trust and affection. She was patient, even in stress. She taught, and helped them strive for goals. She gave her very best, with her very touch she guided the creativity in students. With these attributes she was like a mother with the powerful effect of motivating students to learn. She was a special teacher that no words can truly tell that how much she was valued for the work she did as well in her short life span of 49 years till 15th Aug 2009.

Prof V. John is a man known for his simplicity. We had a good rapport with his students. His particularities was that he could not only remember their names, but also knew the places from which they came from. It was true in the case of his colleagues as well. We were a good mentor, also a counsellor. He had thirty years of services in BSCC College. After retirement also he kept a close relationship with the department. On 16th July 2019 he was called to eternal rest.

Contact details:
Dr. Dijo Ann Jacob (Association In-charge) Mob: 9447831902
Ms. Anamika S Gupta (Association Secretary) Mob: 9849195156

ALL KERALA INTERCOLLEGIATE PROF. SUSAN JOHN K.
MEMORIAL PHYSICS QUIZ COMPETITION WINNERS



1st Prize
School of Pure and Applied Physics
MG University, Kottayam



2nd Prize
Union Christian College, Aluva



3rd Prize
St. Stephen's College, Uzhavoor

Congratulations

Postgraduate Department of Physics and Research Centre
Baselius College, Kottayam

ALL KERALA INTERCOLLEGIATE PROF. V. JOHN MEMORIAL
PHYSICS POWER POINT PRESENTATION COMPETITION WINNERS



1st Prize
Government College, Nattakom



2nd Prize
International School of Photonics, CUSAT



3rd Prize
Marian College, Kuttikkanam

Congratulations

Postgraduate Department of Physics and Research Centre
Baselius College, Kottayam

LIST OF PARTICIPANTS

Timestamp	Email Address	Name of the student 1	Class of student 1	Name of the student 2	Class of the student 2	Address of the Institution	phone number	Name of the event
8/17/2022 13:41:17	choitajan@gmail.com	Sinta Biju	MSC	Anu Reji	MSC	St Stephen's College	9072554481	Quiz
8/17/2022 14:03:41	greespp2002@gmail.com	Grees p p	3 dc bsc physics	Aswin suresh	3 dc bsc physics	Cms college kottayam	9544102269	Quiz
8/21/2022 12:41:53	viewalth007@gmail.com	Viewalth N	2nd DC Physics	Anusri M S [1]	2nd DC Physics	St.Dominic's College,	9072033075	Quiz
8/17/2022 18:31:45	joshmajoseph14@gmail.com	Joshma Joseph	3 Rd DC Physics	Blinsa Asha Bobby	3rd DC Physics	Alphonsa College Pala	8590501176	Quiz
8/17/2022 19:12:45	ivanrosebini123@gmail.com	Rose Maria Jose	3 year Physics	Bibin Abraham	3rd year Physics	St. Thomas College, F	9562385295	Quiz
8/18/2022 10:01:03	rosenpradeesh@gmail.com	Rose. N. Pradeesh	3rd year Integrated M	Urita. P. Joseph	3rd year Integrated M	Marian College, Kuttik	8921813004	Quiz
8/18/2022 10:28:29	jisty.201ph105@gmail.com	Jisty Ann Jiji	3rd year Integrated M	Lyamol Sebastian	2nd year Integrated M	Marian college/autono	7902376963	Power point presentation
8/18/2022 14:19:37	abhijithhitekattil@gmail.com	Anagha A vadakkedal	3 rd Bsc physics	Goutham krishnan p	3 rd BSc physics	Union Christian college	8590438370	Power point presentation
8/19/2022 12:43:18	vadakkedalhanagha@gmail.com	Abhijith C B	3 rd BSC physics	George c Reji	3 rd BSC physics	Union christian college	9495814474	Quiz
8/20/2022 10:45:30	aswinirajan99@gmail.com	Aswini Rajan	Msc Physics 1st yr	Sarisha K G	Msc Physics First Yr	Devamatha College Ki	99465 66112	Quiz
8/21/2022 14:52:39	vidhyakrishna259@gmail.com	Widhya krishna	3 rd year,Bsc.Physics	Jincymol Joseph	3 rd year,Bsc.Physics	Government college Ki	6238217428	Power point presentation
8/22/2022 21:18:28	sunishapnair@gmail.com	Sunisha P Nair	2nd Year MSc Physics	Sunisha P Nair	2nd Year MSc Physics	St Stephen's College,	9961658918	Power point presentation
8/22/2022 22:38:56	riamesara2002@gmail.com	Rianne Sara Varghese	3rd DC Physics	Jain Mary John	2nd DC Physics	Assumption College,	8281300724	Quiz
8/23/2022 8:59:17	adithyaran71@gmail.com	Adithya Rajan	Third year UG Physics	Aparna P. R.	Third year UG Physics	Kuriakose Gregorios C	9048367248	Quiz
8/23/2022 13:15:36	nandakishormanoj06@gmail.com	Nandakishor M	2nd year, BSc physics	Aswin Manoj	2nd year,BSc physics	St Mary's College Ma	9605347568	Quiz
8/23/2022 13:55:13	kashyapsuresh2001@gmail.com	Kashyap Suresh	Bsc Physics 3rd year	Alex Varghese	Bsc Physics 3rd year	St. Aloysius College, i	8078898077	Quiz
8/23/2022 17:55:36	jesuysela2020@gmail.com	Jesvy Elsa Augustin	Bsc Physics	Bibin K Babu	Bsc Physics	Marthoma college , Iru	9562834122	Power point presentation
8/23/2022 19:29:21	nandhanan304@gmail.com	Nandhana Manoj	3rd year Bsc physics	Aisha Sall.S	3rd year Bsc physics	Bishop Chulaparambil	9947354513	Power point presentation
8/23/2022 20:15:38	rosnaprince007@gmail.com	Bibina Joseph	II Msc Physics	Rosna Prince	II Msc Physics	St.Thomas College Pa	7306316559-Rosna	Quiz
8/23/2022 20:21:39	alhiraanilkumar37@gmail.com	Anjana R	Bsc Physics	Alhira Antikumar	Bsc Physics	Marthoma college ,Tim	7736503518	Quiz
8/23/2022 20:36:26	bibinbabu1718@gmail.com	Bibin k Babu	2nd dc physics	Jesvy elsa augustine	2nd dc physics	Marthoma college,kutt	9497739807	Power point presentation
8/23/2022 20:47:36	ajanamr2002@gmail.com	Anjana R	BSc Physics	Alhira Antikumar	BSc Physics	Marthoma college, Ki	9188758978	Quiz
8/23/2022 22:35:25	ajithmohan754@gmail.com	AJITH C	MSc Physics 2nd year	MOHAMED JAHIM	MSc Physics 2nd year	School of Pure and A	9946919754	Quiz
8/24/2022 9:27:50	mitravindaskumar5372@gmail.com	Mitra Vinda S Kumar	Bsc Physics 2nd Year	Alhira Aniyachan	Bsc Physics 2nd Year	Bishop Chulaparambil	9074015293	Quiz
8/24/2022 10:01:51	akshaykrishnap07129@gmail.com	Akshay Krishna P	2nd Msc physics	Jisna Maria Jose	2nd Msc physics	St. George's college An	9074554236	Quiz
8/24/2022 11:31:36	geethuak4848@gmail.com	Geethu A	2nd year	Aswini V Nair	2nd year	STALOYSIUS COLLE	9946654226	Quiz
8/24/2022 17:18:12	nahasb123@gmail.com	Nahas T Basheer	Msc	Vishnu	Msc	St thomas, palai	9757377192	Power point presentation
8/24/2022 19:42:06	nandagopal123@gmail.com	Nandagopal G	D3 Physics	Abhijith P	D3 Physics	Basellus College, Kott	7736498525	Quiz
8/24/2022 19:52:12	jithindev2003@gmail.com	Jithin Dev R	2nd DC Physics	Thomson Varghese	2nd DC Physics	Deva Matha college Ki	9847482124	Quiz
8/24/2022 20:56:31	vinayanarayanan1939@gmail.com	JAISON THOMAS	M2 Physics	Vinaya P	M2 Physics	Basellus College, Kott	+91 80897 50766	Power point presentation
8/24/2022 21:39:02	kamalsankar@gmail.com	Kamal sankar m	3 year	Jackson mathew	3 year	Thunthicadu, Mallapp	9539995091	Power point presentation
8/25/2022 9:24:32	christeenasaj13@gmail.com	CHRISTEENA SAJAN	3rd DC Physics	Lidhya Shilu	3rd DC Physics	Kuriakose Elias colleg	8075551838	Quiz
8/25/2022 10:54:45	shanyana533@gmail.com	Shanayana sabu	BSC physics 2 nd year	Nandana Dhaneesh	BSC physics 2 nd year	Sree Narayana Arts a	7025801512	Quiz
8/25/2022 11:00:04	kevinmundackal@gmail.com	Kevin Chacko Munda	M.Sc Physics	Rijo Raju	M.Sc Physics	School of Pure and Ap	9400574494	Quiz
8/25/2022 13:09:01	mthomasyakobserji@gmail.com	M. Thomas Yakob	M. Sc Physics	NIL	NA	Catholical College Pa	8547205585	Power point presentation
8/25/2022 13:26:59	mukherjipranjal@cusat.ac.in	Pranjal Nobel Mukher	Semester 7	Mausam Kumar Singh	Semester 3 [2]	International School O	9334630540	Power point presentation
8/25/2022 13:29:16	abymnahima@gmail.com	Abey George	MSc Physics	Nil	Nil	Catholical college, P	9495323870	Power point presentation
8/25/2022 15:30:00	aravindwamier123@gmail.com	Aravind N Wamier	BSC Physics 3rd year	Aaron Joseph Chako	BSC Physics 3rd year	St Thomas College pa	9846588419	Quiz

2.4 – Extension and Outreach Programme Organised : 1

UJJAWAL BHARAT UJJAWAL BHAVISHYA POWER@202



<https://youtu.be/Axq7vo7O7ck>

Title: Skit Performance on Energy Saving by Students of the Department of Physics, Baselius College

Event: Ujjala Bharat Ujjala Bhavishaya Power@2024

Date: 29th July 2022

Venue: Mammen Mappilla Hall, Kottayam

Abstract: This report highlights the skit performance on energy saving presented by the students of the Department of Physics, Baselius College, as part of the Ujjala Bharat Ujjala Bhavishaya Power@2024 event organized by the Ministry of Power, Government of Kerala, and the District Collectorate, Kottayam. The skit aimed to create awareness about energy conservation and its importance for a sustainable future. The performance effectively conveyed the message while engaging and entertaining the audience.

Introduction: Energy conservation is a pressing concern in today's world. To promote energy-saving practices and raise awareness about the efficient utilization of resources, Ujjala Bharat Ujjala Bhavishaya Power@2024 was organized by the Ministry of Power, Government of Kerala, and the District Collectorate, Kottayam. As part of this initiative, the students of the Department of Physics at Baselius College presented a skit focusing on energy conservation and its implications on the environment and future generations.

Event Details: The skit performance took place on 29th July 2022 at Mammen Mappilla Hall in Kottayam. The event was part of a broader campaign to encourage citizens to adopt energy-saving measures and promote sustainability.

Skit Presentation: The skit, titled "Powering a Brighter Tomorrow," showcased a compelling narrative that revolved around a family struggling with excessive energy consumption and its consequences on the environment. The performance aimed to educate the audience about the importance of energy conservation and how simple lifestyle changes could lead to a more sustainable future.

Key Messages Conveyed:

Energy Awareness: The skit emphasized the significance of being aware of energy usage and its impact on the environment.

Energy-Saving Practices: Through various scenes, the skit showcased practical energy-saving practices such as using energy-efficient appliances, switching off lights when not in use, and reducing electricity consumption during peak hours.

Responsibility Towards the Environment: The performance underscored the collective responsibility of individuals and communities to conserve energy and protect the planet for future generations.

Government Initiatives: The skit also highlighted the efforts made by the government through initiatives like Ujjala Bharat Ujjala Bhavishaya Power@2024 to promote energy conservation.

Impact and Reception: The skit received a positive response from the audience at Mammen Mappilla Hall. The engaging storyline, coupled with impactful messages, left a lasting impression on the spectators. The performance successfully encouraged the audience to consider their energy consumption habits and explore ways to reduce their carbon footprint.

Conclusion: The skit performed by the students of the Department of Physics, Baselius College, during the Ujjala Bharat Ujjala Bhavishaya Power@2024 event in association with the Ministry of Power, Government of Kerala, and the District Collectorate, Kottayam, effectively conveyed the importance of energy conservation. The performance served as an insightful and entertaining medium to create awareness about sustainable energy practices among the audience. Such initiatives play a crucial role in fostering a sense of responsibility towards the environment and contribute to a greener and more sustainable future.

Acknowledgments: We extend our gratitude to the Ministry of Power, Government of Kerala, and the District Collectorate, Kottayam, for organizing the Ujjala Bharat Ujjala Bhavishaya Power@2024 event. We also thank the students of the Department of Physics, Baselius College, for their excellent skit performance, and the audience for their enthusiastic participation and support in promoting energy conservation and sustainability.



2.5- Skill Development Courses Organised: 1

Title: Igniting Minds - A Skill Development Program by Dr. Shiny Antony Rauf

Date: 24th June 2022

Venue: Baselius College, Kottayam



Abstract: "Igniting Minds" is a skill development program organized by Dr. Shiny Antony Rauf, held on 24th June 2022 at Baselius College, Kottayam. The program aimed to inspire and empower participants to explore their potential, develop essential skills, and enhance their overall personal and professional growth. This report highlights the objectives, structure, and impact of the Igniting Minds program.

Introduction: The Igniting Minds program was conceived with the vision to foster a culture of continuous learning and self-development among participants. Dr. Shiny Antony Rauf, an esteemed educator and motivational speaker, led the initiative to guide students and young professionals towards achieving their goals.

2. Objectives:

To empower participants with valuable life skills essential for personal growth and success.

To cultivate a positive mindset and build self-confidence.

To provide a platform for networking and collaboration among like-minded individuals.

To offer insights and perspectives on career planning and goal setting.

3. Structure of the Program: The Igniting Minds program featured a well-organized schedule that included the following components:

a. **Inauguration:** The program commenced with an inaugural ceremony, where Dr. Shiny Antony Rauf delivered a motivating speech setting the tone for the day.

b. **Keynote Address:** A keynote session by Dr. Shiny Antony Rauf, sharing her experiences and wisdom, inspiring participants to embark on their journey of skill development.

c. **Skill Development Workshops:** Expert-led workshops were conducted on various topics such as communication skills, leadership development, time management, and stress reduction.

d. **Interactive Sessions:** Participants engaged in interactive discussions and activities, encouraging them to express their thoughts and ideas openly.

e. **Career Guidance:** Dr. Shiny Antony Rauf provided valuable insights into career planning and opportunities in various fields, motivating participants to pursue their passion.

f. **Panel Discussion:** A panel discussion comprising successful professionals from different domains provided practical advice and answered questions from the audience.

g. **Networking Opportunities:** Participants had the chance to interact and connect with peers, mentors, and potential collaborators during breaks and networking sessions.

4. Impact: The Igniting Minds program left a profound impact on the participants:

a. **Enhanced Skillset:** Attendees gained valuable life skills that are crucial for personal and professional development.

b. **Boosted Confidence:** The program instilled self-confidence and a positive mindset, enabling participants to face challenges with resilience.

c. **Clearer Goals:** Participants gained clarity in their career aspirations and learned effective goal-setting strategies.

d. **Inspiration:** Dr. Shiny Antony Rauf's motivational sessions inspired attendees to explore their potential and pursue their dreams.

5. Conclusion: "Igniting Minds" was a successful skill development program that left a lasting impression on the participants at Baselius College, Kottayam. Dr. Shiny Antony Rauf's expertise and passion for empowering individuals played a pivotal role in making the event a great success. The program's impact on the attendees' personal and professional lives is a testament to the importance of such initiatives in promoting holistic growth among the youth.

6. Acknowledgments: We express our gratitude to Dr. Shiny Antony Rauf, the organizing committee, Baselius College, and all the participants who contributed to the success of the Igniting

Minds program. Their enthusiasm and commitment to learning made the event a truly enriching experience for everyone involved



Attendance sheet

Name of the Programme: Ignition minds - Skill development Programme
 Resource Person : Dr Shiny Antony Rauf
 (Cosmetic Dentist & fitness Trainer)
 Time: 2:30pm
 Date: 24/06/22
 Total no. of students: 37

Name of the students	Class	Signature of the students
1. Zaphin Mariam Mathew	D3 Physics	Zaphin Mathew
2. HARIPREYA . P . NAIR	D3 Physics	Hari Preya
3. Heera H	D3 Physics	Heera H
4. Kaishnendu . B . Nair	D3 Physics	Kaishnendu
5. Sunod V Zachariah	D3 Physics	Sunod V Zachariah
6. Saranwathi Devi K K	D3 Physics	Saranwathi
7. Serin . T . Thomas	D3 "	Serin T Thomas
8. S. Akhil Raj	D3 "	Akhil Raj
9. Vaisakh viswanathan	D3 "	Vaisakh
10. Abhijith VJ	D3 "	Abhijith VJ
11. Nandagopal . G	D3 "	Nandagopal
12. Rashid Muhammad	D2 "	Rashid
13. KIRAN RAJ	D2 "	Kiran
14. Dhijo Philip	D3 physics	Dhijo Philip
15. Jirumon Chacko	D2 Physics	Jirumon
16. Abhijith P.B	D2 Physics	Abhijith P.B
17. Heaven C. Jacob	D2 "	Heaven C. Jacob
18. ELIAS ABRAHAM	D2 physics	Elias
19. Uthara . J	M1 physics	Uthara
20. Dasij kuttappan	" "	Dasij
21. Ashi K.M	M1 Physics	Ashi
22. Anandu Vjayan	M1 physics	Anandu
23. Jason Thevaraj	M1 physics	Jason
24. Anagha Meen An	M1 physics	Anagha
25. Vinaya . P	M1 physics	Vinaya
26. CHRISTA BISH	M1 Physics	Christa

Name of the student	Class	Signature of the student
27. Drake .	M1 PHYSICS	Drake
28. Kaishnendu . R	"	Kaishnendu
29. Devaja . V	D2 Physics	Devaja V
30. Gauri G. Mohan	D2 Physics	Gauri
31. Seelakshmi . M . P	D2 Physics	Seelakshmi
32. Hilda Suzanne Punnen	D3 Physics	Hilda
33. Levalthy S	D3 Physics	Levalthy
34. Geetha Chandrasekhar	D2 physics	Geetha
35. Abhijith . P	D3 Physics	Abhijith
36. Alex Paul	D3 Physics	Alex Paul
37. Anna Binay	D3 Physics	Anna Binay

2.7 Student Participation and Achievement – Outside College

Sl. no	Name of the student	Class	Email	Progranne organised by with title of the programme	Date of Programme	Nature of achievement	Whether certificate attached
1	Ms Atheena Jain	M2 physics		Attended the introductory summer school in Astronomy and Astrophysics ORGANISED BY IUCAA	during may26-june17 2022	participation	yes
2	Ms. Princy Mariam Jacob	D3 physics		speed inline skating , above 17 senior women held at Raipur,Chhattisgarh	from 17-19th june 2022	National competition* 2nd ranking roller skating championship 2022	yes
	1.Arshadhara M U 2. Anna Binoy 3. Revathy S 4. Zaphin Mariam Mathew 5.Alex Paul 6.Nandagopal G 7.Akash Krishnan 8.Vaisakh Viswambharan 9. ANAMIKA S GOPAL 10. Haripriya P Nair 11. Princy Mariam Jacob 12. Sumod V Zachariah 13. Saraswathi Devi K K 14. Abhijith P 15. Asnamol Shine	D3 physics		Performed Street play - UJJALA BHARATAM UJJALA BHAVI (Azadi Ka Amrit Maholsav) Held at Mamman Mappila Hall	on 28/07/2022	participation	yes
4	Akhil K M Amrutha Mol Anagha Merin Das	M1 physics		Prof. V C Kuriakose Memorial Worshop		participated	yes

	Anandu Vijayan Anjali K Christa Biju Jaison Thomas Krishnendu R Neha Varghese C Rintamol Varghese Vinaya P			Series- Workshop On Astrophysics And Cosmology Held At Aquinas College, Eda Kochi			
5	Participant: Arshadhara M U (D3 physics)	D3 physics		Hindi Essay writing competition Venue : Hindi Department,NSS Hindu College, Perunna Changanacherry Subject : Viswabhasha Hindi	Sep 27, 2022	Participated	yes
6	AKHIL K M, M2 Physics	M2 physics		POWER QUIZ,organised by KSEB OFFICERS ASSOCIATION	20 th October 2022	SECOND PLACE	yes
7	Karthika B Nair	d3 Physics		Attended camp held at Alok international School conducted by 10MP Bn NCC Ujjain , MP performed Group dance	From 21 nov to 30 nov 2022 and	participation	yes
8	HARIPRPRIYA P NAIR SUMOD V ZACHARIAH	d3 Physics		SCREENING TEST OF APT TSE 2022-23		QUALIFIED	List attached
9	ANAGHA R	D2 Physics		QUALIFIED SCREENING TEST OF APT TSE 2022- 23		QUALIFIED	List attached
10	Elias Abraham	D2 Physics		UNIVERSITY YOUTH FESTIVAL – WIND INSTRUMENT WESTERN GROUP SONG		participation	

2.8- Any Other activity/point worth mentioning

Sl No	Title of the Programme	Name of the Resource Person	No. of participants	Links available if any
1.	National Energy Conservation Day Observance	<i>In association with KBEB Kottayam</i>	96	
2.	INDUSTRIAL VISIT	Rajiv Gandhi Combined Cycle Power Plant, Kayamkulam	25+2	
3.	Hyderabad Tour Organized by Department of Physics, Baselius College, Kottayam	FROM 01/02/2023 TO 06/02/2023	26	
4	Online magazine	Transcend by M.Sc Physics	15	https://online.fliphtml5.com/pxymd/dbfl/

2.8.1

National Energy Conservation Day Observance

-In association with KBEB Kottayam



KSEB
Kerala State Electricity Board Limited

കേരള സ്റ്റേറ്റ് ഇലക്ട്രിസിറ്റി ബോർഡ് ലിമിറ്റഡ്

ബഹുമാനപ്പെട്ട ഭരണീയ ഉദ്യോഗസ്ഥ സംരക്ഷണയജ്ഞത്തിന്റെ ഭാഗമായി കേരള സ്റ്റേറ്റ് ഇലക്ട്രിസിറ്റി ബോർഡ് ലിമിറ്റഡ് കഴിഞ്ഞ ഒരു വർഷമായി ഉപഭോക്താക്കൾക്കിടയിൽ ഊർജ്ജസംരക്ഷണത്തിന്റെ പ്രാധാന്യത്തെക്കുറിച്ചും ആവശ്യകതയെയും പറ്റി ബോധവൽക്കരണ ക്ലാസ്സുകളും സെമിനാറുകളും സംഘടിപ്പിച്ചുവരുന്നു.

ഭരണീയ ഉദ്യോഗസ്ഥ സംരക്ഷണ ദിനമായ ഡിസംബർ 14ന് മില്ലയിൽ കെ.എസ്.ഇ.ബി യും കോട്ടയം ബസേലിയസ് കോളേജും സംയുക്തമായി സംഘടിപ്പിക്കുന്ന ബോധവൽക്കരണ ദിനാഘോഷം ബഹു. കോട്ടയം എം.എൽ.എ. ശ്രീ.തിരുവഞ്ചൂർ രാധാകൃഷ്ണൻ ഊർജ്ജസംരക്ഷണം മുൻനിശ്ചയിച്ചു ചെയർപേഴ്സൺ ശ്രീമതി. ബിൻസി സെബാസ്റ്റ്യൻ മുഖ്യ പ്രഭാഷണം നടത്തുന്നതും, "ഊർജ്ജം കരുതിവെയ്ക്കാം നാളെക്ക് 2022" എന്ന പദ്ധതിയിൽ വിജയികളായ ഗാർഹിക വ്യാവസായിക ഉപഭോക്താക്കൾക്ക് അവാർഡുകൾ നൽകുന്നതുമാണ്.

2022 ഡിസംബർ 14ന് ഉച്ചക്ക് 2 മണിക്ക് ബസേലിയസ് കോളേജ്

ബാധ്യതയുള്ളവർക്ക് നേടുന്ന പരിപാടിയെക്കുറിച്ച് പങ്കാളികളോടുകൂടി സഹായകരമായ സന്ദേശങ്ങൾ ക്ഷണിച്ചുകൊള്ളുന്നു.

സഹോദരങ്ങളോടൊന്നിച്ച്
മി. വി. സി.
യെച്ചുറ്റി ചീഫ് എൻ്റണിംഗ് ഓഫീസർ

കോട്ടയം
12.12.2022

കാര്യപരിപാടികൾ

ഊർജ്ജ സംരക്ഷണ ക്ലാസ്സ് (2 p.m - 2.45p.m)	ശ്രീ അനൂപ് രാജ് വി. പി. (അസി. എൻ്റണിംഗ് കോട്ടയം)
ഊദ്യോഗിക പ്രാർത്ഥന (3 p.m - 3.05p.m)	ഡോ. സിന്ധു ജോൺസ് (പി.സി.ടി. ഓഫീസ്, ബസേലിയസ് കോളേജ് കോട്ടയം)
അദ്ധ്യക്ഷ (3.05p.m - 3.10p.m)	ശ്രീമതി മി. വി. സി. (യെച്ചുറ്റി ചീഫ് എൻ്റണിംഗ് ഓഫീസ്, കോട്ടയം)
ഉദ്ഘാടനം (3.10p.m - 3.15p.m)	ശ്രീ തിരുവഞ്ചൂർ രാധാകൃഷ്ണൻ (ബഹു. എം.എൽ.എ., കോട്ടയം)
മുഖ്യ പ്രഭാഷണം (3.15p.m - 3.20p.m)	ശ്രീമതി ബിൻസി സെബാസ്റ്റ്യൻ (ബഹു. ചെയർപേഴ്സൺ, കോട്ടയം മുനിസിപ്പാലിറ്റി)
അവാർഡ് ദാനം (3.20p.m - 3.30p.m)	
ആശംസകൾ (3.30p.m - 3.50p.m)	ശ്രീമതി ഷാമിള. H (യെച്ചുറ്റി ഇലക്ട്രിക്കൽ ഇൻസ്പെക്ടർ, ഇൻസ്പെക്ടർ കോട്ടയം)
	ഡോ. ബിജു തോമസ് (പ്രിൻസിപ്പൽ, ബസേലിയസ് കോളേജ് കോട്ടയം)
	ശ്രീ ബിജു ജോൺ (യെച്ചുറ്റി ചീഫ് എൻ്റണിംഗ് ഓഫീസ്, കെ.എസ്.ഇ.ബി. പാലം)
	ശ്രീ ചന്ദ്രൻ. M (യെച്ചുറ്റി ചീഫ് എൻ്റണിംഗ് ഓഫീസ്, കെ.എസ്.ഇ.ബി. പാലം)
ക്രമലേഖനം (3.50p.m - 3.55p.m)	ശ്രീ വിനോദ് പ്രഭാകർ (യെച്ചുറ്റി ചീഫ് എൻ്റണിംഗ് ഓഫീസ്, കെ.എസ്.ഇ.ബി. പാലം)
	ശ്രീമതി ബി. വി. ജോൺ (എക്സിക്യൂട്ടീവ് എൻ്റണിംഗ് ഓഫീസ്, കെ.എസ്.ഇ.ബി. പാലം)

ദേശീയ ഗാനം



Title: National Energy Conservation Day Observance by Department of Physics, Baselius College, Kottayam, in Association with Kerala State Electricity Board

Date: 14th December 2022

Venue: AP Mani Hall, Baselius College, Kottayam

Abstract: The Department of Physics at Baselius College, Kottayam, celebrated National Energy Conservation Day in association with the Kerala State Electricity Board (KSEB) on 14th December 2022. The observance aimed to create awareness about the importance of energy conservation and sustainable practices. The event featured an awareness class and a seminar on energy conservation, conducted by Anoop Raj V P, Assistant Engineer at KSEB, Kottayam. The program served as a platform to educate the college community on the significance of responsible energy usage for a greener and more sustainable future.

Introduction: National Energy Conservation Day is observed annually in India on 14th December to raise awareness about the importance of energy conservation and encourage sustainable energy practices. The Department of Physics at Baselius College, in collaboration with KSEB, organized a special event to commemorate the day and promote energy conservation among the college community.

Event Details:

- **Date:** 14th December 2022
- **Venue:** AP Mani Hall, Baselius College, Kottayam

Program Agenda:

- **Welcome Address:** The event commenced with a warm welcome address, setting the tone for the observance of National Energy Conservation Day.
- **Inauguration:** The ceremony was officially inaugurated by Hon. MLA Sri. Thiruvanchoor Radhakrishnan, acknowledging the significance of the occasion and the partnership with KSEB.
- **Awareness Class on Energy Conservation:** Anoop Raj, Assistant Engineer at KSEB, conducted an informative awareness class on energy conservation. The session covered various energy-saving techniques, the impact of responsible energy usage on the environment, and the role of individuals in conserving energy resources.
- **Seminar on Energy Conservation:** Following the awareness class, Anoop Raj delivered a detailed seminar on energy conservation, highlighting the importance of adopting energy-efficient technologies and practices at both individual and community levels.

- **Interactive Session:** An interactive Q&A session allowed participants to engage with the speaker and seek clarifications on energy conservation topics.
- **Conclusion:** The event concluded with a recapitulation of the key points discussed during the awareness class and seminar, emphasizing the need for collective efforts towards energy conservation.

Impact and Benefits: The observance of National Energy Conservation Day by the Department of Physics at Baselius College, in collaboration with KSEB, yielded several positive outcomes:

- **Increased Awareness:** The event created awareness among the college community about the importance of energy conservation and its role in sustainability.
- **Knowledge Enrichment:** Participants gained valuable insights into energy-saving techniques and the significance of adopting responsible energy practices.
- **Encouraged Action:** The awareness class and seminar motivated students and faculty to actively contribute to energy conservation efforts.
- **Community Engagement:** The event fostered collaboration between academia and KSEB, encouraging a shared commitment to promoting energy conservation.

Conclusion: The observance of National Energy Conservation Day by the Department of Physics, Baselius College, in association with KSEB, Kottayam, was a resounding success. The event provided a platform to educate the college community about energy conservation and its impact on the environment. Through the awareness class and seminar, participants were inspired to take proactive steps towards responsible energy usage, contributing to a sustainable and energy-efficient future.

Acknowledgments: We express our sincere appreciation to the Department of Physics, Baselius College, and the Kerala State Electricity Board for their collaboration and support in organizing this event. Special thanks to Anoop Raj, Assistant Engineer at KSEB, for conducting the awareness class and seminar, enriching the college community with valuable knowledge on energy conservation. Lastly, we extend our gratitude to all the participants, students, and faculty members who actively participated in the observance of National Energy Conservation Day, making it a memorable and impactful event.

2.8.2 INDUSTRIAL VISIT

Rajiv Gandhi Combined Cycle Power Plant, Kayamkulam

On 26th November 2022, the Department of Physics, Baselius College, Kottayam organized an industrial visit for the final year B.Sc Physics students. The visit was in accordance with the syllabus and aimed to provide a practical understanding of the concepts learned in class. The industrial visit was to the Rajiv Gandhi Combined Cycle Power Plant in Kayamkulam. Dr. Sindu Jones, the Head of Department, and Dr. Linju Ann Jacob, the class teacher, accompanied the 26 students on the visit.

Overview of the Power Plant:

Rajiv Gandhi Combined Cycle Power Plant is a gas-based thermal power station that operates on naphtha. In addition to this, a floating solar power plant has recently been added to the site. The power plant is managed by the National Thermal Power Corporation Limited. The Kayamkulam plant was commissioned in 1998 and started operating in 1999, with the aim of contributing to the power sector of India.

Industrial Visit Details: We started the industrial visit at 10 AM with an introductory session on the power plant. Our group of 26 students and two coordinators were provided with an instructor, who took us through the thermal power station and the solar power plant. The instructor explained the various processes involved in power generation in detail, and we were able to witness these processes first-hand. The visit concluded at around 6 PM. Thermal Power Station: The Kayamkulam Thermal Power Plant is the most distinguished of the three power stations in Kerala, which are situated in Brahmapuram, Kozhikode, and Kayamkulam. The fuel source for the power generation is imported and indigenous naphtha, while the water for cooling is taken from the Achankovil Thermal Power Station: River. The total approved capacity of the Kayamkulam Thermal Power Plant is 350 MW, while the installed capacity of the plant is 350 MW, with a gross installed capacity of 359.577 MW.

There are three units in operation:

- Unit 1 with an installed capacity of 115 MW utilizing a gas turbine
 - Unit 2 with an installed capacity of 115 MW utilizing a gas turbine
 - Unit 3 with an installed capacity of 120 MW utilizing a steam turbine
- We learned that the plant has a 400 kV substation that connects to the southern grid. The Kayamkulam Thermal Power Plant provides power to the southern states of India, including Tamil Nadu, Kerala, Karnataka, and Andhra Pradesh. The plant has a coal-handling plant for backup power generation, and it also has an ash disposal system.

Floating Solar Power Plant:

The floating solar power plant is a recent addition to the Rajiv Gandhi Combined Cycle Power Plant. The solar panels are made to float on a 350-acre lake area near the thermal power station. The solar power plant is currently used for power generation and is installed in association with the PM Kusum Yojana. The floating solar power plant consists of three lakh solar PV panels, which are made in India and float on the water. Its capacity is 101.6 MW. The amount of sunlight received in a day is obtained by a graph, which shows the result of solar energy obtained by the system. The highest peak of the graph shows the time in which it received the most sunlight, while the lowest peak shows the time in which it received the least sunlight. Special operating systems are installed for observation, and it

also records the weather conditions such as humidity, wind, rainfall, etc. The annual energy yield of the floating solar power plant is said to be around 1.7 lakh MW. The Kerala State Electricity Board (KSEB) has entered into a power purchase agreement with Tata Power Solar to consume all the power produced by this project. This agreement will ensure a steady supply of clean energy to the state of Kerala, reducing its dependence on fossil fuels and contributing to the country's overall goal of achieving a greener future. The installation of this floating solar power project is a significant step towards achieving India's target of 100 GW of solar energy by 2022, as well as its commitment to reducing carbon emissions and mitigating the impacts of climate change. Additionally, this project serves as a demonstration of the potential of floating solar power to utilize underutilized water bodies for renewable energy generation, paving the way for further innovations in this field



Photo 1: In front of Thermal Power Plant



Photo 3: Control Room



Photo 2: Inside of Thermal Power Plant



Photo 4: Solar Floating Power Plant

DEPARTMENT OF PHYSICS, BASELIUS COLLEGE, KOTTAYAM.

List of Students Going For Industrial Visit on 26/11/2022

Total no. of students : 25

Total no. of boys : 13

Total no. of girls : 12

Sl. No	Name of the student	Age	Gender	Contact No. (Student)	Contact No. (Parent)
1.	Abhijith V.J.	19	M	8547934205	9495569595
2.	Anamika S. Gopal	20	F	8089195156	6282636535
3.	Athulkumar A.	21	M	7034357014	9605694911
4.	Bhagath S. Nair	20	M	8075720206	9744112761
5.	Heera H.	20	F	9778214734	9447645379
6.	Nandagopal G.	20	M	7736498525	9526621633
7.	Revathy S.	20	F	7510392804	9847433500
8.	S. Akhil Raj	20	M	7356714549	9995878810
9.	Akash Krishnan	20	M	8943747513	9747700279
10.	Arshadhara M.U.	20	F	9539906803	9946395783
11.	Asnamol Shine	20	F	8129256416	8075323159
12.	Haripriya P. Nair	21	F	9778263280	9400086114
13.	Krishnendu B. Nair	20	F	9496156827	9645316827
14.	Philjo Philip	20	M	7356058443	8301031765
15.	Princy Mariam Jacob	20	F	9747497707	7025616161
16.	Serin T. Thomas	20	M	6238186119	9447979485
17.	Abhijith P.	19	M	8330800674	9495720762
18.	Alan R. Habel	22	M	7902575263	7306422051
19.	Saraswathi Devi K.K.	20	F	6238249459	9400145808
20.	Alex Paul	20	M	8301087235	8075897457
21.	Anna Binoy	20	F	8606657931	9656033413
22.	Hilda Suzanne Punnen	20	F	9633147511	9447015593
23.	Sumod V. Zachariah	20	M	9747830763	9947605286
24.	Vaisakh Viswambharan	20	M	9947877870	9562611968
25.	Zaphin Mariam Mathew	20	F	9745740109	9961014071

Staff Accompanying :

- Dr. Sindu Jones : 9446819214
- Dr. Linju Ann Jacob : 9447851061

Principal

2.8.3 Title: Hyderabad Tour Organized by Department of Physics, Baselius College, Kottayam

FROM 01/02/2023 TO 06/02/2023

Introduction: The Department of Physics at Baselius College, Kottayam, organized a five-day tour to Hyderabad for its students. The tour was arranged in collaboration with SabariTrain, a reputed travel agency, and provided the students with an enriching and memorable experience exploring the cultural and historical treasures of Hyderabad. The students stayed at the International Youth Hostel in Secunderabad and visited several iconic landmarks, including Ramoji Film City, NTR Gardens, Charminar, Golconda Fort, and Birla Mandir.

Tour Details:

- **Organizer:** Department of Physics, Baselius College, Kottayam
- **Travel Agency:** Sabari Train
- **Duration:** 5 Days
- **Accommodation:** International Youth Hostel, Secunderabad
- **Number of Participants:** [26]
- **Faculty Coordinator:** [DR. SINDU JONES & DR. LINJU ANN JACOB]

Day 1: Arrival and Orientation

- Arrival in Hyderabad
- Check-in at International Youth Hostel, Secunderabad
- Visited NTR Gardens, a beautiful urban park named after former Chief Minister N.T. Rama Rao
- Hussain Sagar
- Lumbini park
- Free time for relaxation and team bonding

Day 2: Ramoji Film City

- Breakfast at the hostel
- Full-day excursion to Ramoji Film City
- Students explored the largest film studio complex in the world
- Visited film sets, experienced live shows, and enjoyed various attractions
- Return to the hostel in the evening

Day 3: City Tour

- Breakfast at the hostel
- Visited Birla Mandir, a magnificent Hindu temple made of white marble
- Visited Golconda Fort, a historical fortress with breathtaking architecture and panoramic views
- Return to the hostel in the evening

Day 4: Birla Mandir and Leisure

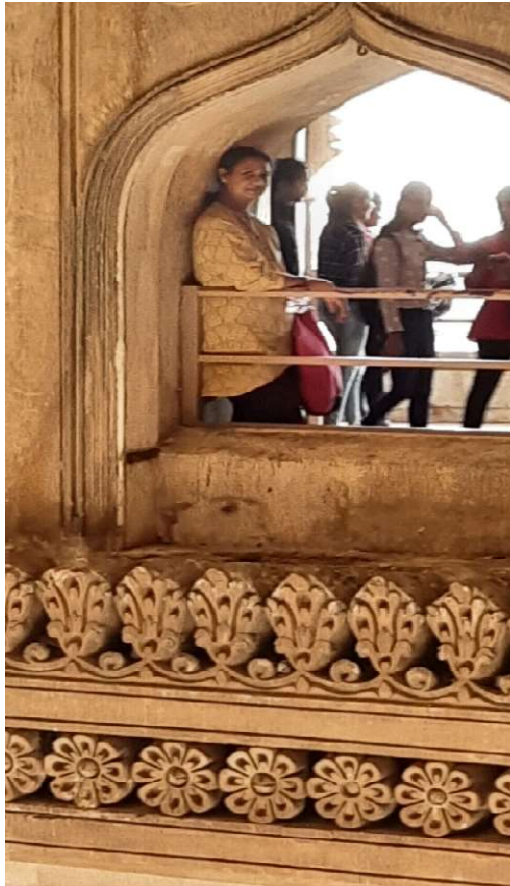
- Breakfast at the hostel
- chowmahalla palace Explored Charminar, an iconic monument and symbol of Hyderabad's heritage
- Explored Charminar, an iconic monument and symbol of Hyderabad's heritage
- Spent leisure time in the afternoon for shopping and exploring local markets
- Snow World
- Farewell dinner and cultural program at a local restaurant

Day 5: Departure

- Breakfast at the hostel
- Check-out from the hostel
- Departure from Hyderabad and return to Kottayam

Acknowledgments: We express our heartfelt gratitude to the Department of Physics, Baselius College, Kottayam, and the faculty coordinator, for organizing this educational and enjoyable tour. Special thanks to IRCTC for their excellent arrangements and services, ensuring a smooth and memorable experience for the students. We also thank the International Youth Hostel, Secunderabad, for their comfortable accommodation and hospitality. Lastly, we extend our appreciation to all the students who actively participated in the tour and made it a resounding success.





DEPARTMENT OF PHYSICS, BASELIUS COLLEGE, KOTTAYAM

List of Students Going For tour on 01/02/2023

Total no. of students : 26

Total no. of boys : 13

Total no. of girls : 13

Sl. No	Name of the student	Age	Gender
1.	Abhinav V.J.	19	M
2.	Anamika S. Gopal	20	F
3.	Athulkumar A.	21	M
4.	Bhargav S. Nair	20	M
5.	Heera H.	20	F
6.	Nandagopal G.	20	M
7.	Revathy S.	20	F
8.	S. Akhil Raj	20	M
9.	Akash Krishnan	20	M
10.	Anshadhara M.U.	20	F
11.	Ashamol Shine	20	F
12.	Hanprya P. Nair	21	F
13.	Krishnanudu B. Nair	20	F
14.	Philip Philip	20	M
15.	Princy Mariam Jacob	20	F
16.	Serin T. Thomas	20	M
17.	Abhijith P.	19	M
18.	Alan K. Habel	22	M
19.	Saraswathi Devi K.K.	20	F
20.	Alex Paul	20	M
21.	Anna Bindy	20	F
22.	Hilda Suzanne Punnen	20	F
23.	Sumod V. Zachariah	20	M
24.	Vaiseekh Viswambharan	20	M
25.	Zaphin Mariam Mathew	20	F
26.	Karthika B Nair	21	F

Staff Accompanying :

1. Dr. Sindu Jones : 9446819214
2. Dr. Linju Ann Jacob : 9447851061

H.O.D

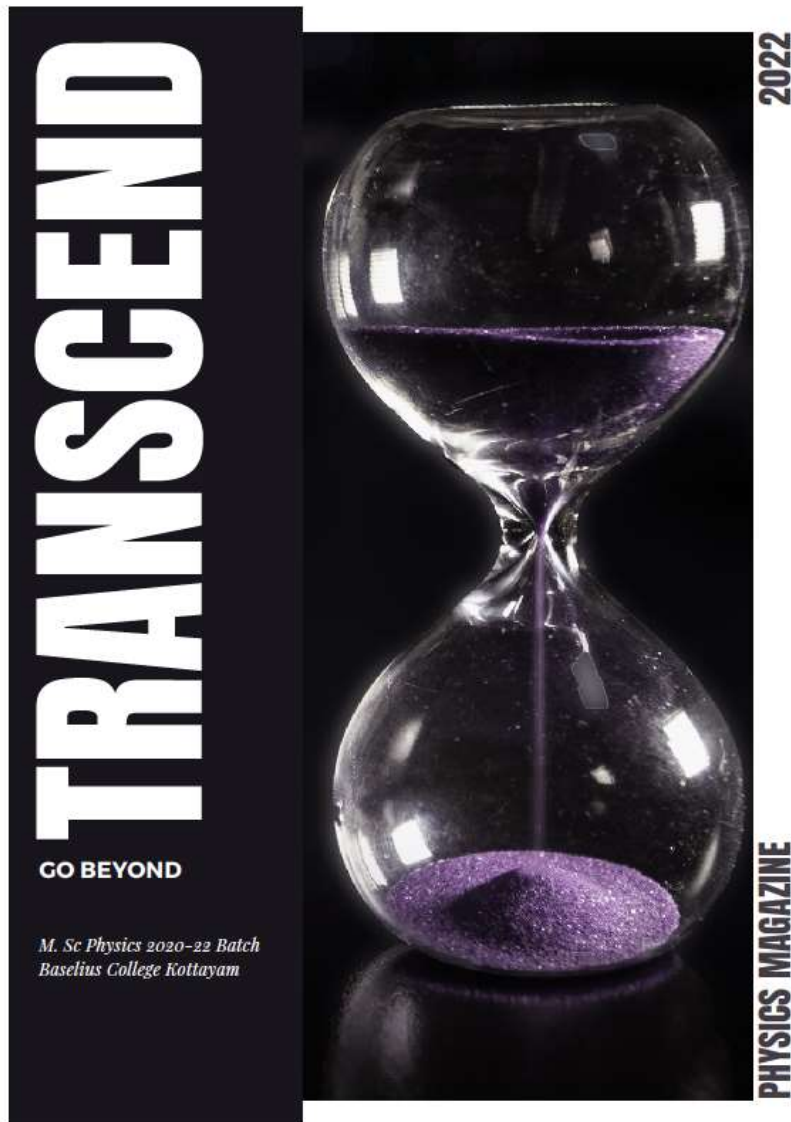
Baselius College, Kottayam



H.O.D. DEPT. OF PHYSICS,
BASELIUS COLLEGE, KOTTAYAM

Principle
Baselius College
Kottayam

2.8.4 online magazine by P G students



Dr. Linju Ann Jacob
Teacher in charge

Dr. Sindu Jones
HEAD OF THE DEPARTMENT