

PRAGATHI- PROGRESS



PHYSICS ASSOCIATION REPORT *2021-2022*

It gives me immense pleasure to present the report on the activities of Physics Association PRAGATHI for the Academic year 2021-22.

Akhila G Nair

Secretary

Physics Association 2020-21

PRAGATHI

PRAGATHI means progress. The aim of the Physics association ‘PRAGATHI’ is to edify the students to be sensible and to cultivate wisdom by experiencing the current societal developments. Bookish knowledge may be enough for academic excellence, but it falls far short for being a good citizen. To develop civic values, one needs to interact with society. Apart from imparting subject knowledge, the association aims to inculcate civic sense, compassion and empathy towards the unfortunate.

We are proud of the success of our association, given the limited time and resources at our disposal owing to the abnormal circumstances forced upon us by the pandemic.”PRAGATHI”played an important role in the intellectual and social development of students. We are grateful to all the faculty members and students of the Physics association for their whole-hearted cooperation in making “PRAGATHI” a memorable success.

The annual report of the Physics association, PRAGATHI for the year 2021-22 is submitted herewith.

OFFICE BEARERS

The first association meeting was held on 3rd June 2021. Students and faculty were invited to join at 2.30pm. The meeting started with an introduction speech by Head of the Department Assistant Professor Dr. Smitha Joseph. Faculty and novice members shared their opinions and views on various programs. New strategies regarding association activities were also discussed. Dr. Smitha Joseph(HOD Dept. of Physics) and Dr. Elizabeth V John congratulated newly elected office bearers.

The List of office bearers is as follows:

1. Association President : Anna Treesa Saji (D3)
2. Vice President : Jithu.K.Mathew (D3)
3. Secretary : Akhila.G.Nair (D3),
: Nandhana Manoj (D2)
4. 3rd DC representative : Susan.T.Chacko (D3)
5. 2nd DC representative : Varsha.P.Nair (D2)
6. 1st DC representative : Megha H Karat (D1)
7. Treasurer : Mariya Susan Lal (D3)
: Ansu Sabu (D2)
8. Magazine : Nandana Vijay(D3)
: Divyamol S (D2)
9. Arts club : Keerthana (D3)
: Varsha P Nair (D2)
10. Sports club : Surya Raveendran (D3)
: Lakshmi.P.S (D2)

11. Quiz club : Akshaya Jeenraj (D3)
: Aswini Santhosh (D2)
12. Speech club : Sreelakshmi.V.H (D3)
: Arjuna Reji (D2)
13. Placement cell : Fathima Sulthana (D3)
: Megha Anil(D3)
14. Grievance cell : Kavya K S (D3)
: Ananya Raju (D2)
15. Presentation club : Anagha K Reji (D3)
: Anila T Sunny, Aswani Santhosh (D2)



INDEX

| | |
|--|-----------|
| ACADEMIC PERFORMANCE | 19 |
| SEMINARS/WORKSHOPS CONDUCTED | 20 |
| Vykhari – 2k21 | 20 |
| Workshop On LED Manufacturing | 25 |
| DAYS OBSERVED | 28 |
| National Doctors Day - July 1 | 28 |
| Teachers Day – Sept 5 | 29 |
| Christmas Celebration – Dec 23 | 30 |
| GREEN INITIATIVES | 33 |
| Environment Day - June 5 | 33 |
| World Ocean Day - June 8 | 35 |
| Earth Day - April 22 | 38 |
| CAPACITY BUILDING AND SKILL DEVELOPMENT PROGRAMMES | 40 |
| Soft Skill Programmes | 40 |
| Reading Day Celebration – June 19 | 40 |
| Music Day Celebration- June 21 | 42 |
| Freshers Day and Association Inauguration | 43 |
| Life Skill Programmes | 45 |
| International Yoga Day | 45 |
| ICT Related Programmes | 47 |
| Talk On C++ Programming | 47 |
| GUIDANCE FOR COMPETITIVE EXAMINATIONS | 49 |
| IIT-JAM (Physics) Coaching 2021-2022 | 49 |
| CAREER GUIDANCE PROGRAMMES | 51 |
| Talk On Career Guidance & Higher Studies Opportunities | 51 |
| ENTREPRENEURSHIP, RESEARCH METHODOLOGY AND IPR SEMINARS | 53 |

| | |
|--|-----------|
| Entrepreneurship In LED Lighting And Business – 2021 | 53 |
| Research Methodology and IPR | 55 |
| SUBJECT ENRICHMENT PROGRAMMES | 57 |
| World Asteroid Day - June 30 | 57 |
| World Space Week Observance 2021 | 58 |
| MANUSCRIPT MAGAZINE | 63 |
| ALUMNI ACTIVITIES | 64 |
| Alumni Contribution | 64 |
| Alumni Meet – October 2021 | 65 |
| STUDENT ACHIEVEMENTS | 67 |
| District Karate Tournament | 67 |
| Power Quiz | 68 |
| CERTIFICATE COURSES CONDUCTED BY THE DEPARTMENT | 69 |
| Entrepreneurship In LED Lighting Business | 69 |
| Introduction To Computation Using Python | 71 |
| PARTICIPATION IN INTERCOLLEGIATE/INTERDEPARTMENTAL COMPETITIONS | 74 |
| INTERCOLLEGIATE COMPETITIONS CONDUCTED | 76 |
| Slogan Writing Competition | 76 |
| Inter-departmental Recitation Competition | 79 |
| Intercollegiate Jalatarang & Bottle Art Competitions | 80 |
| Interdepartmental Painting Competition | 83 |
| INTERDEPARTMENTAL COMPETITIONS/ ACTIVITIES PARTICIPATED | 84 |
| Naadanpaattu Competition | 84 |
| Participation In Thaimozhi Cultural Event | 85 |
| SPORTS ACTIVITIES | 86 |
| College Team | 86 |
| ARTS FEST PARTICIPATION | 87 |
| PARTICIPATION IN NCC & NSS | 88 |
| NSS Participants | 88 |
| NCC Participants | 89 |

| | |
|---|------------|
| FREESHIPS/SCHOLARSHIPS | 91 |
| Lisa Korah Endowment | 91 |
| Students Receiving Scholarships | 94 |
| EXTENSION ACTIVITIES | 96 |
| Old Age Home Visit“Shanti Bhavan” | 96 |
| Webinar On Nuclear Weapons And Its Impact | 97 |
| Webinar on Faraday’s Day | 102 |
| INNOVATIVE/UNIQUE PROGRAMMES | 104 |
| National Science Day | 104 |
| Physicist Of The Day | 106 |
| Congratulations to Dr. Smitha Joseph | 107 |
| Sky Watch - Parade of Planets | 108 |
| PROGRAMMES FOR SLOW/ADVANCED LEARNERS | 109 |
| Peer Learning | 109 |
| PROGRAMMES FOR DIVYANGAN | 111 |
| Sign Language Class | 111 |
| ACTIVITIES TO PROMOTE CONSTITUTIONAL VALUES & HUMAN RIGHTS | 112 |
| Field Study - The Causes and Effects of Different Types of Pollutions | 112 |
| Human Rights Seminar | 114 |
| Malala Day –July 12 | 116 |
| Hiroshima and Nagasaki Day – Aug 9 | 118 |
| Anti-Dowry Pledge | 120 |
| EFFORTS TO PRACTISE LINGUISTIC INCLUSIVENESS | 121 |
| Webinar On France And French: An Indian Encounter | 121 |
| GENDER SENSITISATION | 124 |
| Marie Curie Day – July 7 | 124 |
| STUDENT PROGRESSION | 125 |
| Students who are placed | 125 |
| Students progressing to Higher Education | 126 |

Criterion III

SEMINARS AND WORKSHOPS CONDUCTED

| Title of the Seminar & Level (International/National/ State) | Date (From - To) | Number of Participants |
|---|------------------|------------------------|
| Vykhari-2k21 | 29/09/2021 | 37 |
| National Science Day | 28/02/2022 | 64 |
| World Space Week Observance | 09/10/2021 | 37 |

SEMINAR ON RESEARCH METHODOLOGY AND IPR

| Title of the Seminar & Level (International/National/ State) | Date (From - To) | Number of Participants |
|---|------------------|------------------------|
| Seminar On Research Methodology & IPR | 09/02/2022 | 20 |

EXTENSION ACTIVITIES

| Title of the Activity | Date (From - To) | Collaborating Agency (if any) | Number of Participants |
|-----------------------------------|--------------------------|--|------------------------|
| Old age home visit "Shani Bhavan" | 17/03/2022 | | 33 |
| Webinar on Nuclear Weapons | 07/08/2021 to 10/03/2022 | Breakthrough Science Society, Kottayam Chapter | 6 |
| Webinar on Faraday's Day | 24/09/2021 to 27/09/2021 | Breakthrough Science Society, Kottayam Chapter | 6 |

AWARDS AND RECOGNITIONS

| Name of the Activity | Name of the Student | Awarding Agency |
|--|---------------------|-----------------|
| Affiliated as Karate Instructor | Meenakshi Rajesh | Sports Council |
| Selected for SNIC & Army Attached Camp (NCC) | Meenakshi Rajesh | NCC |

Criterion V

5.1 FREESHIPS/ SCHOLARSHIPS

| Name of the Student | Name of Freeships / Scholarship | Amount (RS.) |
|---------------------|---------------------------------|--------------|
| Alfia Aboobakkar | Lisa Kora Endowment | 60,000 |
| Bittu Elssa Thomas | | |

| | | |
|----------------------|---|--------|
| Safalya Surendran | | |
| Devika T L | | |
| Malavika Prabhakaran | | |
| Anila Augustine | | |
| Anagha K Reji | Kerala State Higher Education Scholarship | 18,000 |
| Jithu K Mathew | Kerala State Higher Education Scholarship | 18,000 |
| Keerthana V | Central Sector Scholarship | 10,000 |
| Susan T Chacko | Student Development Scholarship | 2,401 |
| Athira Aniyachan | Vidyakiran, | 10,000 |
| | Kerala Motor Welfare Fund | 2,000 |
| Elsa Rose K W | Post Matric | 6,000 |

| | | |
|-----------------|----------------------------|--------|
| | | |
| Ansu Sabu | Central Sector Scholarship | 10,000 |
| Sneha Surendran | Central Sector Scholarship | 10,000 |

5.2 CAPACITY BUILDING & SKILL DEVELOPMENT PROGRAM

1. Soft skill programmes
2. Language & communication skills
3. Life skill programs
4. ICT related programs

| Programmes | Name of the Capability enhancement Programme | Date of Implementation | Number of students enrolled |
|-----------------------|--|------------------------|-----------------------------|
| Soft Skill Programmes | Reading Day Celebration | 19/06/2021 | 37 |
| | Music Day Celebration | 21/06/2021 | 30 |
| Life Skill Programmes | International Yoga Day Celebration | 21/06/2021 | 98 |

| | | | |
|------------------------|-------------------------|----------------------------|----|
| ICT Related Programmes | Talk on C++ Programming | 08/09/2021 & 10/09/2021 | 20 |
|------------------------|-------------------------|----------------------------|----|

5.3 GUIDANCE FOR COMPETITIVE EXAMINATIONS & CAREER COUNSELLING PROGRAMME

| Program | Name of the Activity | Number of students attended / participated |
|---------------------------------------|---|--|
| Guidance for competitive examinations | JAM Coaching | 14 |
| Guidance for Career Counselling | Talk on Career Guidance and Higher Studies Opportunities in Physics | 37 |

5.4 STUDENT PROGRESSION

a) Placement,

| Sl No | Name of the Student | Name of the employer with contact details | Pay package at appointment |
|-------|---------------------|---|----------------------------|
| 1 | Priyamol M | Operation Executive at Infosys | INR 2.2 lakhs/annum |
| 2 | Sobhitha Chandran | Operation Executive at Infosys | INR 2.2 lakhs/annum |

| | | | |
|---|---------------------|--------------------------------|---------------------|
| 3 | Surya Muraleedharan | Graduate Trainee Y grad at TCS | INR 3.5 lakhs/annum |
|---|---------------------|--------------------------------|---------------------|

b) Higher Education

| SI No | Name of the Student | Programme Graduated from | Name of the institution joined | Name of the programme admitted to |
|-------|-------------------------|--------------------------|---|-----------------------------------|
| 1 | Akhila .M | BSc Physics | University college of Teacher Education, Vaikom | B.Ed |
| 2. | Amurtha Siby | BSc Physics | Carrier Heights Pala | SSC Coaching |
| 3. | Aleena Anna Alex | BSc Physics | KE College, Mannanam | MSc. Physics |
| 4. | Aleena Sosa Christopher | BSc Physics | CMS College, Kottayam | MSc. Physics |

5.5 AWARDS/ MEDALS FOR OUTSTANDING PERFORMANCE IN SPORTS/ CULTURAL ACTIVITIES AT UNIVERSITY/ STATE/ NATIONAL/ INTERNATIONAL LEVEL

| Name of the Student | Name of the award/ medal | Team / Individual | University/State/ National/ International | Sports/ Cultural |
|----------------------------|--|--------------------------|--|-------------------------|
| Meenakshi Rajesh | 2 nd position in Kata Competition | Individual | MG University | Sports |
| Meenakshi Rajesh | 1 st position in Kumite Competition | Individual | MG University | Sports |
| Meenakshi Rajesh | 2 nd position in Kata Competition | Team | MG University | Sports |
| Meenakshi Rajesh | 2 nd Position in Kumite Competition (Juniors) | Individual | State | Sports |

5.6 INTERCOLLEGIATE SPORTS AND CULTURAL EVENTS/COMPETITIONS IN WHICH STUDENTS OF THE INSTITUTION PARTICIPATED

| Date of event/activity (DD-MM-YYYY) | Name of the event/activity | Name of the student participated |
|--|---|---|
| 11/03/2022 | All Kerala Intercollegiate Physics Quiz Competition | Aswathy p ,Josiya George, Treesa K Devasia, Aswani Santhosh |
| 26/11/2021 | Bishop Vayalil Memorial All Kerala Intercollegiate Quiz Competition | Aswathy P, Treesa K Devasia, |
| 02/02/2022 | State Level Essay Writing Competition in connection with World Wetlands Day | Ammu K Reji Mitra Vinda S Kumar |
| 27/02/2021 | All Kerala Intercollegiate Science Quiz Competition | Anagha K Reji & Mariya Susan Lal |
| 18/08/2021 | Hindi Essay Writing Competition | Nnadana Vijay |

5.7 INTERDEPARTMENTAL SPORTS AND CULTURAL EVENTS/COMPETITIONS IN WHICH STUDENTS OF THE INSTITUTION PARTICIPATED

| Date of event/activity (DD-MM-YYYY) | Name of the event/activity | Name of the student participated |
|--|--|---|
| 04/02/2022 | World CANCER Day – Digital Poster Making Competition | Sneha Surendran |

| | | |
|------------|------------------|------------------|
| 05/06/2021 | Environment Quiz | Mariya Susan Lal |
|------------|------------------|------------------|

CRITERIA VII

| Sl. No. | Activity | Name of the Activity | No. of participants | Place | Date |
|---------|-------------------------|---------------------------|---------------------|--------------|------------|
| 1. | Social Service activity | Visit to Shanthibhavan | 33 | Kottayam | 17/03/2022 |
| 3. | Important days observed | National Doctors Day | 12 | Google Meet | 01/07/2021 |
| | | Marie Curie Day | | Google Meet | 07/07/2021 |
| | | Teachers Day | 37 | Google Meet | 05/09/2021 |
| | | Christmas Day Celebration | 35 | Classroom No | 23/12/2021 |
| | | World Asteroid Day | 7 | Google Meet | 30/06/2021 |
| | | Environment Day | 37 | Google Meet | 05/06/2021 |
| | | World Ocean Day | 37 | Google Meet | 08/06/2021 |
| | | Reading Day | 37 | Google Meet | 19/06/2021 |

| | | | | | |
|----|--|--|----|----------------|--------------------------|
| | | Music Day | 30 | Google Meet | 21/06/2021 |
| | | Yoga Day | 98 | Google Meet | 21/06/2021 |
| | | National Science Day | 64 | Sr.Savio Hall | 28/02/2022 |
| 4. | Activities which can inculcate human values | Case Study On Environmental Pollution | 20 | Polluted Areas | 09/01/2022 to 11/01/2022 |
| 5. | Activities to promote constitutional values/rights/responsible citizen | Seminar on Human rights | 37 | | |
| 6. | Green initiatives and Activities to promote environmental sustainability | Environment Day | 37 | Google Meet | 05/06/2021 |
| | | World Ocean Day | 37 | Google Meet | 08/06/2021 |
| 7. | Entrepreneurship programs to promote economic sustainability | Talk On Entrepreneurship In Led Lighting And Business – 2021 | 15 | Google Meet | 23/10/2021 |

ACADEMIC PERFORMANCE

For the academic year 2020-21, 25 students in total appeared for the university examinations. Two of them secured A+, ten secured A grade, ten secured B+ and two secured B grade. The total pass percentage for the year 2020-21 was 96%



Rosemol Boby (8.53) A+

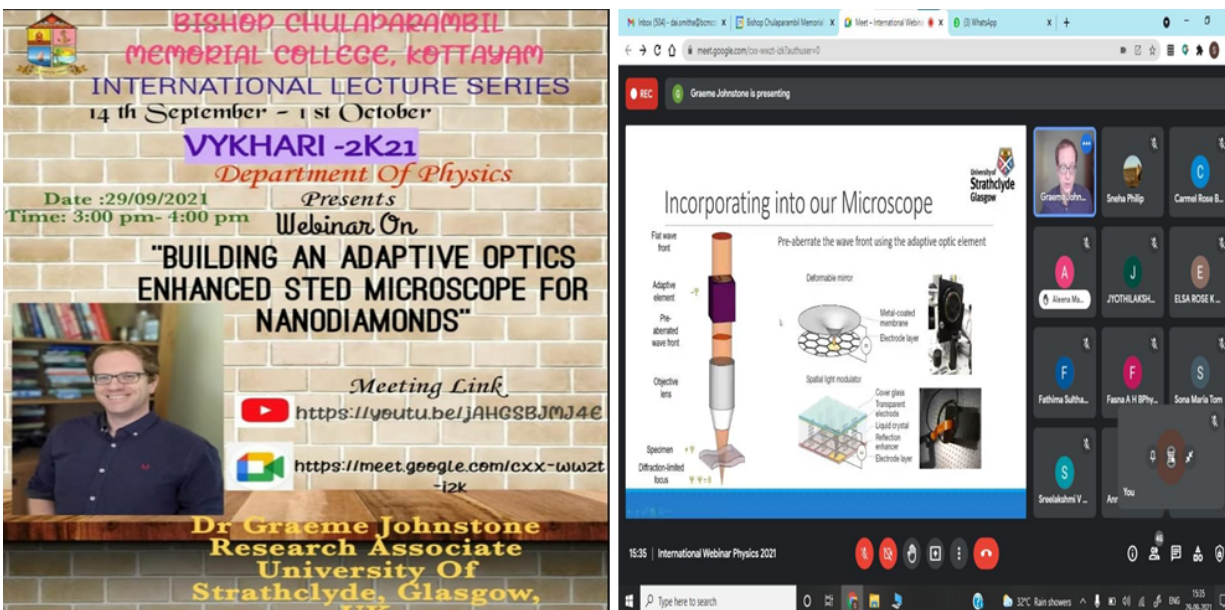


M S Arunima (8.57) A+

SEMINARS/WORKSHOPS CONDUCTED

Vykhari – 2k21

VYKHARI - International Lecture Series 2021 was an annual webinar series conducted by BCM College Kottayam as a part of diamond Jubilee of the college. This programme is organised by International Quality Assurance Cell (IQAC) and research cell from 13 September to 1 October, 2021. The programme was inaugurated by Dr. Sabu Thomas (Vice Chancellor, Mahatma Gandhi University, Kottayam). The objective of this programme was to impart knowledge in diverse fields such as entrepreneurship, science, and social work through interactive sessions. Department of physics organised a webinar on 29/09/2021 based on the topic **“Building An Adaptive Optics Enhanced Sted Microscope For Nanodiamonds”** and the resource person was Dr. Graeme Johnstone, Research Associate, University Of Strathclyde, Glasgow, United Kingdom.



PARTICIPANT LIST

| SI NO | NAME OF THE PARTICIPANT | YEAR OF STUDY |
|-------|-------------------------|---------------|
| 1. | Aisha Salis | 2nd DC |
| 2 | Ananya Raju | 2nd DC |

| | | |
|----|---------------------|--------|
| 3 | Anila T Sunny | 2nd DC |
| 4 | Ansu Sabu | 2nd DC |
| 5 | Arjuna Reji | 2nd DC |
| 6 | Aishithamol S Kumar | 2nd DC |
| 7 | Ashwani Santhosh | 2nd DC |
| 8 | Divyamol S | 2nd DC |
| 9 | Elsa Rose K W | 2nd DC |
| 10 | Jyothilakshmi D | 2nd DC |
| 11 | Lakshmi P S | 2nd DC |
| 12 | Nandhana Manoj | 2nd DC |
| 13 | Nivya Prakash | 2nd DC |
| 14 | S Amrithakrishna | 2nd DC |
| 15 | Safa K | 2nd DC |
| 16 | Sneha Surendran | 2nd DC |

| | | |
|----|---------------------|--------|
| 17 | Varsha P Nair | 2nd DC |
| 18 | Akshaya Jeenraj | 3rd DC |
| 19 | Carmel Rose Benny | 3rd DC |
| 20 | Devika KSunil | 3rd DC |
| 21 | Devendu M Dipukumar | 3rd DC |
| 22 | MAriya Susan Lal | 3rd DC |
| 23 | Megha Anil | 3rd DC |
| 24 | Nandhana Vijay | 3rd DC |
| 25 | Susan T Chacko | 3rd DC |
| 26 | Akhila G Nair | 3rd DC |
| 27 | Anagha K Reji | 3rd DC |
| 28 | Anna Treesa Saji | 3rd DC |
| 29 | Brilla Johnson | 3rd DC |
| 30 | Fathima Sulthana | 3rd DC |

| | | |
|-----|----------------------|---------|
| 31 | Ginatamol PJ | 3rd DC |
| 32 | Jithu K Mathew | 3rd DC |
| 33 | Kavya K S | 3rd DC |
| 34 | Keerthana V | 3rd DC |
| 35 | Neeraja K Shaji | 3rd DC |
| 36 | Rona Roy | 3rd DC |
| 37 | Sreelakshmi V H | 3rd DC |
| 38. | Gouri Lakshmi R Nair | 3 rd DC |
| 39. | Acca Mariyam Mathew | 3 rd DC |
| 40. | Anjitha E U | 3 rd DC |
| 41. | Bhagya U Nair | 3 rd DC |
| 42. | Amalu mol K Benny | 3 rd DC |
| 43 | Geethu Gopinath | 3 rd DC |
| 44. | Arathy Praksh | 3 rd DC |
| 45. | Amrutha Suresh | 3 rd DC |

| | | |
|-----|-----------------|---------|
| 46 | Juna Rose Robin | 2 nd DC |
| 47. | Nandana Pramod | 2 nd DC |
| 48. | Christy Mano | 2 nd DC |
| 49. | Anjali Sunil | 2 nd DC |
| 50. | Nirajana D | 2 nd DC |
| 51. | Shreya Prasad | 2 nd DC |

Workshop On LED Manufacturing

As a part of the certificate course on “Entrepreneurship In LED Lighting Business” a one day workshop on LED manufacturing was conducted by the Physics Department on 5th November 2021 from 9.30 am to 1.00 pm at the Department lab. The workshop was led by Mr. Athul Krishna V. D and Mr. Ashish V.J. Students and faculty of the department participated in the workshop



PARTICIPANT LIST

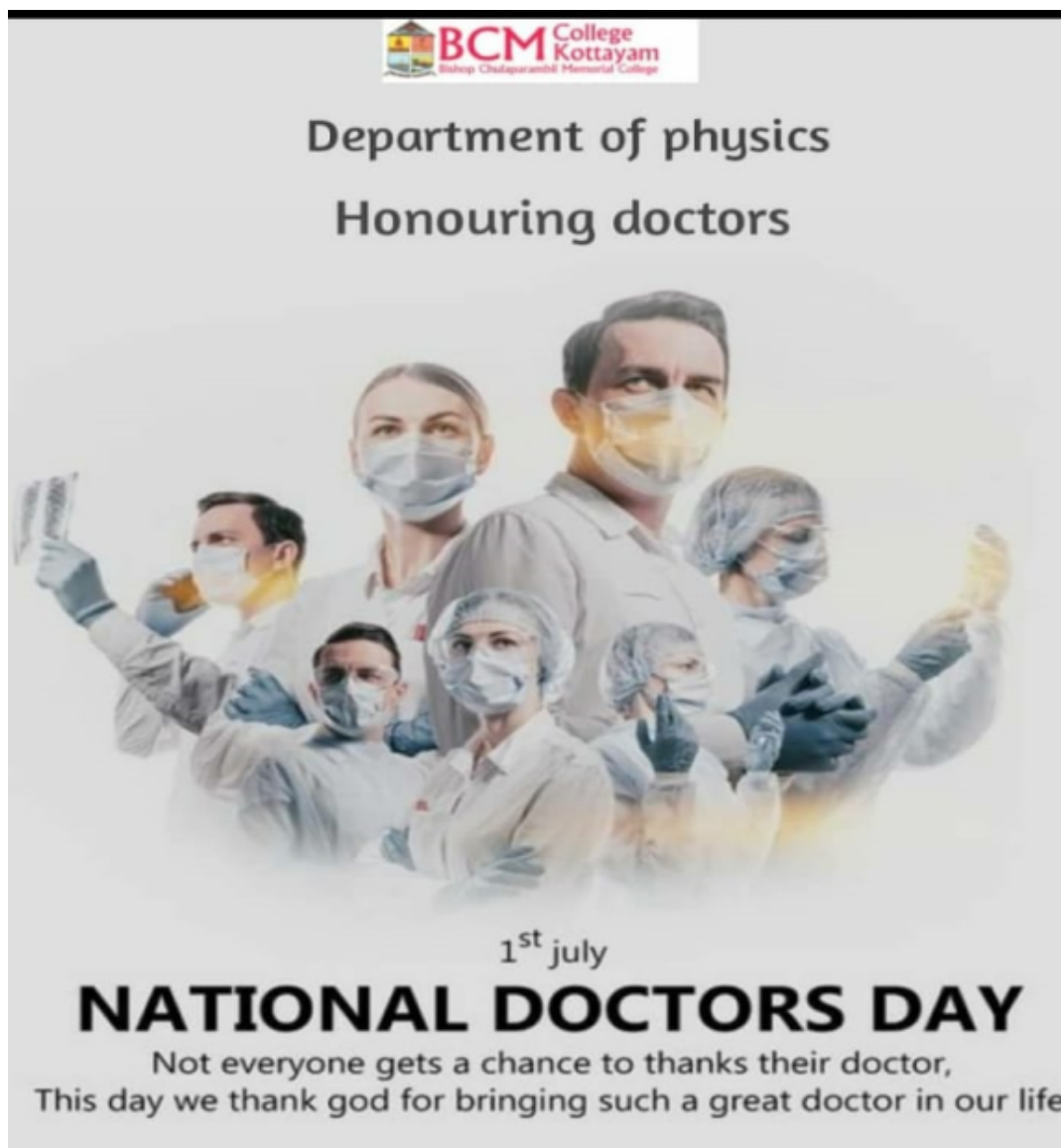
| Name | Name Of College | Department | Year Of Study |
|---------------------|----------------------|------------|--------------------|
| 5. Aisha Sali S | BCM College Kottayam | Physics | 2 nd Dc |
| 6. Ansu Sabu | BCM College Kottayam | Physics | 2 nd Dc |
| 7. Divyamol S | BCM College Kottayam | Physics | 2 nd Dc |
| 8. Elsa Rose | BCM College Kottayam | Physics | 2 nd Dc |
| 9. Jyothilakshmi D | BCM College Kottayam | Physics | 2 nd Dc |
| 10. Lakshmi Ps | BCM College Kottayam | Physics | 2 nd Dc |
| 11. Nandhana Manoj | BCM College Kottayam | Physics | 2 nd Dc |
| 12. S.Amritakrishna | BCM College Kottayam | Physics | 2 nd Dc |
| 13. Sneha Surendran | BCM College Kottayam | Physics | 2 nd Dc |
| 14. Devika S | BCM College Kottayam | FACS | 2 nd Dc |
| 15. Riya Reji | BCM College Kottayam | FACS | 2 nd Dc |
| 16. Akhila G Nair | BCM College Kottayam | Physics | 3 rd Dc |

| | | | |
|--------------------|-------------------------|---------|--------------------|
| 17. Anagha K Reji | BCM College Kottayam | Physics | 3 rd Dc |
| 18. Jithu K Mathew | BCM College Kottayam | Physics | 3 rd Dc |
| 19. Keerthana V | BCM College Kottayam | Physics | 3 rd Dc |
| 20. Nandana Vijay | BCM College Kottayam | Physics | 3 rd Dc |
| 21. Megha Anil | BCM College Kottayam | Physics | 3 rd Dc |
| 22. Sreelakshmi VH | BCM College Kottayam | Physics | 3 rd Dc |

DAYS OBSERVED

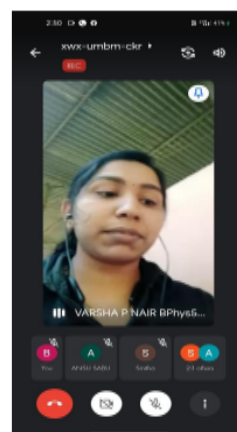
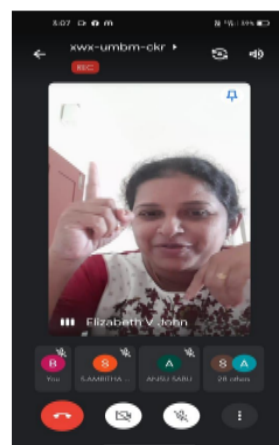
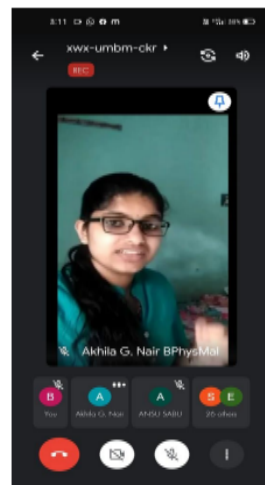
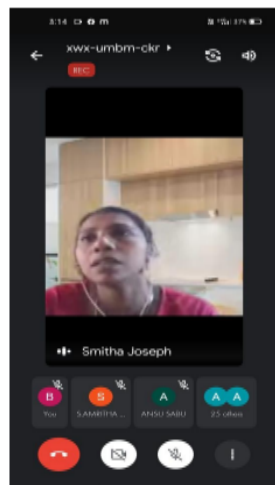
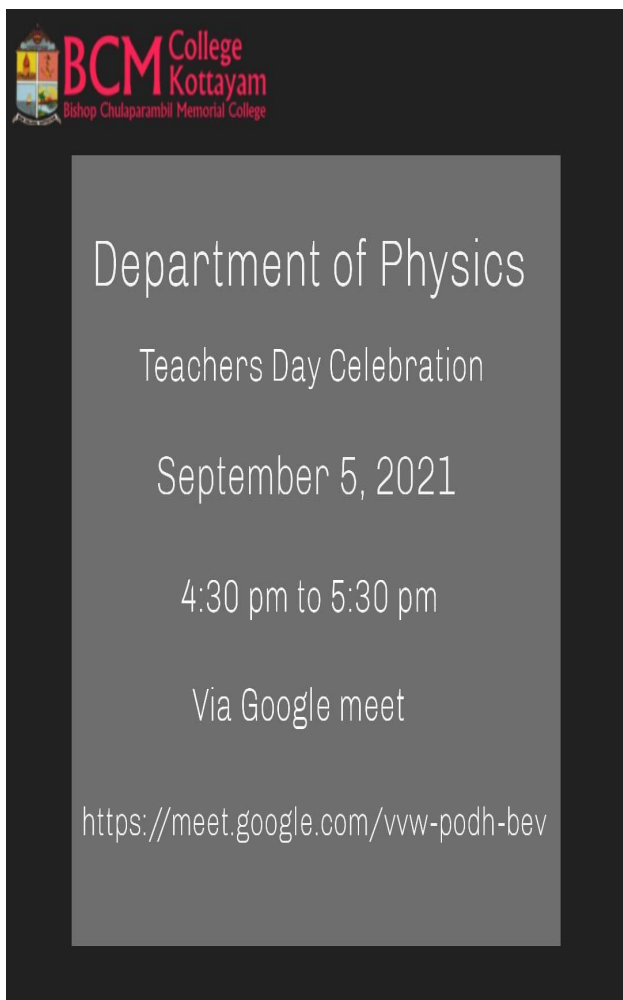
National Doctors Day - July 1

The Indian Medical Association (IMA) observes July 1 as National Doctors' Day every year. This day is dedicated to all the doctors and healthcare workers who put their lives on the line in service of society.



Teachers Day – Sept 5

Teachers’ day is celebrated annually on September 5 to mark the birth anniversary of India’s former President, Scholar, Philosopher and Bharat Ratna awardee, Dr S. Radhakrishnan. The Physics department conducted a very well-organized teacher’s day celebration on September 8, 2021 showing gratitude towards our teachers. Everyone was invited to the online session that started at 2:30pm. Varsha P Nair from 2nd year welcomed the gathering. Nandana Manoj of 2nd year presented a video to wish our teachers. A game section was also conducted for teachers. Teachers shared their experiences - it was really heart touching. The meeting was hosted by S Amrithakrishna and Ansu Sabu from 2nd year. The session was completed by 3.30pm with a vote of thanks by Jyotilakshmi D from 2nd year.



Christmas Celebration – Dec 23

Students of Physics dept. celebrated Christmas on 20th December, 2021 in Room No. 314 from 2 PM to 3 PM. All the students gathered to share Christmas joy and were enthusiastic to decorate the classroom beautifully. The students sang carol songs and danced.

Christmas card making and quiz competitions were conducted. Teachers also participated with the students. To inculcate the spirit of sharing, Christmas gifts were shared among us. The joy of celebrating Christmas was visible on everybody's faces.





PARTICIPANT LIST

CHRISTMAS CELEBRATION

30

| Sl.No | Name of the student | Class | Signature | Sl.No |
|-------|-----------------------|------------------------------|-------------|-------|
| 1 | Nandana Vijay | III rd DC Physics | Nandana | |
| 2 | Akhila G. Nair | " | Akhila | |
| 3 | Anagha K. Reji | " | Anagha | |
| 4 | Fathima Sulthana | " | Fathima | |
| 5 | Mariya Susan Lal | " | Mariya | |
| 6 | Kavya K.S | " | Kavya | |
| 7 | Anita Neesa Saji | " | Anita | |
| 8 | Neeja K shaji | " | Neeja | |
| 9 | Megha Anil | " | Megha | |
| 10 | Devandu M. Dipkumar | " | Devandu | |
| 11 | Sneelakshmi V.H | " | Sneelakshmi | |
| 12 | Susan T. Chacko | " | Susan | |
| 13 | Jithu K. Mathew | " | Jithu | |
| 14 | Keerthana V | " | Keerthana | |
| 15 | Surya Ravindran | " | Surya | |
| 16 | Ashaya Jeemraj | " | Ashaya | |
| 17 | Bhilla Johnson | " | Bhilla | |
| 18 | Carmel Rose Benny | " | Carmel | |
| 19 | Ginta Mof P.J | " | Ginta | |
| 20 | Devika K. Sunil | " | Devika | |
| 21 | Megha H. Karat | 1 st DC Physics | Megha | |
| 22 | Mithra Vinda S. Kumar | " | Mithra | |
| 23 | Jasty George | " | Jasty | |
| 24 | Aarathy P. | " | Aarathy | |
| 25 | Amma K Reji | " | Amma | |
| 26 | Aleena Maria Anthon | " | Aleena | |
| 27 | Preesa K. Devissa | " | Preesa | |
| 28 | Aeeba R | " | Aeeba | |
| 29 | Jasani Karakorej | " | Jasani | |
| 30 | Saha Saba | " | Saha | |
| 31 | Saha Stanus | " | Saha | |
| 32 | Surya A | " | Surya | |

Dr. Smitha Joseph
H.O.D.
Department of Physics
BCM College, Kottayam

GREEN INITIATIVES

Environment Day - June 5

World Environment Day is observed on June 5th every year. The purpose of this day is to spread awareness about the threat to the environment. The theme of World Environment Day 2021 was “Ecosystem Restoration”.

The Physics department conducted an awareness program on June 5th by planting trees and making eco-friendly products. Both 3rd years and 2nd year participated in this program wholeheartedly. With the corona virus outbreak and people confined indoors the environment and mother earth seems to have benefited slightly. Nature is getting time to cleanse itself and reclaim its space.

The United Nations Assembly established World Environment Day in 1972 which was the first day of the Stockholm Conference on the Human Environment.



Students with eco-friendly products

PARTICIPANT LIST

| SI NO | NAME OF THE PARTICIPANT | YEAR OF STUDY |
|-------|-------------------------|---------------|
| 1. | Aisha Sali s | 2DC |
| 2 | Ananya Raju | 2DC |
| 3 | Anila T Sunny | 2DC |
| 4 | Ansu Sabu | 2DC |
| 5 | Arjuna Reji | 2DC |
| 6 | Aishithamol S Kumar | 2DC |
| 7 | Ashwani Santhosh | 2DC |
| 8 | Divyamol S | 2DC |
| 9 | Elsa Rose K W | 2DC |
| 10 | Jyothilakshmi D | 2DC |
| 11 | Lakshmi P S | 2DC |
| 12 | Nandhana Manoj | 2DC |
| 13 | Nivya Prakash | 2DC |
| 14 | S Amrithkrishna | 2DC |
| 15 | Safa K | 2DC |
| 16 | Sneha Surendran | 2DC |
| 17 | Varsha P Nair | 2DC |
| 18 | Akshaya Jeenraj | 3DC |
| 19 | Carmel Rose Benny | 3DC |
| 20 | Devika K Sunil | 3DC |
| 21 | Devendu M Dipukumar | 3DC |
| 22 | MAriya Susan Lal | 3DC |
| 23 | Megha Anil | 3DC |
| 24 | Nandhana Vijay | 3DC |
| 25 | Susan T Chacko | 3DC |
| 26 | Akhila G Nair | 3DC |
| 27 | Anagha K Reji | 3DC |
| 28 | Anna Treesa Saji | 3DC |
| 29 | Brilla Johnson | 3DC |
| 30 | Fathima Sulthana | 3DC |
| 31 | Ginatamol PJ | 3DC |
| 32 | Jithu K Mathew | 3DC |
| 33 | Kavya K S | 3DC |
| 34 | Keertha V | 3DC |
| 35 | Neeraja K Shaji | 3DC |
| 36 | Rona Roy | 3DC |
| 37 | Sreelakshmi V H | 3DC |

World Ocean Day - June 8

World Ocean Day is celebrated annually on June 8 to understand the importance of oceans and their contribution to the ecosystem. This day is observed to increase public awareness of the consequences and impact of human activities on oceans.

As a part of celebrating World Ocean Day, the Department of Physics conducted a webinar on June 9 2021. Our resource person was Dr. Elizabeth V John, Asst. Professor. Department of Physics, BCM College, Kottayam. She led the webinar focussing on the topic “World Ocean Day”. The seminar focused on the main theme of 2021 World Ocean Day “*The Ocean: Life and Livelihood*”. The program started at 2:30 PM with a silent prayer followed by a welcome speech by Fatima Sulthana of 3rd DC. A video presentation on the topic was followed by a talk by Dr. Elizabeth V John. It was an informative and eye opening talk for the students. The program was concluded by a vote of thanks by Keerthana V of 3rd DC and the session came to an end by 3:30 pm. Our Head of the Department, Dr. Smitha Joseph along with all the third year students had participated in this online talk.





PARTICIPANT LIST

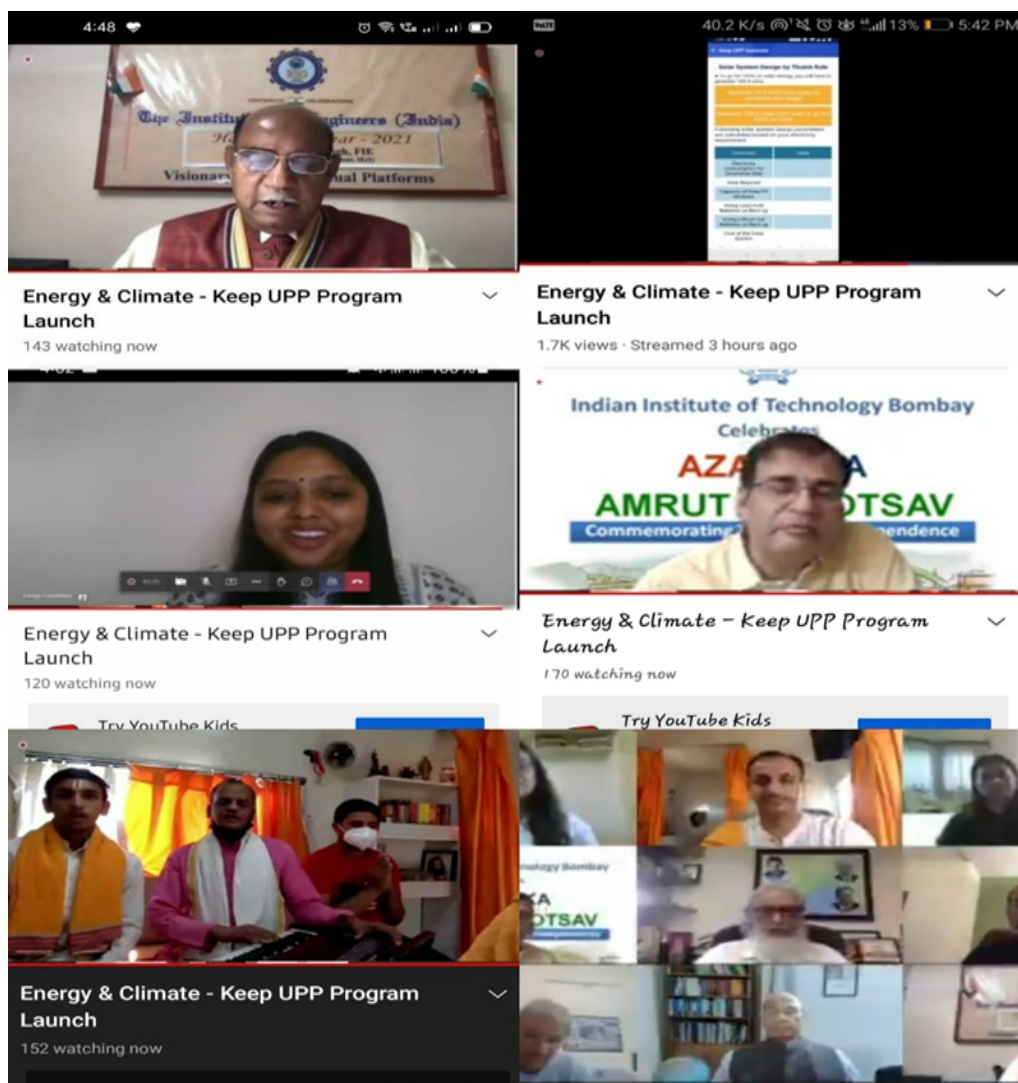
| SI NO | NAME OF THE PARTICIPANT | YEAR OF STUDY |
|-------|-------------------------|---------------|
| 1. | Aisha Sali s | 2DC |
| 2 | Ananya Raju | 2DC |
| 3 | Anila T Sunny | 2DC |
| 4 | Ansu Sabu | 2DC |
| 5 | Arjuna Reji | 2DC |
| 6 | Aishithamol S Kumar | 2DC |
| 7 | Ashwani Santhosh | 2DC |
| 8 | Divyamol S | 2DC |
| 9 | Elsa Rose K W | 2DC |
| 10 | Jyothilakshmi D | 2DC |
| 11 | Lakshmi P S | 2DC |
| 12 | Nandhana Manoj | 2DC |
| 13 | Nivya Prakash | 2DC |
| 14 | S Amrithkrishna | 2DC |
| 15 | Safa K | 2DC |
| 16 | Sneha Surendran | 2DC |
| 17 | Varsha P Nair | 2DC |
| 18 | Akshaya Jeenraj | 3DC |
| 19 | Carmel Rose Benny | 3DC |
| 20 | Devika KSunil | 3DC |
| 21 | Devendu M Dipukumar | 3DC |
| 22 | MARIYA Susan Lal | 3DC |

| | | |
|----|------------------|-----|
| 23 | Megha Anil | 3DC |
| 24 | Nandhana Vijay | 3DC |
| 25 | Susan T Chacko | 3DC |
| 26 | Akhila G Nair | 3DC |
| 27 | Anagha K Reji | 3DC |
| 28 | Anna Treesa Saji | 3DC |
| 29 | Brilla Johnson | 3DC |
| 30 | Fathima Sulthana | 3DC |
| 31 | Ginatamol PJ | 3DC |
| 32 | Jithu K Mathew | 3DC |
| 33 | Kavya K S | 3DC |
| 34 | Keertha V | 3DC |
| 35 | Neeraja K Shaji | 3DC |
| 36 | Rona Roy | 3DC |
| 37 | Sreelakshmi V H | 3DC |

Earth Day - April 22

Climate change has become an existential threat to human life and collective action is required to mitigate it. Energy Swaraj Foundation had launched the "Energy and Climate - Keep UPP (understand, pledge and progress) Program" internationally through an online event on Earth Day - 22nd April 2021, 4.00 P.M. in the presence of Honorable Minister Shri. Ramesh Pokhriyal Nishank Ji as chief guest and Dr. Ajay Mathur, Director General, International Solar Alliance and Prof. Anil Sashrabudhe, Chairman, All India Council of Technical Education as special guests. Energy Swaraj Foundation with the aim for the need for large-scale public awakening and action, which should become a public movement. The Energy and Climate Change – Keep UPP program is launched with this purpose in mind.

In this regard, the Department of Physics was invited to be the Member of this year-long Keep UPP Program and to the launch of this program. As a part of this, the teachers and students of the Department of Physics took part in the ENERGY & CLIMATE – KEEP UPP LAUNCH on 22nd April, 2021.



PARTICIPANT LIST

| SI NO | NAME OF THE PARTICIPANT | YEAR OF STUDY |
|-------|-------------------------|---------------|
| 1. | Aisha Sali s | 2DC |
| 2 | Ananya Raju | 2DC |
| 3 | Anila T Sunny | 2DC |
| 4 | Ansu Sabu | 2DC |
| 5 | Arjuna Reji | 2DC |
| 6 | Aishithamol S Kumar | 2DC |
| 7 | Ashwani Santhosh | 2DC |
| 8 | Divyamol S | 2DC |
| 9 | Elsa Rose K W | 2DC |
| 10 | Jyothilakshmi D | 2DC |
| 11 | Lakshmi P S | 2DC |
| 12 | Nandhana Manoj | 2DC |
| 13 | Nivya Prakash | 2DC |
| 14 | S Amrithkrishna | 2DC |
| 15 | Safa K | 2DC |
| 16 | Sneha Surendran | 2DC |
| 17 | Varsha P Nair | 2DC |
| 18 | Akshaya Jeenraj | 3DC |
| 19 | Carmel Rose Benny | 3DC |
| 20 | Devika K Sunil | 3DC |
| 21 | Devendu M Dipukumar | 3DC |
| 22 | MARIYA Susan Lal | 3DC |
| 23 | Megha Anil | 3DC |
| 24 | Nandhana Vijay | 3DC |
| 25 | Susan T Chacko | 3DC |
| 26 | Akhila G Nair | 3DC |
| 27 | Anagha K Reji | 3DC |
| 28 | Anna Treesa Saji | 3DC |
| 29 | Brilla Johnson | 3DC |
| 30 | Fathima Sulthana | 3DC |
| 31 | Ginatamol PJ | 3DC |
| 32 | Jithu K Mathew | 3DC |
| 33 | Kavya K S | 3DC |
| 34 | Keertha V | 3DC |
| 35 | Neeraja K Shaji | 3DC |
| 36 | Rona Roy | 3DC |
| 37 | Sreelakshmi V H | 3DC |

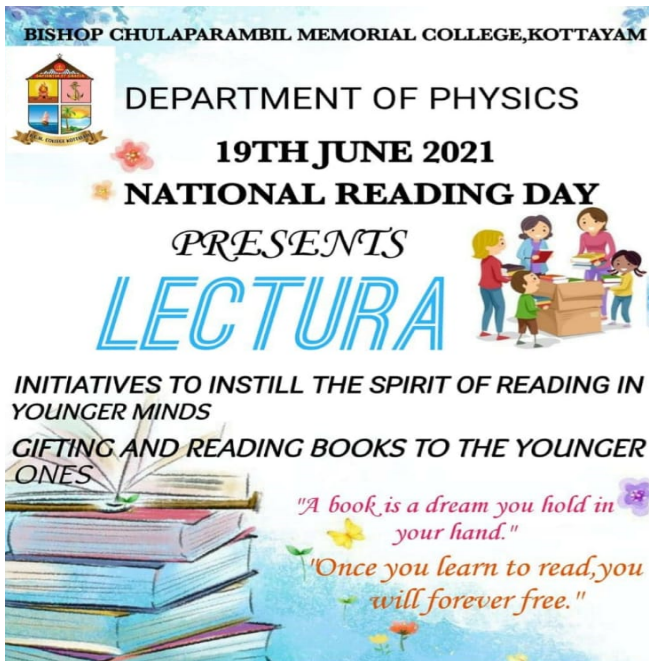
CAPACITY BUILDING AND SKILL DEVELOPMENT PROGRAMMES

Soft Skill Programmes

Reading Day Celebration – June 19

India celebrates June 19 as the Reading Day in honour of P.N Panikar, the Father of library and literary movement in Kerala.

The Department of Physics celebrated National Reading Day ‘Lectura’ to instill the spirit of reading in young minds, by gifting and reading books. Reading is important because it cultivates the mind and sharpens critical thinking. Reading is really helpful for young children to improve their personality. Both 3rd years and 2nd years participated in programs wholeheartedly. As a part of this programme, we donated 26 books to young children.



PARTICIPANT LIST

| SI NO | NAME OF THE PARTICIPANT | YEAR OF STUDY |
|-------|-------------------------|---------------|
| 1. | Aisha Sali s | 2DC |
| 2 | Ananya Raju | 2DC |
| 3 | Anila T Sunny | 2DC |
| 4 | Ansu Sabu | 2DC |
| 5 | Arjuna Reji | 2DC |
| 6 | Aishithamol S Kumar | 2DC |
| 7 | Ashwani Santhosh | 2DC |
| 8 | Divyamol S | 2DC |
| 9 | Elsa Rose K W | 2DC |
| 10 | Jyothilakshmi D | 2DC |
| 11 | Lakshmi P S | 2DC |
| 12 | Nandhana Manoj | 2DC |
| 13 | Nivya Prakash | 2DC |
| 14 | S Amrithkrishna | 2DC |
| 15 | Safa K | 2DC |
| 16 | Sneha Surendran | 2DC |
| 17 | Varsha P Nair | 2DC |
| 18 | Akshaya Jeenraj | 3DC |
| 19 | Carmel Rose Benny | 3DC |
| 20 | Devika KSunil | 3DC |
| 21 | Devendu M Dipukumar | 3DC |
| 22 | MARIYA Susan Lal | 3DC |
| 23 | Megha Anil | 3DC |
| 24 | Nandhana Vijay | 3DC |
| 25 | Susan T Chacko | 3DC |
| 26 | Akhila G Nair | 3DC |
| 27 | Anagha K Reji | 3DC |
| 28 | Anna Treesa Saji | 3DC |
| 29 | Brilla Johnson | 3DC |
| 30 | Fathima Sulthana | 3DC |
| 31 | Ginatamol PJ | 3DC |
| 32 | Jithu K Mathew | 3DC |
| 33 | Kavya K S | 3DC |
| 34 | Keertha V | 3DC |
| 35 | Neeraja K Shaji | 3DC |
| 36 | Rona Roy | 3DC |
| 37 | Sreelakshmi V H | 3DC |

Music Day Celebration- June 21

World Music Day is an annual celebration observed on 21 June around the world. It is a day to encourage young and amateur musicians to perform. On this day, also known as Music Day or Make Music Day, anyone can play their favourite instruments for enjoyment and relaxation.

More than 120 countries commemorate this day as people organise free public concerts in parks, stadiums, and public places, mostly for music lovers and learners.

However, with the COVID-19 pandemic and lockdown restricting activities this year, people are more likely to celebrate World Music Day virtually at home. As a part of the Music day celebration The Department of Physics organised various intercollegiate competitions.



DEPARTMENT OF PHYSICS

Celebrates



WORLD MUSIC DAY

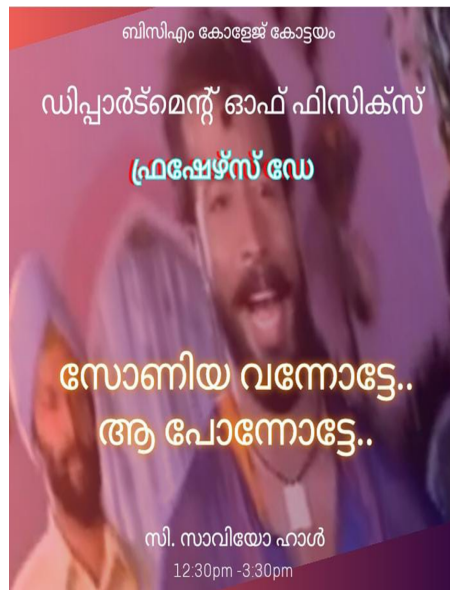
On
21st June 2021

“Without music, life
would be a mistake”

Friedrich Nietzsche

Freshers Day and Association Inauguration

Department of Physics conducted freshers day and association inauguration on 7th January 2021 at 12.30pm in savio hall. Inauguration of physics association (pragathi) was done by DR.STEPHY THOMAS Principal,BCM college Kottayam. Freshers day of our new first years was also conducted along with it at savio hall . Different tasks and games were given to students. 1st DC, 2nd DC and 3rd DC participated whole heartedly.



PARTICIPANT LIST

| FRESHER'S DAY | | | CHRISTMAS CELEBRATION | | | |
|---------------|---------------------|-----------------------|-----------------------|----------------------|-------------------------------|-----------|
| Sl No | Name of the student | class | Sl No | Name of the student | Class | Signature |
| 1 | Elsa Rose K.W | III rd BSc | 1 | Nardana Vijay | III rd BSc Physics | |
| 2 | Sneha Sureshdrao | " | 2 | Akhila G. Ndis | " | |
| 3 | Nandhana Manoj | " | 3 | Anagha K. Reji | " | |
| 4 | Jyothi Lakshmi D | " | 4 | Fathima Sulthana | " | |
| 5 | Aisha Sali S | " | 5 | Mariga Susan Lal | " | |
| 6 | Varsha P. Nair | " | 6 | Kavya K.S | " | |
| 7 | Divyamal S | " | 7 | Anna Teesa Saji | " | |
| 8 | Arjuna Reji | " | 8 | Nooraja K Shaji | " | |
| 9 | Anila T Sunny | " | 9 | Megha Anil | " | |
| 10 | Lakshmi P S | " | 10 | Devidu M. Dipankar | " | |
| 11 | Aswari Santhosh | " | 11 | Snehalakshmi V.H | " | |
| 12 | Ananya Raju | " | 12 | Susan T. Chacko | " | |
| 13 | Ashithamal S Kumar | " | 13 | Jithu K. Mathew | " | |
| 14 | Ansu Sabu | " | 14 | Keerthana V | " | |
| | | | 15 | Surya Ravindran | " | |
| | | | 16 | Ashwarya Jeeraj | " | |
| | | | 17 | Phill Johnson | " | |
| | | | 18 | Carmel Rose Kenny | " | |
| | | | 19 | Guntamot P.J | " | |
| | | | 20 | Devika K Sunil | " | |
| | | | 21 | Megha H. Karat | I st BSc Physics | |
| | | | 22 | Mitza Vinda S. Kumar | " | |
| | | | 23 | Jessya George | " | |
| | | | 24 | Aarathy P | " | |
| | | | 25 | Annu K Reji | " | |
| | | | 26 | Aleena Maria Senthil | " | |
| | | | 27 | Prema K Devasis | " | |
| | | | 28 | Geetha R | " | |
| | | | 29 | Jyanaa Kanakraj | " | |
| | | | 30 | Sasha Sabu | " | |
| | | | 31 | Sasha Shams | " | |
| | | | 32 | Surya G | " | |

Dr. Somitha Joseph
H.O.D.
Department of Physics
BCM College, Kottayam

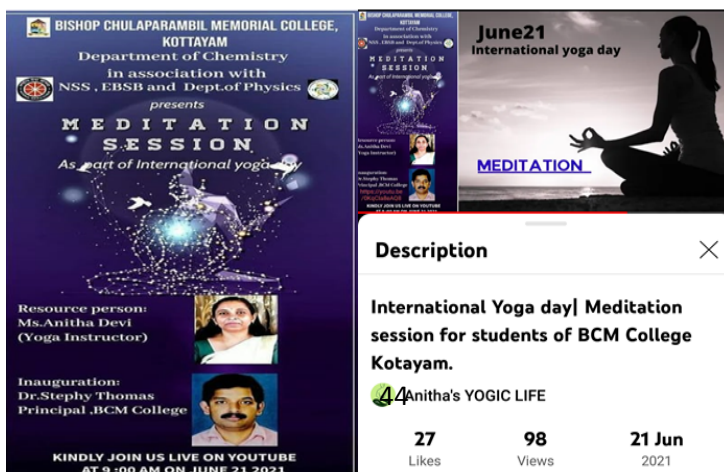
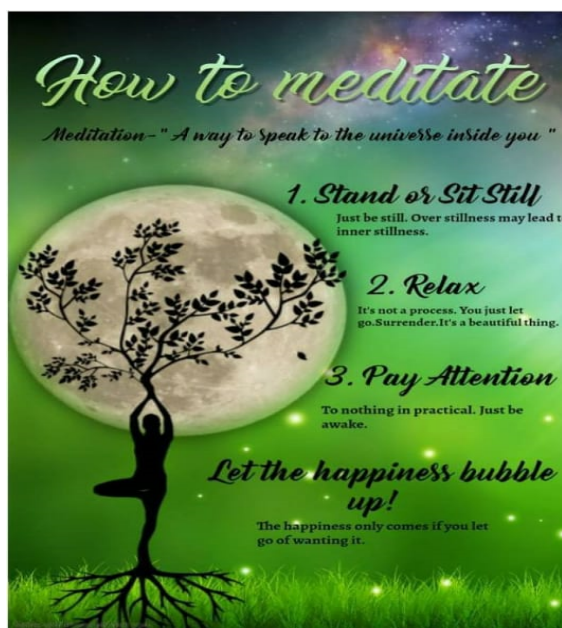
Life Skill Programmes

International Yoga Day

International Day of Yoga 2021, (June 21), carries the theme "*Yoga for Well-being*", much relevant for our times in a society still recovering from the impact of the Covid-19 pandemic.

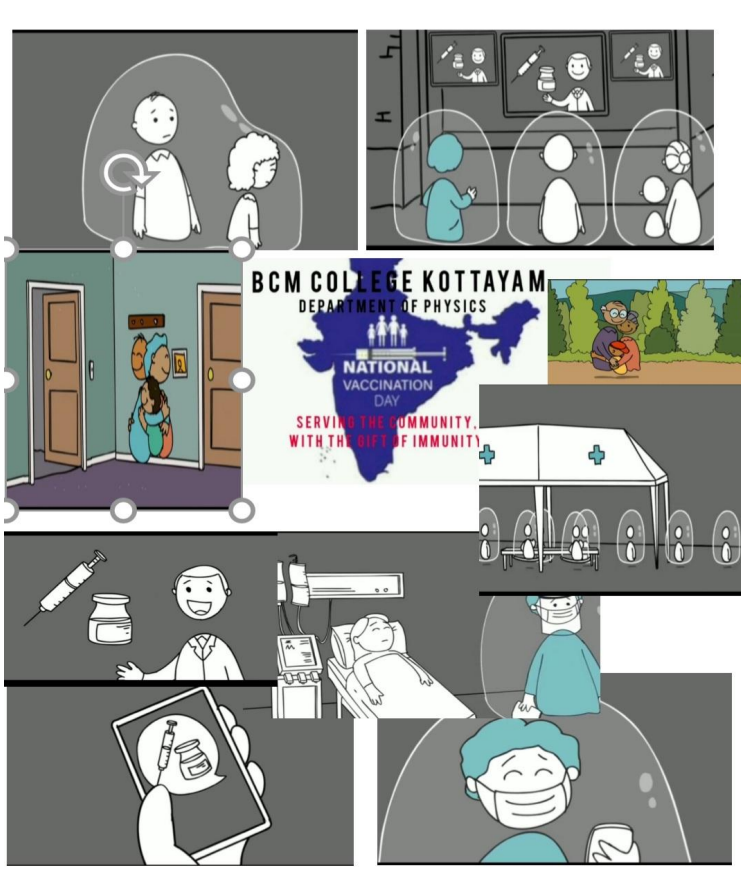
On this day, a fifteen minutes Yoga session was organised by the Department of Physics & Chemistry on 21st June 2021 in collaboration with Anitha's YOGIC LIFE.

The session was inaugurated by our beloved Principal Dr. Stephy Thomas followed by the welcome address by Vice Principal Dr. Annu Thomas. Later our chief guest Ms Anitha Devi showed us a few yoga poses along with a talk about the history and benefits of yoga. The session came to an end after a few minutes of meditation. The session was truly helpful and made the students realise the importance and need for practicing yoga and meditation in daily life.



National Vaccination Day

National Vaccination Day is observed every year on the 16th of March. This year the students of our department presented a video on the awareness of vaccination and circulated it through the social media platform. We had mainly focused on the 2022's National Vaccination Day theme "Vaccines work for All". It was an eye opening event which conveyed the importance of being vaccinated.



ICT Related Programmes

Talk On C++ Programming

On the 8th of September 2021, Mr. Dai George, Teacher, Computer Science Department, St. Sebastian's Higher Secondary School, Ayarkunnam presented a webinar for the 3rd DC students on the fundamentals and basics in C++ programming through Google Meet. The webinar started at about 10:30 am with a welcome note by Assistant Professor Dr. Elizabeth V John.

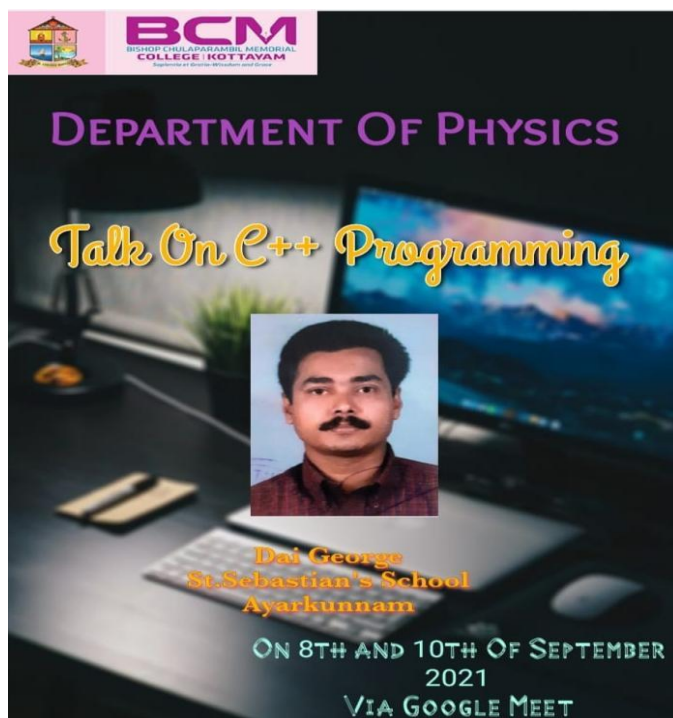
To join the meeting on Google Meet, click this link:

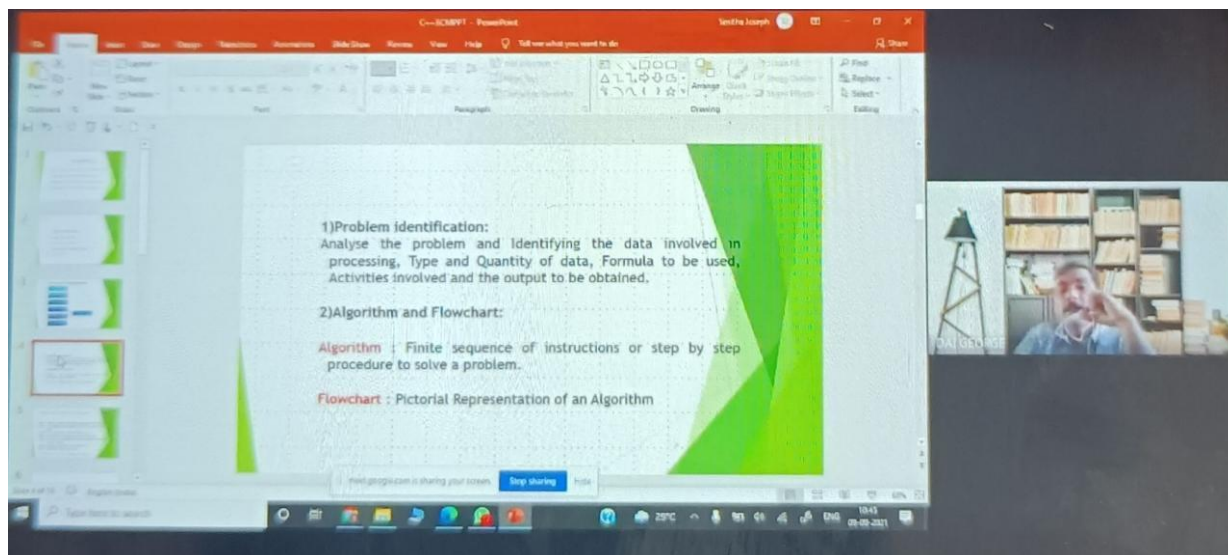
<https://meet.google.com/gpa-bxhc-vhs>

The webinar continued on the 10th of September 2021 where Dai Sir talked about the character sets and structure of a C++ program. He also explained the conditions and loops in C++ language with a few examples. The webinar came to an end at about 1 PM with a vote of thanks by Maria Susan Lal of 3rd dc. The session was informative and effective for the students and was helpful for us to wade into the world of C++ programming.

To join the meeting on Google Meet, click this link:

<https://meet.google.com/hcc-jvem-cww>





PARTICIPANT LIST


| SI NO | NAME OF THE PARTICIPANT | YEAR OF STUDY |
|-------|-------------------------|---------------|
| 1 | Akshaya Jeenraj | 3DC |
| 2 | Carmel Rose Benny | 3DC |
| 3 | Devika KSunil | 3DC |
| 4 | Devendu M Dipukumar | 3DC |
| 5 | Mariya Susan Lal | 3DC |
| 6 | Megha Anil | 3DC |
| 7 | Nandhana Vijay | 3DC |
| 8 | Susan T Chacko | 3DC |
| 9 | Akhila G Nair | 3DC |
| 10 | Anagha K Reji | 3DC |
| 11 | Anna Treesa Saji | 3DC |
| 12 | Brilla Johnson | 3DC |
| 13 | Fathima Sulthana | 3DC |
| 14 | Ginatamol PJ | 3DC |
| 15 | Jithu K Mathew | 3DC |
| 16 | Kavya K S | 3DC |
| 17 | Keertha V | 3DC |
| 18 | Neeraja K Shaji | 3DC |
| 19 | Rona Roy | 3DC |
| 20 | Sreelakshmi V H | 3DC |

GUIDANCE FOR COMPETITIVE EXAMINATIONS

IIT-JAM (Physics) Coaching 2021-2022

The Department of Physics organized IIT- JAM coaching for final year BSc Physics students during the academic year 2021-22, as they will be facing many competitive exams in coming months for their higher education. This coaching focuses on Physics for PG entrance examinations to be held in national and regional universities.

Mr. Vinayak Vinod, lecturer at department of Physics took the 30 contact hours, including 5 hours for foundation, 10 hours for intermediate portions, 10 hours for standard problems and 5 for miscellaneous problems. 18 students of BSc Physics benefited from this coaching. The classes began on November 29th, 2021 and extended till the end of February. Classes were taken after the regular working hours in offline and online mode.



BISHOP CHULPARAMBIL MEMORIAL COLLEGE KOTTAYAM
Department of Physics

IIT- JAM (PHYSICS) COACHING 2021

| | |
|---|--|
| <p>COMMENCING FROM</p> <p>29th November 2021</p> <p>30 Hours Course</p> <p>Time: 3.30 pm onwards</p> | <p>COURSE PATH</p> <ul style="list-style-type: none">@ 5 hours- Foundation@ 10 Hours- Intermediate@ 10 Hours- Standard@ 5 Hours- Miscellaneous |
| <p>CONTACT</p> <p>☞ Dr. Smitha Joseph HOD, Dept of Physics 9496280028</p> | <p>☞ Mr. Vinayak Vinod Lecturer, Dept of Physics 9496807482</p> |

JAM Coaching 2021-22

FORM
(See Rule
MUSTER

No. 25
Proceeding 130)
ROLL

| Name of Establishment | | | | | Place | | | | | | | | | | | | | | | | | | | | | | | | | | | Remarks |
|-----------------------|-------------------|----------------------|-----|----------------------------|----------------|----------------|---------|--------|---------|---------|---------|---------|--------|---------|---------|---------|---------|----------|----------------|----------|---------|---------|----------|----------|----------|---------|----------|----------|----------|----|--|---------|
| Sl. No. | NAME | Fathers/Mothers Name | Sex | Date of entry into service | Nature of Work | For the Period | | | | | | | | | | | | | For the Period | | | | | | | | | | | | | |
| | | | | | | 20/7/21 | 27/7/21 | 3/8/21 | 10/8/21 | 17/8/21 | 24/8/21 | 31/8/21 | 7/9/21 | 14/9/21 | 21/9/21 | 28/9/21 | 5/10/21 | 12/10/21 | 19/10/21 | 26/10/21 | 2/11/21 | 9/11/21 | 16/11/21 | 23/11/21 | 30/11/21 | 7/12/21 | 14/12/21 | 21/12/21 | 28/12/21 | 31 | | |
| 1 | Akshaya Jeevanji | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| 2 | Carini Rose Benny | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| 3 | Meera Susan Lal | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| 4 | Meera Anil | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| 5 | Nandana Vijay | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| 6 | Susan T. Chacko | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| 7 | Ashika G. Nair | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| 8 | Jathina Sathana | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| 9 | Jithu K. Mathan | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| 10 | Kanya K.S | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| 11 | Keerthana V | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| 12 | Nesaya K. Raju | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| 13 | Rama Raj | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| 14 | Sreelakshmi V.H | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | Kavya Vind | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |



Dr. Smitha Joseph
H.O.D.
Department of Physics
BGM College, Kottayam

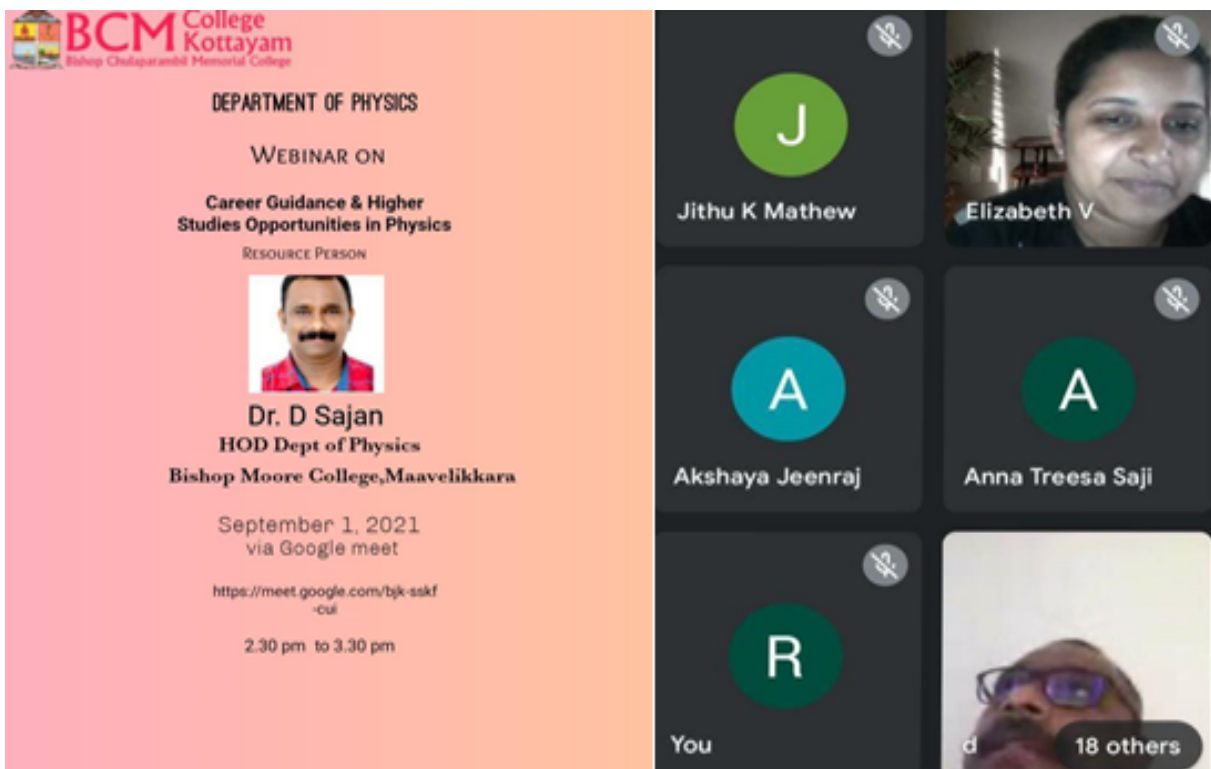


CAREER GUIDANCE PROGRAMMES

Talk On Career Guidance & Higher Studies Opportunities

A webinar on “Career Guidance & Higher Studies Opportunities in Physics” was conducted on 1st September 2021. Apart from a good number of students the programme was attended by faculty members from different departments. The resource person for the webinar was Dr. D Sajan, Head of the Dept of Physics, Bishop Moore College; Mavelikkara.

The programme started with the welcome address from our beloved Dr. Smitha Joseph. The webinar attempts to provide a view of opportunities, challenges and career prospects in today’s world. The talk gives us an overall view about different career opportunities and the scope of entrepreneurial ventures. The session ended with a round of discussion and vote of thanks by Dr. Elizabeth John.



PARTICIPANT LIST

| Si No | Name Of The Participant | Year Of Study |
|-------|-------------------------|---------------|
| 1. | Aisha Sali s | 2DC |
| 2 | Ananya Raju | 2DC |
| 3 | Anila T Sunny | 2DC |
| 4 | Ansu Sabu | 2DC |
| 5 | Arjuna Reji | 2DC |
| 6 | Aishithamol S Kumar | 2DC |
| 7 | Ashwani Santhosh | 2DC |
| 8 | Divyamol S | 2DC |
| 9 | Elsa Rose K W | 2DC |
| 10 | Jyothilakshmi D | 2DC |
| 11 | Lakshmi P S | 2DC |
| 12 | Nandhana Manoj | 2DC |
| 13 | Nivya Prakash | 2DC |
| 14 | S Amrithkrishna | 2DC |
| 15 | Safa K | 2DC |
| 16 | Sneha Surendran | 2DC |
| 17 | Varsha P Nair | 2DC |
| 18 | Akshaya Jeenraj | 3DC |
| 19 | Carmel Rose Benny | 3DC |
| 20 | Devika KSunil | 3DC |
| 21 | Devendu M Dipukumar | 3DC |
| 22 | MAriya Susan Lal | 3DC |
| 23 | Megha Anil | 3DC |
| 24 | Nandhana Vijay | 3DC |
| 25 | Susan T Chacko | 3DC |
| 26 | Akhila G Nair | 3DC |
| 27 | Anagha K Reji | 3DC |
| 28 | Anna Treesa Saji | 3DC |
| 29 | Brilla Johnson | 3DC |
| 30 | Fathima Sulthana | 3DC |
| 31 | Ginatamol PJ | 3DC |
| 32 | Jithu K Mathew | 3DC |
| 33 | Kavya K S | 3DC |
| 34 | Keertha V | 3DC |
| 35 | Neeraja K Shaji | 3DC |
| 36 | Rona Roy | 3DC |
| 37 | Sreelakshmi V H | 3DC |

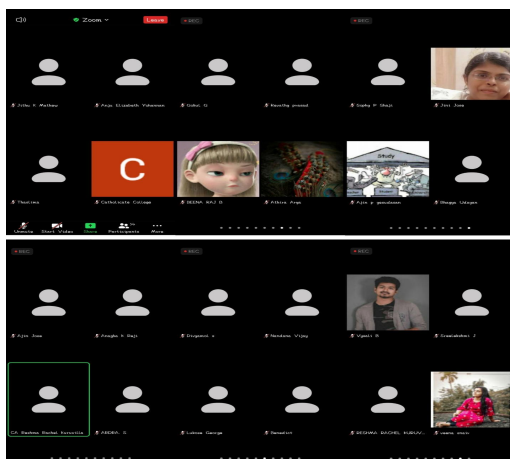
ENTREPRENEURSHIP, RESEARCH METHODOLOGY AND IPR SEMINARS

Entrepreneurship In LED Lighting And Business – 2021

The fifth session of the 30 hour certificate course on Entrepreneurship in LED Lightning Business was conducted on 23rd October, 2021 through Zoom platform. The resource person of the session was C.A Reshma Rachel Kuruvila, Assistant Professor, Department of Commerce, Bishop Choolaparambil Memorial College, Kottayam. The session began at 10.45 AM and dealt with the topic- “An Introduction to Business”. The two hour session was successful in providing an overview about business and the tips to become a good businessman. 15 students of Bishop Choolaparambil Memorial College, Kottayam actively attended and the session was really informative and fruitful to all.

Main points discussed in the session were the following:

- What is business?
- Intellectual property rights and types
- Patents and types
- Project plan preparation
- Types of firm registration
- Compliances for business
- Methods to raise funds for business
- Financial management principles
- Marketing tips
- Government assistance

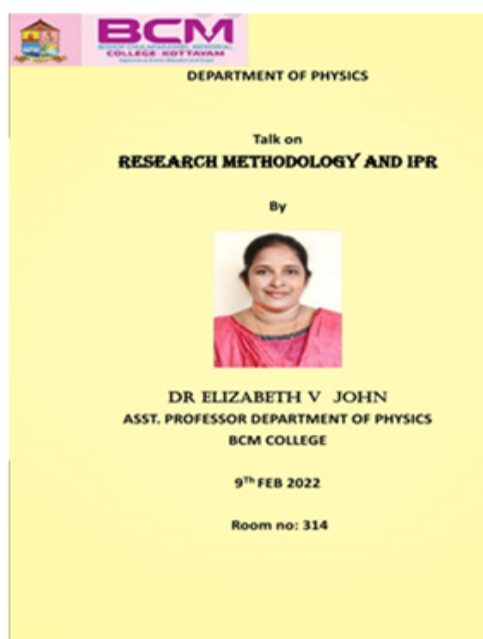


PARTICIPANT LIST

| SI NO | Name of the participant | Year of study |
|-------|-------------------------|---------------|
| 1. | Aisha Sali S | II DC Phyics |
| 2. | Ansu Sabu | II DC Phyics |
| 3. | Divyamol S | II DC Phyics |
| 4. | Elsa Rose | II DC Phyics |
| 5. | Jyothilakshmi D | II DC Phyics |
| 6. | Lakshmi Ps | II DC Phyics |
| 7. | Nandhana Manoj | II DC Phyics |
| 8. | S.Amritakrishna | II DC Phyics |
| 10. | Sneha Surendran | II DC Phyics |
| 11. | .Anagha K Reji | III DC Phyics |
| 12. | Jithu K Mathew | III DC Phyics |
| 13. | Keertana V | III DC Phyics |
| 14. | Nandana Vijay | III DC Phyics |
| 15 | Sreelakshmi Vh | III DC Phyics |

Research Methodology and IPR

Dept. of Physics organised a seminar on the topic "Research Methodology & IPR" on 9th February, 2021 for 3rd DC students. Research Methodology is often a challenging subject for the students. The seminar provides training and support to the student's research project. The seminar was taken by Dr. Elizabeth V John, Asst. Professor, Dept. of Physics, BCM College. The seminar was very fruitful and energetic. After the presentation, Dr. Elizabeth V John took over to provide a brief summary of the presentation and answered the questions of the participants



PARTICIPANT LIST

| SI NO | NAME OF THE PARTICIPANT | YEAR OF STUDY |
|-------|-------------------------|---------------|
| 1 | Akshaya Jeenraj | 3DC |
| 2 | Carmel Rose Benny | 3DC |
| 3 | Devika K Sunil | 3DC |
| 4 | Devendu M Dipukumar | 3DC |
| 5 | Mariya Susan Lal | 3DC |
| 6 | Megha Anil | 3DC |
| 7 | Nandhana Vijay | 3DC |
| 8 | Susan T Chacko | 3DC |
| 9 | Akhila G Nair | 3DC |
| 10 | Anagha K Reji | 3DC |
| 11 | Anna Treesa Saji | 3DC |
| 12 | Brilla Johnson | 3DC |
| 13 | Fathima Sulthana | 3DC |
| 14 | Ginatamol PJ | 3DC |
| 15 | Jithu K Mathew | 3DC |
| 16 | Kavya K S | 3DC |
| 17 | Keertha V | 3DC |
| 18 | Neeraja K Shaji | 3DC |
| 19 | Rona Roy | 3DC |
| 20 | Sreelakshmi V H | 3DC |

SUBJECT ENRICHMENT PROGRAMMES

World Asteroid Day - June 30

June 30 is globally observed as asteroid day. Its aim is to raise awareness about asteroids and what can be done to protect our Earth from catastrophic events. “Defending earth from asteroids adlive 2021”, with this theme of world asteroid day 2021, our mission is to inspire, engage, and educate the public about asteroid opportunities and risks.

Our department also celebrated World Asteroid Day by conducting a seminar on “*Asteroids in large numbers are approaching Earth*”. We also conducted an interdepartmental painting competition “*Come let’s Sketch the Galaxy*”



World Space Week Observance 2021

World Space Week is the largest annual space event in the world. The week helps build up the workforce of tomorrow by inspiring students; demonstrates visible public support for the space programme; educates the public about space activities; and fosters international cooperation in space outreach and education.

The Department of Physics in association with Breakthrough Science Society, Baselius College, Kottayam and KG College. Pampady organised a webinar on “*Space Exploration – A Window To The Universe*”. Anand Shankar O.T, Scientist, VSSC, ISRO, Thiruvananthapuram) was the resource person for the webinar. All students from the department actively participated in the programme.

WORLD SPACE WEEK OBSERVANCE 2021
ORGANISED BY : Breakthrough Science Society
Kottayam Chapter
IN ASSOCIATION WITH : BISHOP CHULAPARAMBIL MEMORIAL COLLEGE
KOTTAYAM
Baselius College Kottayam, K G College Pampady

Webinar On
**"SPACE EXPLORATION
- A WINDOW TO THE
UNIVERSE "**

SATURDAY
OCTOBER 9, 2021
3:00 pm

YOUTUBE
<https://youtu.be/PwH4tQeVbBw>


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

WORLD SPACE WEEK OBSERVANCE 2021
Organised by Breakthrough science
society kottayam chapter

PROGRAM CHART

Welcome speech Dr. Smitha Joseph,
Head, Department of
Physics
BCM College Kottayam

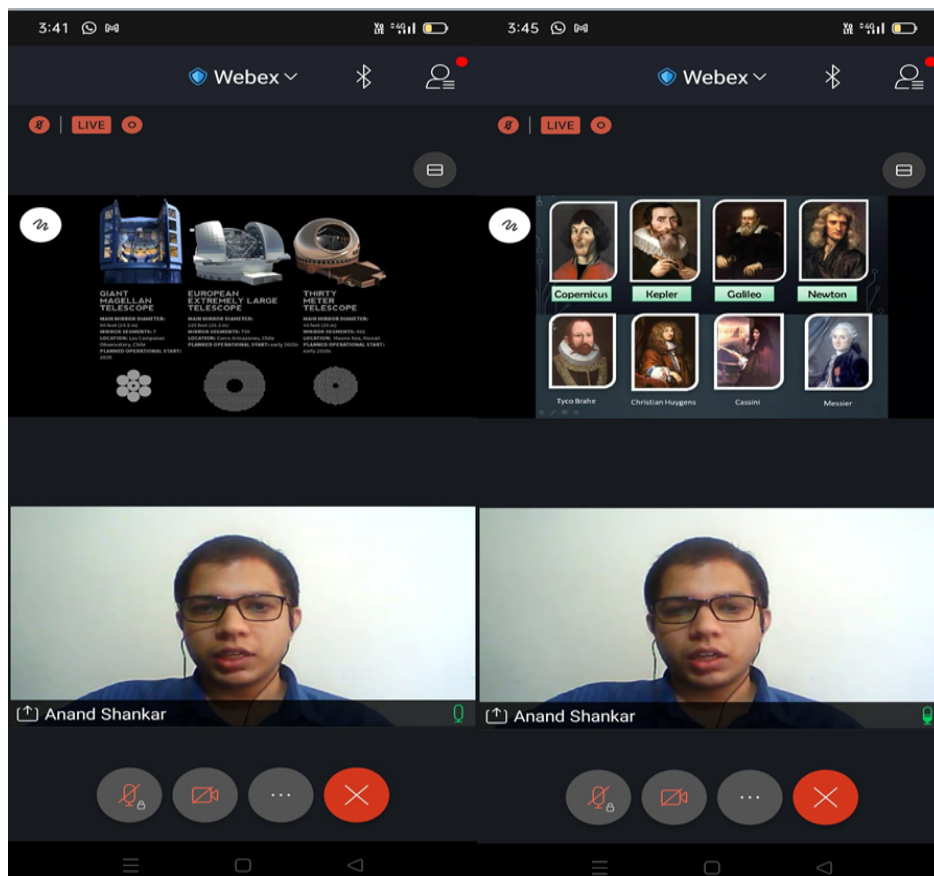
Inaugral address Dr. Stephy Thomas, Principal,
BCM College, Kottayam

Felicitation Prof. P. N Thankachan,
General Secretary,
Breakthrough Science Society

Anand Shankar O.T,
Scientist, VSSC, ISRO,
Thiruvananthapuram

Q&A Session

Vote of Thanks Akhila G Kair,
3rd DC BSc
Physics



PARTICIPANT LIST

| Name of the participant | Institution | Designation |
|-------------------------|-----------------------|-------------|
| Nandhana Manoj | Bcm college kottayam | Student |
| Divyamol S | BCM College Kottayam | Student |
| Ananya Raju | BCM College Kottayam | Student |
| SNEHA SURENDRAN | BCM COLLEGE KOTTAYAM | Student |
| S. Amrithakrishna | BCM College, Kottayam | Student |
| Jyothilakshmi D | BCM college Kottayam | Student |

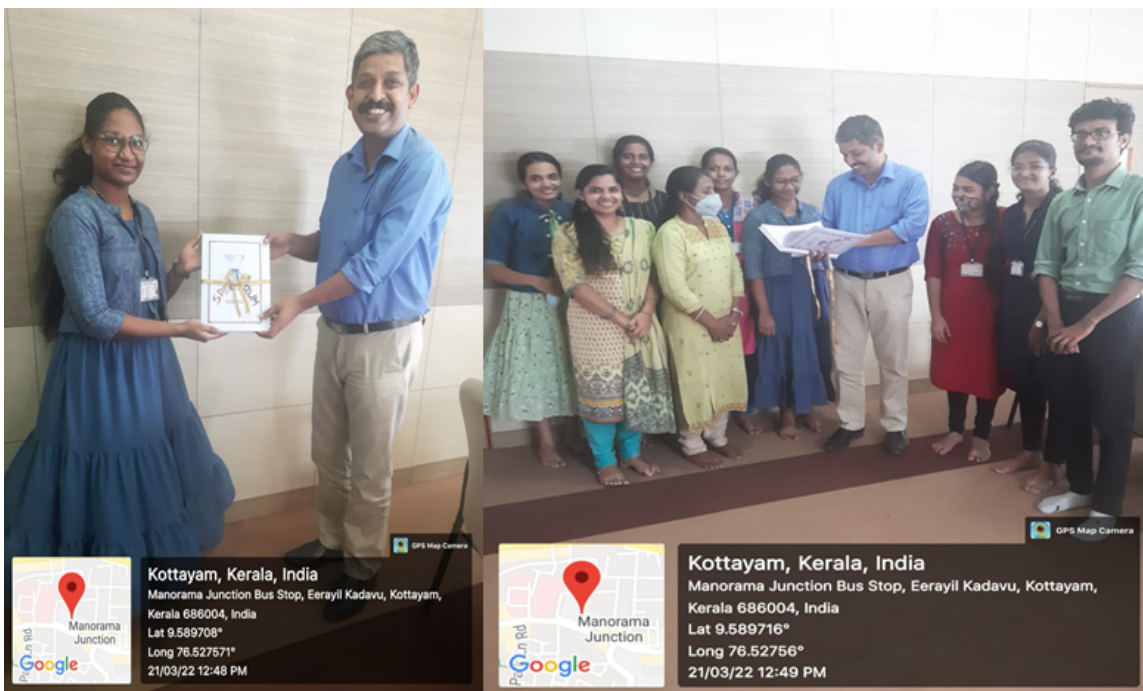
| | | |
|-----------------------|------------------------------|---------|
| Eva Elizabeth | BCM College, Kottayam | Student |
| Elsa rose kw | BCM College, Kottayam | Student |
| Susan T Chacko | BCM college Kottayam | Student |
| Mitra Vinda S Kumar | BCM college Kottayam | Student |
| Ansu Sabu | BCM college Kottayam | Student |
| Dr.Anisha Mary Mathew | Baselius College,Kottayam | Faculty |
| Athira Aniyachan | BCM College Kottayam | Student |
| Nandana Vijay | BCM College Kottayam | Student |
| Anagha K Reji | BCM College, Kottayam | Student |
| Mariya Susan Lal | BCM College, Kottayam | Student |
| Keerthana. V | BCM college Kottayam | Student |
| Ashithamol S Kumar | BCM College, Kottayam | Student |
| Jithu K Mathew | BCM College, Kottayam | Student |
| Sreelakshmi VH | BCM college Kottayam | Student |
| Dr. Sindu Jones | Baselius College | Faculty |
| Lakshmi | BCM college | Student |

| | | |
|-------------------------|--|---------|
| DEVIKA K SUNIL | BCM college Kottayam | Student |
| Ginta mol pj | BCM college | Student |
| Treesa K Devasia | B.C.M college, kottayam | Student |
| Kavya K S | BCM | Student |
| Rajalakshmi R | K G College Pampady | Student |
| Rohit Pratap Nair | Baselius College, Kottayam | Student |
| Archa K Biju | Kuriakose Gregorios College | Student |
| AUGUSTINE J EDAKKARA | St Thomas College Palai | Faculty |
| Atheena Jain | Baselius College Kottayam | Student |
| Binil K Korah | Baselius College, Kottayam | Student |
| Anakha.R | Baselius College Kottayam | Student |
| Devaja V | Baselius College,Kottayam | Student |
| Sumina MS | Baselius College | Student |
| Aswathy | Bcm College kottayam | Student |
| P S Adarsh | K G College Pampady | Student |
| Rinsa Merin Roy | Kuriakose Gregorios College,Pampady | Student |
| Neha P R | Baselius College, Kottayam | Faculty |

| | | |
|----------------------|---|---------|
| Physics | Baselius college Kottayam | Student |
| Irene Elsa Cherian | Baselius college | Student |
| Haripriya P Nair | Baselius College Kottayam | Student |
| Dr.Aparna Thankappan | Baselius College, Kottayam | Faculty |
| Revathy S | Baselius College Kottayam | Student |
| Zen Thomas George | Kuriakose Gregorius College Pamapady | Student |
| Anakha Ajikumar | Baselious college Kottayam | Student |
| Joel B George | Baselius College Kottayam | Student |
| Harikrishna | KG College pampady | Student |
| Dr Anit Elizabeth | Kuriakose Gregorios College Pampady | Faculty |
| Ammu K Reji | BCM college Kottayam | Student |
| Shalu Mariam George | Kuriakose Gregorios College, Pampady | Student |
| Rona Roy | BCM college Kottayam | Student |
| Fathima Sulthana | BCM College, Kottayam | Student |

MANUSCRIPT MAGAZINE

To promote the extracurricular talents of Physics students, the association released a manuscript magazine. It reflected the feelings and ideas of our students. The hand-written magazine named “SPECTRUM 2021- 22” was released by our Respected Principal Dr. Stephy Thomas. The magazine includes short stories, poems, drawings, scientific articles etc. It is a proof of how the department encourages the overall development of the students.



ALUMNI ACTIVITIES

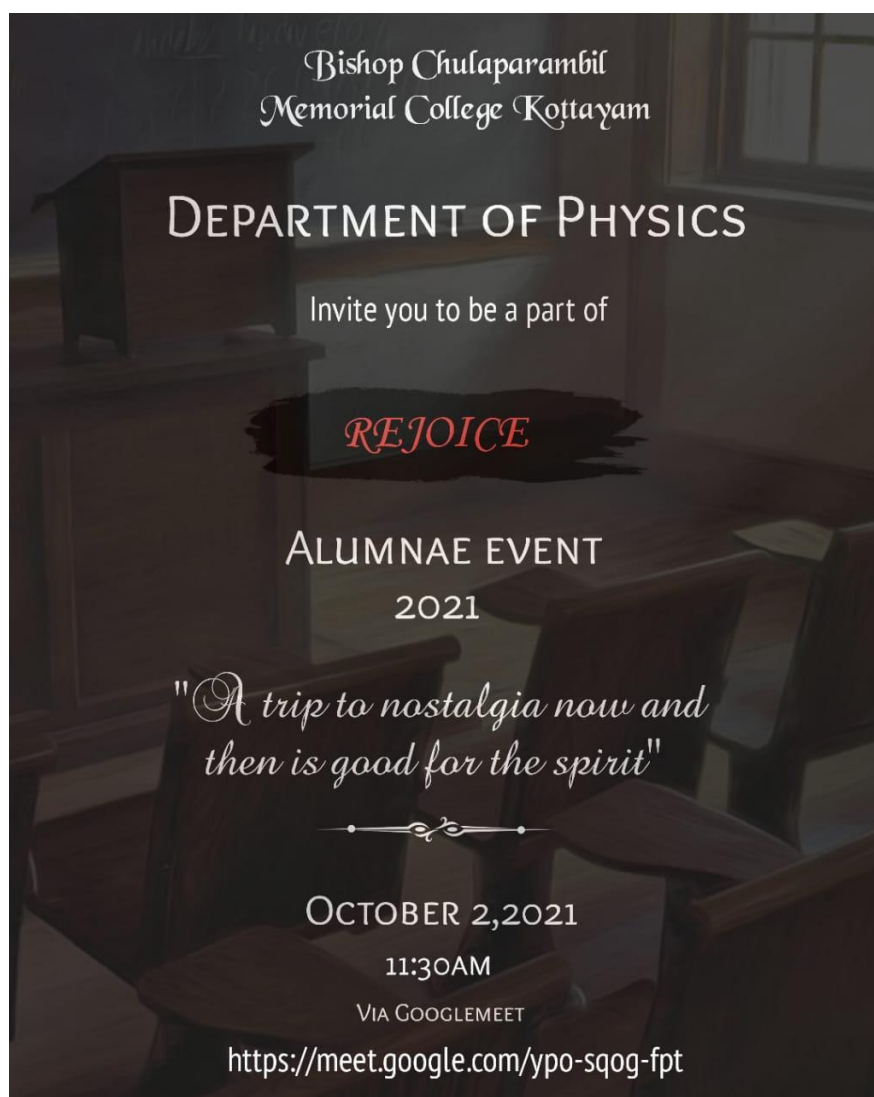
Alumni Contribution

The alumni of the Department of Physics donated ₹65,000 for refurbishing the 3rd DC classroom with a new smartboard. The smart board is fitted in room 314. This enriched the learning experience of the students. This was the need of the hour as students are coming back to the classrooms after 18 months of online studying

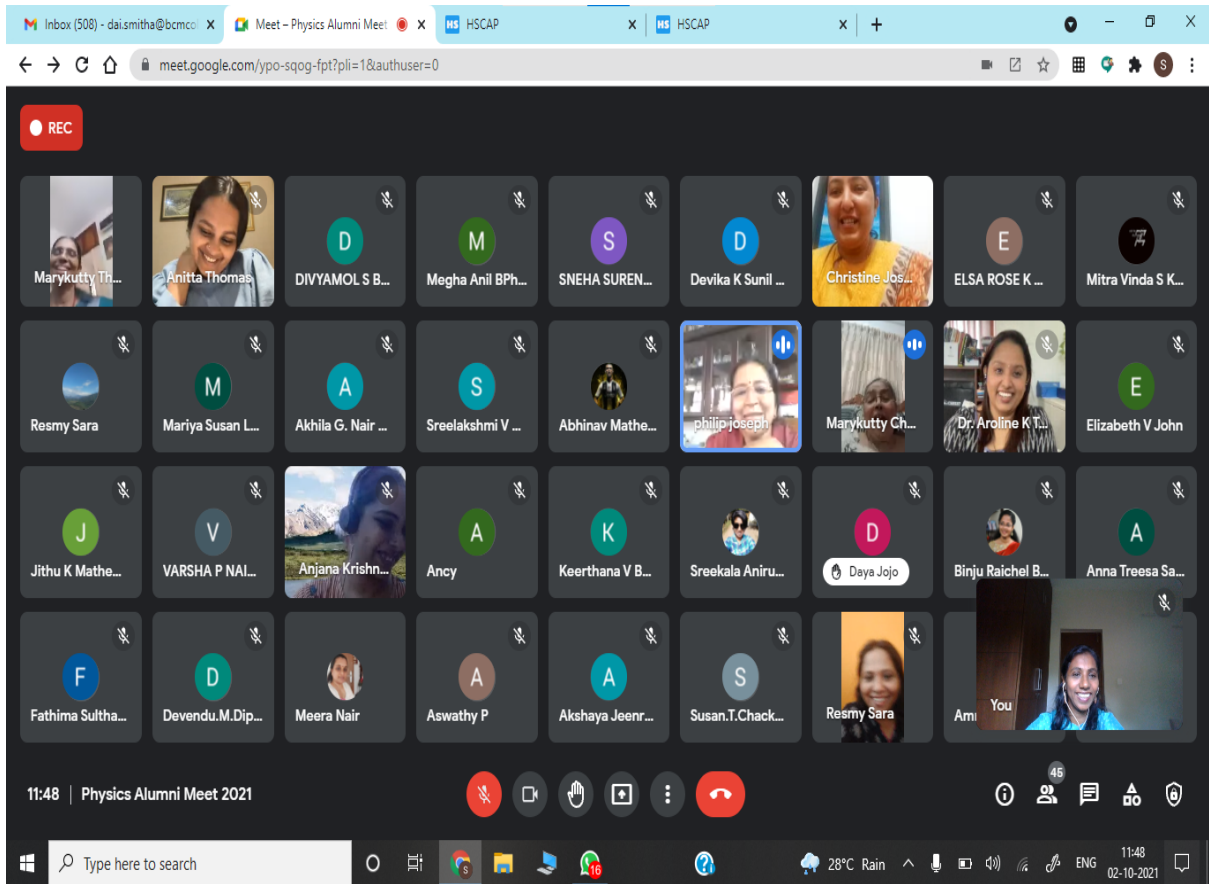


Alumni Meet – October 2021

Following the practice of previous years, this year's Alumni meet named “REJOICE” was conducted on October 2, 2021 via Google meet. The event started at 11:30 AM with a prayer song. Later the welcome speech was given by the Head of the Department, Dr. Smitha Joseph followed by a dance performance by the 3rd DC students. Our former Vice Principal and HOD Marykutty Miss and Susy Miss shared their memories. This was followed by a chain song by the 3rd DC students and a dance performance by our alumnae Ms. Anjali. The event came to an end at around 1:00pm with an interactive session of the alumni. They shared their memories and experiences. It was a joyful and heart-warming event.



Association Report 2021-22



STUDENT ACHIEVEMENTS

District Karate Tournament

Meenakshi Rajesh from 3rd DC Physics secured 1st position in “FEMALE KATA CHAMPIONSHIP ABOVE 16 AND UNDER 21” held at Cherthala St. Ann’s Public School auditorium on 28th November 2021. She had also secured 1st position in the “FEMALE KUMITE CHAMPIONSHIP UNDER 21 YEARS”.



Meenakshi Rajesh has also got affiliation from sports council as karate instructor. She is currently taking classes at Govt. High School Mannancherry, Govt. UP School Palluvvely and Govt. High School Kuppappuram.

Power Quiz

Harithasree S of 2nd DC English M1 Jithu K Mathew of 3rd DC secured 1st and 2nd position in the “Power Quiz 2021” conducted by Department of Physics in association with KSEB Association on 31st October 2021



Harithasree S



Jithu K Mathew




CERTIFICATE COURSES CONDUCTED BY THE DEPARTMENT

Entrepreneurship In LED Lighting Business

Department of Physics in association with Bishop Moore College, Mavelikkara, Catholocate College Pathanamthitta , Christian College Kattakkada & St.Johns College Agra organised a 30hours “*Certificate Course On Entrepreneurship In Led Lighting Business*”. Various students from the department participated in the course. There were 5 classes in total each dealing with various aspects related to LED manufacturing and business, including a 3 hours practical session.

| Date | Topic | Class taken by |
|------------|---|--|
| 18/09/2021 | Introduction To Diodes & Its Applications | Prof. Javeesh Alex, |
| 27/09/2021 | An Introduction to LED | Dr.D. Sajan |
| 02/10/2021 | Types, Practical Applications & Requirement Tools for LED | Dr. D Sajan |
| 09/10/2021 | Introduction To Entrepreneurship | C A Reshma Rachel Kuruvila |
| 23/10/2021 | Introduction to Business | C A Reshma Rachel Kuruvila |
| 05/11/2021 | Practical Session on LED Assembling | Mr..Athul Krishna V D & Mr. Ashish V J |

**Guru Angad Dev
Teaching Learning
Centre**
S.G.T.B. Khalsa College
University of Delhi





सत्यमेव जयते
Ministry of Education
Government of India

Govt. of India
Pandit Madan Mohan
Malaviya National
Mission on Teachers and
Teaching (PMMMNMTT)

**30 Hours Certificate Course on
Entrepreneurship in LED Lighting Business**
17 Sep-06 Nov 2021

In collaboration with
Bishop Moore College Mavelikara
Catholocate College Pathanamthitta
Bishop Chulaparambil Memorial College Kottayam
Christian College Kattakkada & St. John's College Agra

Prof.A.K. Bakhshi
Vice-Chancellor, PDM
University, Haryana
Chairman, GAD-TLC




Prof. K.V. BhanuMurthy
Professor, DTU
Vice-Chairman
GAD-TLC

Prof. Jaswinder Singh
Principal,
SGTB Khalsa College
Director, GAD-TLC

Dr. Vimal Rarh
Project Head &
Joint Director
GAD-TLC

The Program is designed for UG/PG students and Research Scholars, who wish to launch their small & medium size business in LED Light products and who wish to benefit from the High-potential LED products' opportunity.

**Guru Angad Dev
Teaching Learning
Centre**
S.G.T.B. Khalsa College
University of Delhi





सत्यमेव जयते
Ministry of Education
Government of India

Govt. of India
Pandit Madan Mohan
Malaviya National
Mission on Teachers and
Teaching (PMMMNMTT)

PARTICIPANTS FROM BCM COLLEGE

| Name | Name Of College | Department | Year Of Study |
|-----------------|----------------------|------------|--------------------|
| Aisha Sali S | Bcm College Kottayam | Physics | 2 nd Dc |
| Ansu Sabu | Bcm College Kottayam | Physics | 2 nd Dc |
| Divyamol S | Bcm College Kottayam | Physics | 2 nd Dc |
| Elsa Rose | Bcm College Kottayam | Physics | 2 nd Dc |
| Jyothilakshmi D | Bcm College Kottayam | Physics | 2 nd Dc |
| Lakshmi Ps | Bcm College Kottayam | Physics | 2 nd Dc |
| Nandhana Manoj | Bcm College Kottayam | Physics | 2 nd Dc |
| S.Amritakrishna | Bcm College Kottayam | Physics | 2 nd Dc |
| Sneha Surendran | Bcm College Kottayam | Physics | 2 nd Dc |
| Devika S | Bcm College Kottayam | FACS | 2 nd Dc |
| Riya Reji | Bcm College Kottayam | FACS | 2 nd Dc |
| Akhila G Nair | Bcm College Kottayam | Physics | 3 rd Dc |
| Anagha K Reji | Bcm College Kottayam | Physics | 3 rd Dc |
| Jithu K Mathew | Bcm College Kottayam | Physics | 3 rd Dc |
| Keertana V | Bcm College Kottayam | Physics | 3 rd Dc |
| Nandana Vijay | Bcm College Kottayam | Physics | 3 rd Dc |
| Megha Anil | Bcm College Kottayam | Physics | 3 rd Dc |
| Sreelakshmi VH | Bcm College Kottayam | Physics | 3 rd Dc |

Introduction To Computation Using Python

The Department of Physics organised a certificate course on ***“Introduction To Computation Using Python”***. The course started from 15th February 2022 and helps students to gain experience in programming and prepare them for the rapidly changing corporate world. Mr Vinayak Vinod, lecturer at Department of Physics serves as the resource person for the course. Students from various departments are actively attending the class.



BCM College Kottayam
Bishop Chalaparambil Memorial College

DEPARTMENT OF PHYSICS
OFFERS
CERTIFICATE COURSE ON
**INTRODUCTION
TO
COMPUTATION
USING PYTHON**

Interested students please
register in the following link
on or before 09 Feb 2022

REGISTRATION >

<https://forms.gle/2c76RWRFV8V45IC7>

MORE INFO
Contact: 9496280028

COURSE FEES Rs 750 /-

PARTICIPANT LIST

| Name of the Student | Department | Year of Study |
|------------------------|-------------|--------------------|
| Smitha Joseph | Physics | Faculty |
| Dona Elizabeth Joshy | Mathematics | 1 st DC |
| Jyothika K | Mathematics | 1 st DC |
| S Amrithakrishna | Physics | 2 nd DC |
| Nandhana Manoj | Physics | 2 nd DC |
| Keerthana V | Physics | 3 rd DC |
| Akhila G Nair | Physics | 3 rd DC |
| Amala Anna Rajesh | Mathematics | 1 st DC |
| Mitra Vinda S Kumar | Physics | 1 st DC |
| Aswathy P | Physics | 1 st DC |
| Sneha Sabu | Physics | 1 st DC |
| Aleena Mariya Santhosh | Physics | 1 st DC |
| Ammu K Reji | Physics | 1 st DC |
| Athira Aniyachan | Physics | 1 st DC |
| Chinthu Sukumar | Chemistry | Faculty |
| Anagha K Reji | Physics | 3 rd DC |
| Nandana Vijay | Physics | 3 rd DC |
| Selmitha | Mathematics | 1 st DC |
| Sreelakshmi AM | Mathematics | 1 st DC |
| Sreelekshmi MDas | Mathematics | 1 st DC |
| Amina K Ansari | FACS | 1 st DC |

| | | |
|---------------------|-------------|--------------------|
| Ananya Venu | FACS | 1 st DC |
| Gayathri S | Mathematics | 1 st DC |
| Geetha R | Physics | 1 st DC |
| Ansu Sabu | Physics | 2 nd DC |
| Ganga R Nair | Physics | Faculty |
| Treesa K Devasia | Physics | 1 st DC |
| Josiya George | Physics | 1 st DC |
| Adithya P | Mathematics | 1 st DC |
| Carolin Achu Chacko | Mathematics | 1 st DC |
| Meenakshi Rajesh | Physics | 3 rd DC |

PARTICIPATION IN INTERCOLLEGIATE/INTERDEPARTMENTAL COMPETITIONS


| Date | Competitions | Name of the student | Position Secured | Year of Study | Conducted By |
|------------|--|--|--------------------------|--|--|
| 04/02/2022 | World CANCER Day – Digital Poster Making Competition | Sneha Surendran | 3 rd Position | 2 nd DC | Dept of English & Women Cell , BCM College |
| 11/03/2022 | All Kerala Intercollegiate Physics Quiz Competition | Group1 -Aswathy P, Josiya George, | Participation | 1 st DC | St. Thomas College, Pala |
| | | Group2 -Treesa K Devasia , Aswani Santhosh | | 1 st DC 2 nd DC | |
| 26/11/2021 | Bishop Vayalil Memorial All Kerala Inter Collegiate | Treesa K Devasia , | Participation | 1 st DC | Alphonsa College, Pala |

| | | | | | |
|------------|---|-------------------------------------|--------------------------|--------------------|---------------------------------|
| | Quiz Competition | Aswathy P | | | |
| 02/02/2022 | State Level Essay Writing Competition in connection with World Wetlands Day | Ammu K Reji Mitra Vinda S Kumar | Participation | 1 st DC | St.Stephen's College, Uzhavoor |
| 27/02/2021 | All Kerala Intercollegiate Science Quiz Competition | Mariya Susan Lal , Anagha K Reji | Participation | 3 rd DC | Govt.College ,Kottayam |
| 18/08/2021 | Hindi Essay Writing Competition | Nandana Vijay | 2 nd Position | 3 rd DC | Baselius College |
| 05/06/2020 | Environment Quiz | Mariya Susan Lal | 2 nd position | 3 rd DC | Dept. of Economics ,BCM College |

INTERCOLLEGIATE COMPETITIONS CONDUCTED

Slogan Writing Competition

On National Doctors Day, the Department of Physics conducted a slogan writing competition on the topic "Doctors Assault". Ashamol P.S from 3rd DC History won the 1st position. Asbiliya S Nair from 2nd DC English and Anitta Sunny from 3rd DC Mathematics secured 2nd and 3rd positions respectively.

 **BISHOP CHULAPARAMBIL MEMORIAL COLLEGE, KOTTAYAM** 1/2
DEPARTMENT OF PHYSICS

1july
NATIONAL DOCTORS DAY

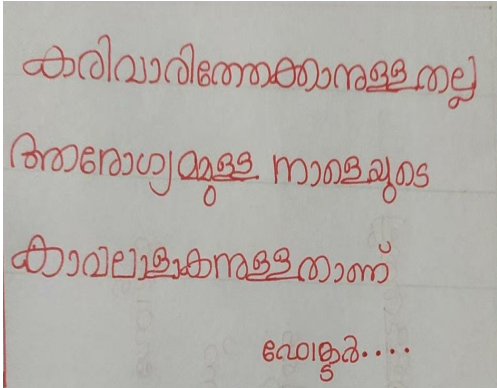
INTERDEPARTMENTAL SLOGAN WRITING COMPETITION

TOPIC: DOCTOR'S ASSAULT

DEADLINE:30/6/2021

Send your entries to
Whatsapp
6282772481
or
Email:
icm@gmail
.com

PRIZE WINNING SLOGANS

| Name of the student | Slogan | Position Secured |
|---------------------|--|--------------------------|
| Ashnamol P S |  | 1 st Position |
| Asbiliya S nair | <ul style="list-style-type: none"> • Their rendered service is worth your life • Let your throat raise the voice, not to assault their faults, but to praise their service | 2 nd Position |
| Sr. Anitta Sunny | <p>കരുതും കരങ്ങൾ കരുതീടാം..... കണ്ണീർ തടുക്കാം കാവലേകാം.... Join our hands to Save the doctors who Save our Life... Pledged to heal the lives through service A doctors smile is a hope for the patient</p> | 3 rd Position |

PARTICIPANT LIST

| SL.NO | NAME OF THE PARTICIPANT | DEPARTMENT |
|-------|-------------------------|-----------------|
| 1. | Ashnamol P S | BA History |
| 2. | Sethulakshmi K.B | BSc Computer |
| 3. | Anitta Sunny | BSc Mathematics |
| 4. | Sonam Maria Saju | BSc Botany |
| 5. | Sreenidhi Raj R | BSc Zoology |
| 6. | Rehna Raju | BSc Botany |
| 7. | Amrutha Surendran | BA Sociology |
| 8. | Thabeetha.P.Thomas | BA Sociology |
| 9. | Asniyah V Abubacker | BA English M1 |
| 10. | Asbiliya S Nair | BA English |
| 11. | Elizabeth Joseph | BA English |
| 12. | Parvathi B L | FSQC |

Inter-departmental Recitation Competition

An interdepartmental recitation competition was conducted on behalf of Teachers Day. Students from various departments actively participated in it. Nandhana Manoj (2nd Dc Physics), Elizabeth Joseph (2nd DC English) and Ananya Raju(2nd DC Physics) secured 1st , 2nd and 3rd positions respectively.

BISHOP CHULAPARAMBIL MEMORIAL COLLEGE, KOTTAYAM
DEPARTMENT OF PHYSICS
 Organises
INTERDEPARTMENTAL RECITATION COMPETITION
In connection with TEACHERS DAY

"Let us remember: One book, one pen, one child and one teacher can change the world."

GUIDELINES:-

1. Participants must send a video of reciting a poem, expressing the respect to teachers.
2. The poems can be of any language.
3. The video should not exceed 5 minutes.
4. Register via the google form provided.
5. Mail your entries to physbcm@gmail.com
6. Entries are accepted till 12-09-2021
7. The winners will be awarded with e-certificates.
8. For any queries, contact:- 9497805739

PARTICIPANT LIST

| SL No | Name of the participant | Department |
|-------|-------------------------|------------|
| 1 | Nandhana Manoj | Physics |
| 2 | Elizabeth Joseph | English |
| 3 | Ananya Raju | Physics |
| 4 | Adithya D | FSQC |
| 5 | Swetha Satheesh | English |
| 6 | Nitha K | Sociology |
| 7 | Meghana Ajith | Chemistry |

Intercollegiate Jalatarang & Bottle Art Competitions

As a part of the Music day celebration The Department of Physics organised various intercollegiate competitions.

In an innovative and first ever intercollegiate jalatarang competition, musical bottle art competitions were the attractive part of our celebration. Number of students from various colleges participated in the programme. Winners of these competitions were awarded with attractive prizes.

BISHOP CHULAPARAMBIL MEMORIAL COLLEGE
DEPARTMENT OF PHYSICS
Presents
RAGA
21st June WORLD MUSIC DAY
*Where Words Fails,
Music Speaks.*

BISHOP CHULAPARAMBIL MEMORIAL COLLEGE
DEPARTMENT OF PHYSICS
21ST JUNE
WORLD MUSIC DAY
RAGA
INSTRUMENTAL BOTTLE ART
₹500 First Price
Inter Collegiate Competition
*Winners will be announced on July 8 through our Instagram account @bcmphysics
*Send your Entries to: physbcm@gmail.com
More Info reach us at 7902376158

BISHOP CHULAPARAMBIL MEMORIAL COLLEGE
DEPARTMENT OF PHYSICS
21st June
WORLD MUSIC DAY
₹1K First Price
RAGA
Intercollegiate Competition
Jalatarang-Solo
More Info reach us at 7902376158
Sent your Entries to physbcm@gmail.com
Winners will be announced through our Instagram account @bcmphysics on July 8th.

BCM College Kottayam
Department of physics
RAGA
RULES AND REGULATIONS
JALATARANG
■ REGISTER THROUGH THE GOOGLE FORM PROVIDED.
■ CREATE A VIDEO OF YOU PLAYING ANY KIND OF MUSIC AND SEND IT TO OUR EMAIL ADDRESS.
■ YOU CAN USE UTENSILS/BOWLS AND WATER AS PER YOUR CONVENIENCE.
■ THE VIDEO SHOULD NOT EXCEED 25MB/3 MINS
BOTTLE ART
■ REGISTER THROUGH THE GOOGLE FORM PROVIDED
■ ANY MUSICAL INSTRUMENTS CAN BE CREATED / PAINTED ON THE BOTTLE
■ YOU CAN USE BOTTLES / PAINTS AS PER YOUR CONVENIENCE.
■ SEND AN UNEDITED PICTURE AND A VIDEO OF YOUR CREATION TO OUR EMAIL ADDRESS.
Registration starts from 16 June to 26 June
Entries accepted till July 5
Email ID : physbcm@gmail.com

PARTICIPANT LIST

| SL.NO | NAME OF THE PARTICIPANT | COLLEGE | EVENT PARTICIPATED |
|-------|-------------------------|-------------------------|-------------------------|
| 1 | Gopika B | BCM College | Bottle art & Jalatarang |
| 2 | Alka Ann Julius | Union Christian College | Bottle art & Jalatarang |
| 3 | Sruthy Lakshmy Anil | BCM College | Bottle art |
| 4 | Keerthana.m | BCM College | Jalatarang |
| 5 | Saphal John Tom | Marian College | Jalatarang |

| | | | |
|----|-----------------------|--------------------------------------|----------------------------|
| | | | |
| 6 | Mahima Susan Varghese | K G College | Jalatarang |
| 7 | Mariya angel saji | BCM College | Bottle art |
| 8 | Sachu | BCM College | Bottle art |
| 9 | Sneha Surendran | BCM College | Bottle art |
| 10 | Kavya. P. S | Gregorian Institute of technology | Bottle art |
| 11 | Sethulakshmi S Nair | SVR NSS COLLEGE | Bottle art |
| 12 | Adithya D | BCM College | Bottle art |
| 13 | Aswin shaji | | Bottle art & Jalatarang |
| 14 | Dona Jaiby | BCM College | Jalatarang |
| 15 | Thara George | BCM College | Bottle art |
| 16 | Amal Jose | RLV College of Music | Jalatarang |
| 17 | Aswani Santhosh | BCM College | Bottle art |
| 18 | Jyothika Krishna. M | BCM College | Bottle art |
| 19 | Asniyah Abubacker | Assumption College | Bottle art |
| 20 | Sruthi .S.Nair | JAIN University | Bottle art |
| 21 | Mekhana Ajith | CMS College | Bottle art |
| 22 | Sangavi | BCM College | Bottle art |
| 23 | Milu Elsa Thomas | K G College | Bottle art |
| 24 | Sweta Satheesh | BCM College | Bottle art |
| 25 | Silpa Sanil | BCM College | Bottle art |
| 26 | NIitha K | BCM College | Bottle art |
| 27 | Vishnu Mohan | Govt. Polytechnic College | Bottle art |
| 28 | Jithu K Mathew | BCM College | Jalatarang |
| 29 | Anna Treesa Saji | BCM College | Jalatarang |
| 30 | Keerthana V | BCM College | Bottle art |

WINNERS

BISHOP CHULAPARAMBIL MEMORIAL COLLEGE KOTTAYAM
DEPARTMENT OF PHYSICS
As a part of the World Music Day on 21st June, Physics Department of BCM College, Kottayam organised "RAGA"

RESULTS OF BOTTLE ART

1st
ASNIYAH V ABUBACKER
DEPARTMENT OF ENGLISH
BCM COLLEGE KOTTAYAM

2nd
SRUTHY LAKSHMY ANIL
DEPARTMENT OF ENGLISH
BCM COLLEGE KOTTAYAM

3rd
SHILPA SANIL
DEPARTMENT OF SOCIOLOGY
BCM COLLEGE KOTTAYAM

Bishop Chulaparambil memorial college Kottayam
Department of Physics
As part of world music day on 21st June, physics department of BCM college kottayam, organized "raga"

RESULTS OF JALTHARANG

1st prize
Amal Jose
RIO college of music

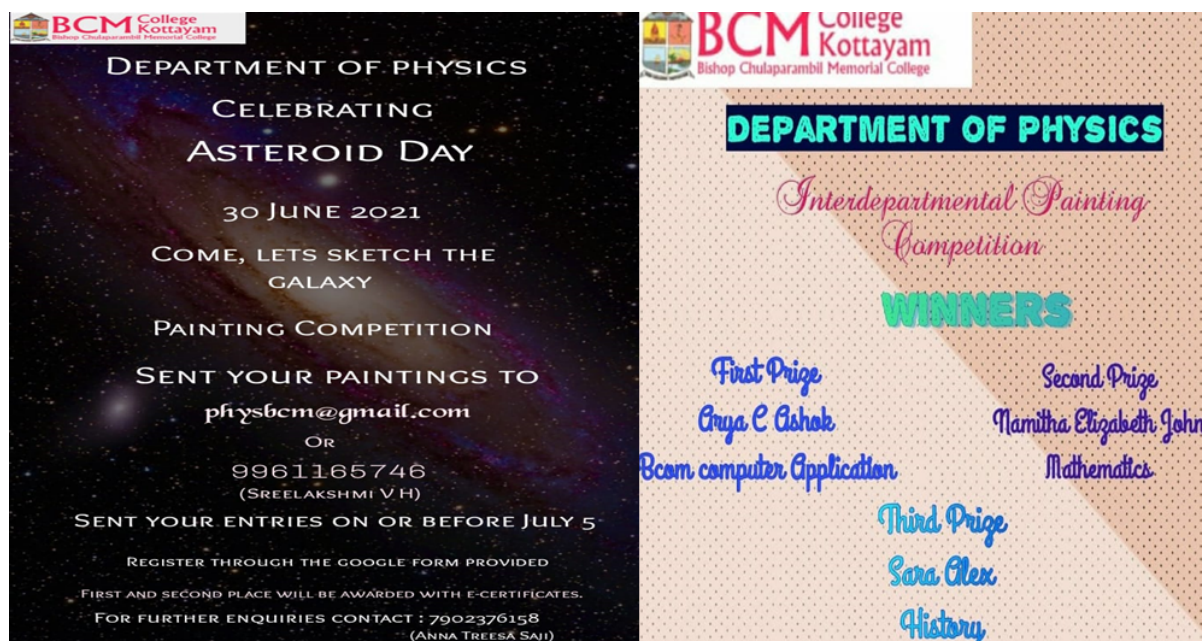
2nd prize
Aeena Mariam Thomas
MGMNC college of nursing

3rd Prize
Dona jiby
BCM college

Congratulations

Interdepartmental Painting Competition

As a part of World Asteroid Day celebration The Department of Physics organised an interdepartmental painting competition “*Come let’s Sketch the Galaxy*”. Arya C Ashok of B.Com (Computer Application), Mamitha Elizabeth John (Mathematics) and Sara Alex (History) secured the first, second and third positions respectively.



PARTICIPANT LIST

| SI.No | Name | Department |
|-------|------------------------|------------------------------|
| 1 | Arya C Ashok | Bcom computer Application SF |
| 2 | Namitha Elizabeth John | Mathematics |
| 3 | Sara Alex | History |
| 4 | Elizabeth Jomon | English |
| 5 | Mariya Angel Saji | English |
| 6 | Lakshmi R Nair | English |
| 7 | Sangavi N | English |

INTERDEPARTMENTAL COMPETITIONS/ ACTIVITIES PARTICIPATED

Naadanpaattu Competition

Students from our department have secured the second position in “Thudithaalam” naadanpaattu competition organised by NSS as a part of “Thaaimozhi – Maathrubhaasha Vaaraghosham”. Our students presented a tribal song from Attappadi. Seven students from our department participated in the competition.



തായ്മൊഴി
മാതൃഭാഷാ വാരാഘോഷം

തുടിതാളം

നാടൻപാട്ട് മത്സരം

തീയതി : 23/02/2022
സമയം : 03:30 PM
സ്ഥലം : കോളേജ് നടുമുറ്റം

നിർദ്ദേശങ്ങൾ

1. മലയാളം നാടൻപാട്ടുകൾ ആണ് ഉപയോഗിക്കേണ്ടത്.
2. ഒന്നിലധികം പാട്ടുകൾ പാടാം.
3. പാട്ടുകൾ 7 മിനുറ്റിൽ കൂടുവാൻ പാടുള്ളതല്ല.
4. പാട്ടുകൾക്ക് അനുവദിക്കപ്പെട്ട 7 മിനിറ്റും രംഗസജ്ജീകരണത്തിന് 3 മിനിറ്റും അടക്കം പരമാവധി 10 മിനിറ്റിൽ കൂടുവാൻ പാടുള്ളതല്ല.
5. ഒരു സംഘത്തിൽ കൂറാത്തത് എഴു അംഗങ്ങൾ ഉണ്ടാകണം. പരമാവധി പത്ത് അംഗങ്ങൾ ആകാം.
6. വേഷവിധാനം, രംഗസജ്ജീകരണം, വാദ്യോപകരണങ്ങളുടെ ഉപയോഗം തുടങ്ങിയവ വിധിനിർണ്ണയത്തിന് പരിഗണിക്കുന്നതാണ്.
7. മൈക്കിന്റെ ഉപയോഗം വിധിനിർണ്ണയത്തിന് പരിഗണിക്കുന്നതല്ല. എങ്കിലും ആവശ്യമുള്ളവർക്ക് ഉപയോഗിക്കാവുന്നതാണ്.
8. ഡിപ്പാർട്ട്മെന്റ് അടിസ്ഥാനത്തിലാണ് മത്സരം നടത്തുന്നത്.
9. പരിപാടിയിൽ പങ്കെടുക്കാൻ ആഗ്രഹിക്കുന്നവർ ചുവടെ കൊടുത്തിരിക്കുന്ന ഗൂഗിൾ ഫോറം പൂരിപ്പിച്ച് ഫെബ്രുവരി 21ന് വൈകിട്ട് 6 മണിക്ക് മുൻപായി രജിസ്റ്റർ ചെയ്യേണ്ടതാണ്.

<https://forms.gle/7E80Xo6cOXCMvFr96>



PARTICIPANT LIST

| SI NO | NAME OF THE PARTICIPANT | YEAR OF STUDY |
|-------|-------------------------|---------------|
| 1 | Akshaya Jeenraj | 3DC |
| 2 | Anna Treesa Saji | 3DC |
| 3 | Keerthana V | 3DC |
| 4 | Rona Roy | 3DC |
| 5 | Lakshmi P S | 2DC |
| 6 | Mithra Vinda S Kumar | 1DC |
| 7 | Sneha Sabu | 1DC |
| 8 | Janani Kanakraj | 1DC |

Participation In Thaimozhi Cultural Event

Students from the Department of Physics participated in the cultural event held at the fourth day of “Thaimozhi- Maathrubhaasha Vaaracharanam”. Keerthana V and Akshaya Jeenraj from 3rd Dc Physics and Varsha P. Nair from 2nd Dc Physics participated in “Thiruvaathira “. Akhila G Nair of 3rd DC Physics performed “Kalarippayattu”.



The poster is for BCM College Kottayam, Bishop Chulaparambil Memorial College. It features a dark red background with white musical notes and a central white text box. The text in Malayalam provides details about a cultural event. At the top, it says 'BCM College Kottayam Bishop Chulaparambil Memorial College'. Below that, it lists the organizing committee: 'ബിഷപ്പ് ചുളപ്പറമ്പിൽ മെമ്മോറിയൽ കോളേജ്, കോട്ടയം കോളേജ് യൂണിയൻ, എൻ.എസ്.എസ്., ഏക് ഭാരത് ശ്രേഷ്ഠ് ഭാരത്, മലയാളസമാജം'. The event title is 'തായ്മൊഴി' (Thaimozhi) and the dates are '2022 ഫെബ്രുവരി 21-27'. The text box contains: 'രണ്ടാം ദിനം : 2022 ഫെബ്രുവരി 22 ഹിന്ദോളം - ഹിന്ദി, മലയാള സിനിമാഗാന വഴിത്താരയിലൂടെ : വീഡിയോ അവതരണം പ്രദർശനം, ഡോ. നവീന ജെ. നരിതുകിൽ ഏക് ഭാരത് ശ്രേഷ്ഠ് ഭാരത് നേതൃത്വത്തിൽ ഓഡിറ്റോറിയത്തിൽ വെച്ച് ഉച്ചകഴിഞ്ഞ് 2.30ന്'.

SPORTS ACTIVITIES

College Team

Meenakshi Rajesh of 3rd DC Physics is a member of BCM College Basketball Team and Karate Team . She has also participated in the MG University Basketball Tournament.



ARTS FEST PARTICIPATION

Various students from the Physics department have participated in the college arts fest conducted on 18th March 2022.

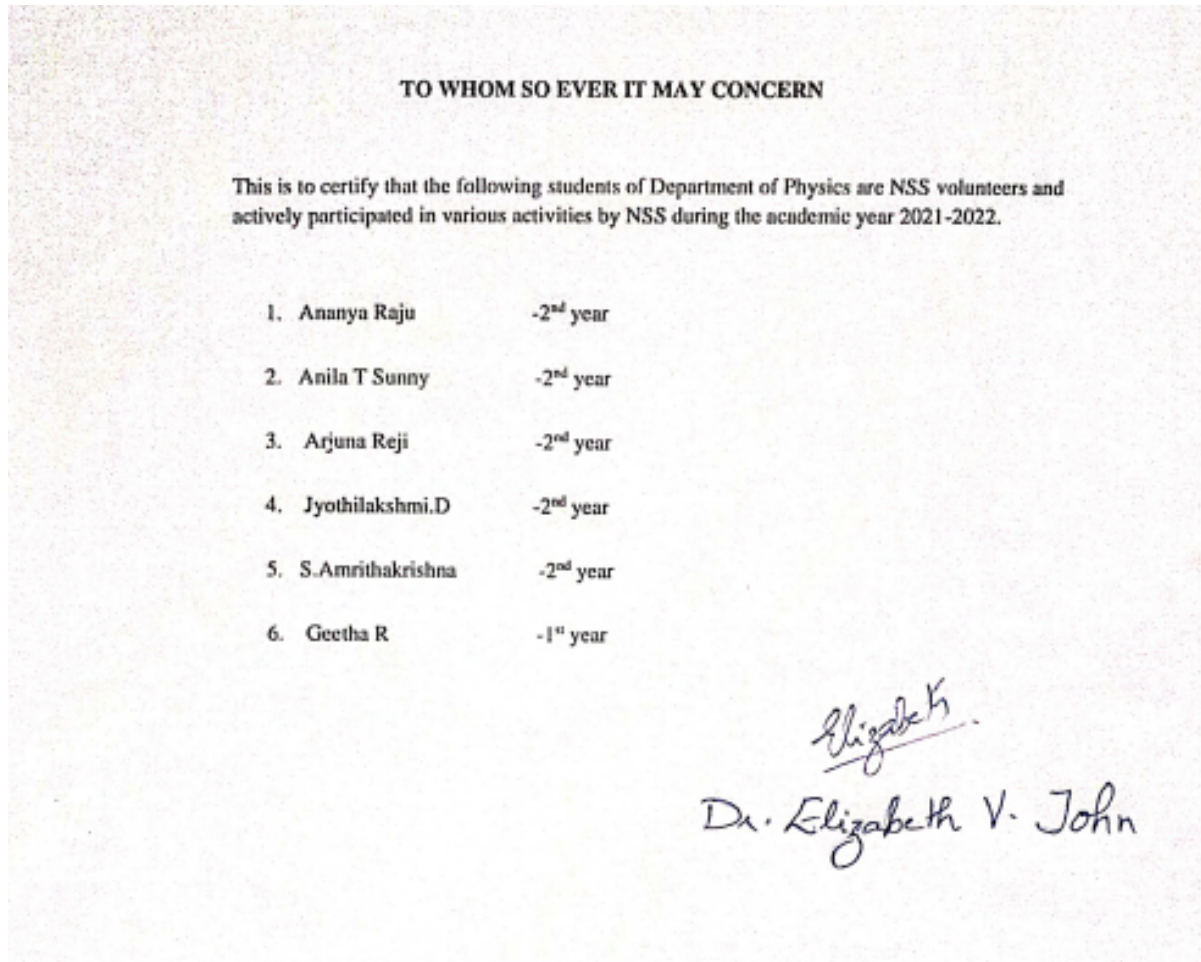
| Name of the student | Participated Event | Position | Year of Study |
|--|---------------------|----------|---------------|
| Akshay Jeeraj | Classical Music | 2nd | 3rd DC |
| Jithu K Mathew & Akshaya Jeeraj | Quiz | 2nd | 3rd DC |
| Anila T Sunny | English Recitation | 2nd | 2nd DC |
| Nandana Vijay | Hindi Essay Writing | 3rd | 3rd DC |
| Mitra Vinda S Kumar | Hindi Elocution | 2nd | 1st DC |
| Keerthana V , Maria Susan Lal, Rona Roy, Akshaya Jeeraj, Sneha Sabu, Ginta Mol P J | Group Song | 2nd | 3rd DC |



Students who won prizes in various competitions

PARTICIPATION IN NCC & NSS

NSS Participants




NCC Participants

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the following students of the Department of Physics actively participated in various activities in NCC during the academic year 2021-22

1. Meenakshi Rajesh - 3rd Year
2. Jithu K Mathew - 3rd Year
3. Sreelakshmi VH - 3rd Year
4. Akshaya Jeanraj - 3rd Year
5. Megha Anil - 3rd Year
6. Devika K Sunil - 3rd Year
7. Surya Raveendran - 3rd Year
8. Ansu Sabu - 2nd Year
9. Sneha Surendran - 2nd Year
10. Nivya Prakash - 2nd Year
11. Treesa Devasia - 1st Year
12. Megha H Karat - 1st Year
13. Josiya George - 1st Year
14. Surya G - 1st Year
15. Janani Kanakara - 1st Year

- Meenakshi Rajesh Of 3rd DC Physics has participated in Ek Bharat Shreshth Bharat and Inter Battallion Camp. She also got selected for SNIC Lakshadweep and Army attached camps, but the camps were cancelled due to Covid restrictions.
- Meenakshi Rajesh, Jithu K Mathew, Sreelakshmi VH, Akshaya Jeanraj, Megha Anil, Surya Raveendran of 3rd DC passed the B certificate examination.



Lt. Dr. REEJA P.S.
NCC/07310078
Associate NCC Officer
5 Kerala Str's NCC (SW) Army Wing
BCM College, Kottayam-686 001



FREESHIPS/SCHOLARSHIPS

Lisa Korah Endowment

Lisa Kora Endowment for six eligible outgoing students eligible for higher studies were awarded as follows.

| SI.NO | Name of the Student | Amount(Rs) |
|-------|----------------------|------------|
| 1. | Alfia Aboobakkar | 10,000 |
| 2. | Bittu Elssa Thomas | 10,000 |
| 3. | Safalya Surendran | 10,000 |
| 4. | Devika T L | 10,000 |
| 5. | Malavika Prabhakaran | 10,000 |
| 6. | Anila Augustine | 10,000 |

भारतीय स्टेट बैंक
State Bank Of India

(14369) - KALATHIPADY
XVII/139, PARAYIL BUILDINGS KALATHIPADY, VADAVATHOOR P. O.
KOTTAYAM 686010
Tel: 481-2576790 IFS Code: SBIN0014369

कैल 3 महिने के लिए वैध / VALID FOR 3 MONTHS ONLY
23122021
D D M M Y Y Y Y

ALFIYA ABOOBAKER
को या उनके आदेश पर OR ORDER

रुपये RUPEES Ten Thousand only
अदा करे ₹ 10,000/-

16-10-2021
16-10-2021

वा. सं. A/c No. 10585377103
VALID UPTO ₹ 10 LACS AT NON-HOME BRANCH FOR NON-CASH TRANSACTION ONLY
30177358501

SB ACCOUNT
PREFIX: 1515900017

Rebecca George
Mrs. REBECCA GEORGE

MULTI-CITY CHEQUE Payable at Par at All Branches of SBI
Please sign above

⑈ 23787⑈ 686002006⑈ 001667⑈ 3⑈

भारतीय स्टेट बैंक
State Bank Of India

(14369) - KALATHIPADY
XVII/139, PARAYIL BUILDINGS KALATHIPADY, VADAVATHOOR P. O.
KOTTAYAM 686010
Tel: 481-2576790 IFS Code: SBIN0014369

कैल 3 महिने के लिए वैध / VALID FOR 3 MONTHS ONLY
23122021
D D M M Y Y Y Y

BITTU ELSSA THOMAS
को या उनके आदेश पर OR ORDER

रुपये RUPEES Ten Thousand only
अदा करे ₹ 10,000/-

16-10-2021
16-10-2021

वा. सं. A/c No. 10585377103
VALID UPTO ₹ 10 LACS AT NON-HOME BRANCH FOR NON-CASH TRANSACTION ONLY
30177358501

SB ACCOUNT
PREFIX: 1515900017

Rebecca George
Mrs. REBECCA GEORGE

MULTI-CITY CHEQUE Payable at Par at All Branches of SBI
Please sign above

⑈ 2379⑈ 686002006⑈ 001667⑈ 3⑈

भारतीय स्टेट बैंक
State Bank Of India

(14369) - KALATHIPADY
XVII/139, PARAYIL BUILDINGS KALATHIPADY, VADAVATHOOR P. O.
KOTTAYAM 686010
Tel: 481-2576790 IFS Code: SBIN0014369

कैल 3 महिने के लिए वैध / VALID FOR 3 MONTHS ONLY
23122021
D D M M Y Y Y Y

PA MALAVIKA PRABHAKARAN
को या उनके आदेश पर OR ORDER

रुपये RUPEES Ten Thousand only
अदा करे ₹ 10,000/-

16-10-2021
16-10-2021

वा. सं. A/c No. 10585377103
VALID UPTO ₹ 10 LACS AT NON-HOME BRANCH FOR NON-CASH TRANSACTION ONLY
30177358501

SB ACCOUNT
PREFIX: 1515900017

Rebecca George
Mrs. REBECCA GEORGE

MULTI-CITY CHEQUE Payable at Par at All Branches of SBI
Please sign above

⑈ 23790⑈ 686002006⑈ 001667⑈ 3⑈

भारतीय स्टेट बैंक
State Bank Of India

(14369) - KALATHIPADY
XVII/139, PARAYIL BUILDINGS KALATHIPADY, VADAVATHOOR P. O.
KOTTAYAM 686010
Tel: 481-2576790 IFS Code: SBIN0014369

कैल 3 महिने के लिए वैध / VALID FOR 3 MONTHS ONLY
23122021
D D M M Y Y Y Y

ANILA AUGUSTINE
को या उनके आदेश पर OR ORDER

रुपये RUPEES Ten Thousand only
अदा करे ₹ 10,000/-

16-10-2021
16-10-2021

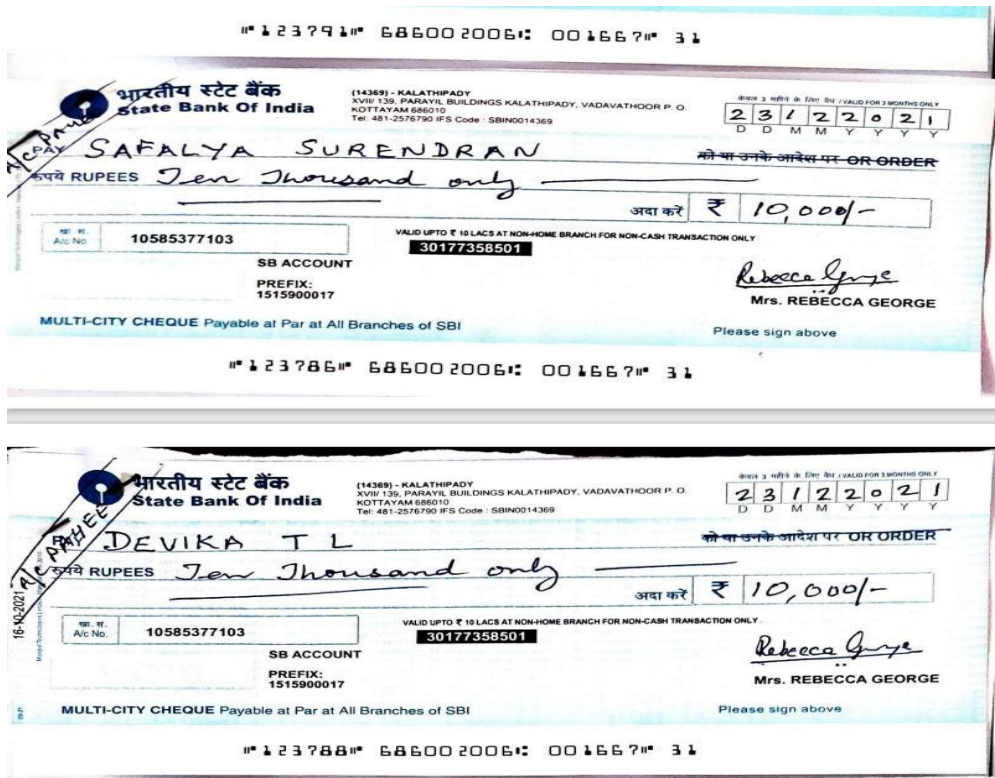
वा. सं. A/c No. 10585377103
VALID UPTO ₹ 10 LACS AT NON-HOME BRANCH FOR NON-CASH TRANSACTION ONLY
30177358501

SB ACCOUNT
PREFIX: 1515900017

Rebecca George
Mrs. REBECCA GEORGE

MULTI-CITY CHEQUE Payable at Par at All Branches of SBI
Please sign above

⑈ 23789⑈ 686002006⑈ 001667⑈ 3⑈



Students with Prof.Rebecca George

Students Receiving Scholarships

| Name of the Student | Name of Freeships / Scholarship | Amount (RS.) |
|---------------------|---|--------------|
| Anagha K Reji | Kerala State Higher Education Scholarship | 18,000 |
| Jithu K Mathew | Kerala State Higher Education Scholarship | 18,000 |
| Keerthana V | Central Sector Scholarship | 10,000 |
| Susan T Chacko | Student Development Scholarship | 2,401 |
| Athira Aniyachan | Vidyakiran, | 10,000 |
| | Kerala Motor Welfare Fund | 2,000 |
| Elsa Rose K W | Post Matric | 6,000 |

| | | |
|-----------------|----------------------------|--------|
| Ansu Sabu | Central Sector Scholarship | 10,000 |
| Sneha Surendran | Central Sector Scholarship | 10,000 |

EXTENSION ACTIVITIES

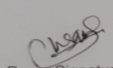

Old Age Home Visit “Shanti Bhavan”

On 17th March 2022, 1st year and 3rd year students of the Department of Physics paid a visit to an old-age home named Shanti Bhavan at Kottayam to meet and spend their time with the elderly. It was the opportunity of students to share their joy and love with them.

The inmates were very hospitable and friendly and they welcomed students with their beautiful smiles. To break the monotony of other lives, students presented a few songs, distributed sweets and engaged in chatting with the inmates. They share their grief with students which implies they were in hunger of love and to love.. They sang songs with students and broke out into laughter to show their happiness. The students gave sanitary and hygiene products to show their love towards the elderly ones. The day turned out to be fruitful and happy.



Students with Shanti Bhavan inmates

| | | |
|--|--|---|
| SHANTIBHAVAN | | PH: 2562555 |
| No. D 309 | Muttambalam, Kottayam Estd. 1940, Reg. No. 468 | Date <u>17.03.22</u> |
| Received with thanks from (Full Address) <u>B.C.M. College Physics Department.</u> | | |
| Rupees <u>Lotion, Soap, Soap powder, Dettol, Tooth Paste etc.</u> | Telephone No. | |
| Cash/Cheque being <u>cash</u> | | |
| ₹ <u>10 (Ten)</u> |  Donor Signature |  For Shantibhavan Superintendent |

Webinar On Nuclear Weapons And Its Impact

World Hiroshima Nagasaki day

Online webinar for school students

in

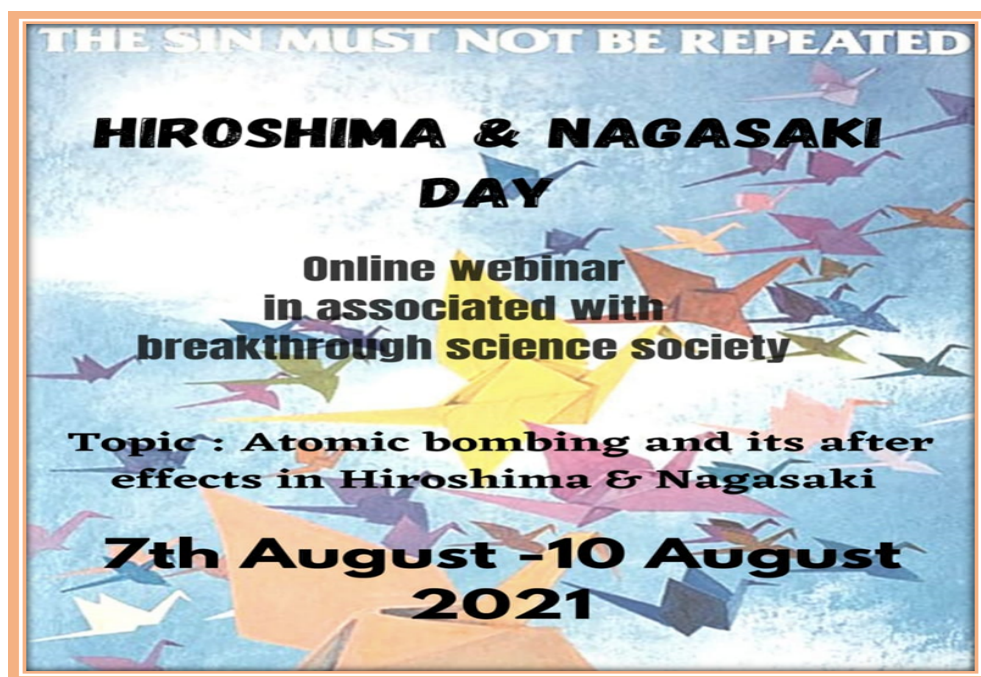
Association with

Breakthrough Science Society

Topic : “Atomic bombing and its after Effects in Hiroshima and Nagasaki”

Date : 7th August 2021-10th August 2021

Brochure of the program



OBJECTIVES






- The program aims to create awareness about atomic bombing and its after effects on humankind.
- The program aims to promote an anti-war and anti-nuclear environment on earth.

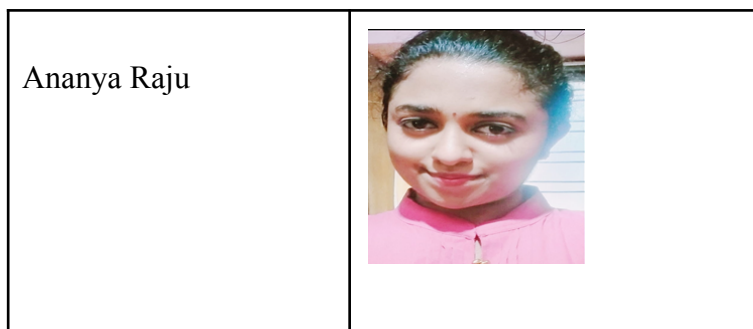
Report

Hiroshima day is observed every year to mark the anniversary of the bombing of the two Japanese cities Hiroshima and Nagasaki. As part of Hiroshima day observance the students of physics department conducted online webinars in various schools in collaboration with Breakthrough Science Society, Kottayam chapter. The aim of the program is to create awareness about nuclear weapons and its harmful effects. The program also aims to make the youth aware of the harmful impacts of war on humankind. It was a four-day program in schools and also at district level. Teachers and students of each school participated wholeheartedly. Dr. Smitha Joseph, HOD, Department of Physics coordinated the program. The following were the schedule of the online webinars and the Google Meet link :-

1. 7th August 2021, online webinar for students of St. Joseph GHSS by Ansu Sabu and Aisha.Sali.S of II DC Physics. Meet link: <https://meet.google.com/kay-mvsj-khc>
2. 8th August 2021, online webinar for students of Kaduthuruthy GHSS by Nandhana Manoj and Varsha P. Nair of II DC Physics. The webinar was conducted through Google Meet at 10.00 am. Meet link: <https://meet.google.com/ftn-ykea-egy>
3. 8th August 2021 online webinar at district level by Aisha.Sali.S and Lakshmi.P.S of II DC Physics. The webinar was through Google Meet at 5.00 pm. Meet link: <https://meet.google.com/ftn-ykea-egy>
4. 8th August 2021, online webinar for students of Muhammad Basheer HSS by Varsha.P.Nair and Ansu Sabu of II DC Physics by Varsha.P.Nair and Ansu Sabu at 7pm through Google Meet. Meet link: <https://meet.google.com/ftn-ykea-egy>
5. 9th August 2021 the webinar was conducted at Navodaya Vidyalaya by Lakshmi.P.S and Nandhana Manoj, through Google Meet at 3pm. Meet link: <https://meet.google.com/tgj-zrtj-aag>
6. On 10th August 2021 the webinar was conducted at JNV Kottayam by Ananya Raju through Google Meet at 7.30 pm. Meet link: <https://meet.google.com/kch-xivm-cwx>

Students Resource persons of the online webinar: -

| | |
|----------------|--|
| Nandhana Manoj |  |
| Varsha P. Nair |  |
| Lakshmi.P.S |  |
| Aisha Sali. S |  |
| Ansu Sabu |  |



Outcome

Students got an awareness about the nuclear weapons, wars and its impact

Certificate of Appreciation

Science for Society Science for Man Science in Thinking
**BREAKTHROUGH SCIENCE
SOCIETY**

Reg.No. KTM/TC/847/2013

27/174, Kottayam -3, Ph.9387 110 272, 9349 376 236
e mail: breakthroughkerala@gmail.com; web: www.bsskerala.org

Certificate of Appreciation

This certificate is awarded to Department of Physics, Bishop Chulaparambil Memorial College, Kottayam for their outstanding contribution in organizing and taking webinar in accordance with

1. Hiroshima Nagasaki day 2021 on 7th, 8th (3 webinar), 9th & 10th August, 2021 for the students of following schools St. Joseph Government Higher Secondary School, Kottayam, Government Higher Secondary School, Kadathuruthy, Muhammad Basheer Higher Secondary School, Vaikom and Jawahar Navodaya Vidyalaya, Kottayam.
2. Faraday Day Celebration 2021 between 24th- 27th September, 2021 for the students of following schools TVHS Muttappally, St. Josephs HSS Kottayam, Govt HSS Kaarapuzha and St Joseph's UP School Mannanam.

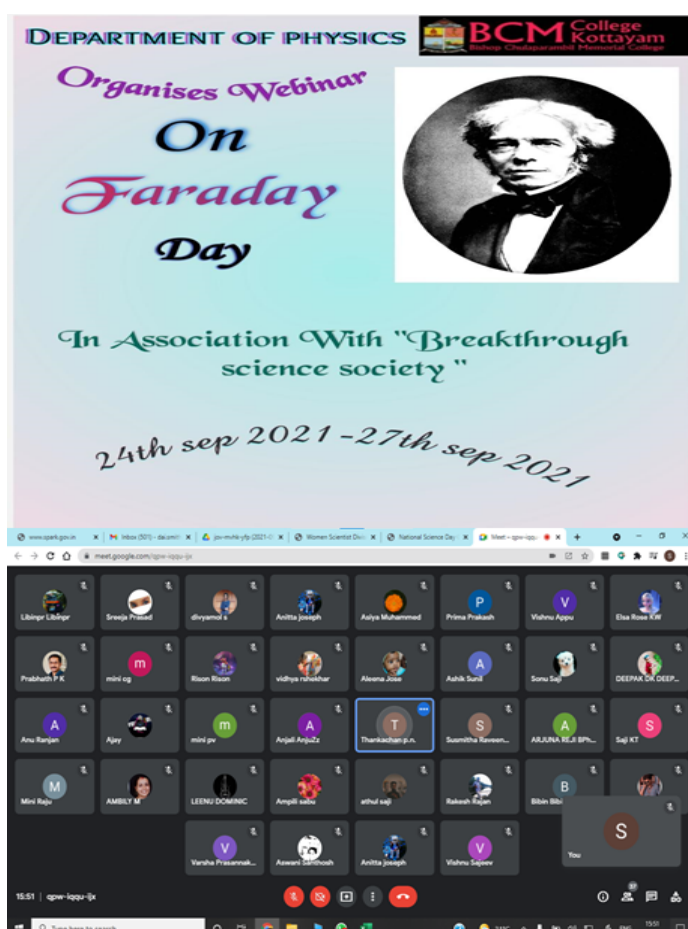


TE
Prof. P.V. THANKACHAN
(SECRETARY)

Webinar on Faraday's Day

On Michael Faraday day celebration we the Department of Physics organised webinars on various schools in collaboration with Breakthrough Science Society. It was a three day program in schools. Teachers and students participated wholeheartedly. Its aim was to educate students about the important discoveries made by Faraday. The class was conducted in the following schools.

TVHS Muttappally, St. Josephs HSS Kottayam, Govt. HSS Kaarappuzha, St Joseph's UP School Mannanam.



Students Resource persons of the online webinar: -

| No | Students participated | Year |
|----|-----------------------|----------------------|
| 1. | Arjuna Reji | 2 nd year |
| 2. | Aswani Santhosh | 2 nd year |
| 3. | Ashithamol.S.Kumar | 2 nd year |
| 4. | Divyamol.S | 2 nd year |
| 5. | Elsa Rose.K.W | 2 nd year |

| | | |
|----|--------|----------------------|
| 6. | Safa.K | 2 nd year |
|----|--------|----------------------|



Elsa Rose.K.W



Divyamol.S



Arjuna Reji



Ashithamol.S.Kumar



Safa.K

Certificate of Appreciation

Science for Society Science for Man Science in Thinking
BREAKTHROUGH SCIENCE SOCIETY

Reg.No. KTM/TC/847/2013

27/174, Kottayam -3, Ph.9387 110 272, 9349 376 236
e mail: breakthroughkerala@gmail.com; web: www.bsskerala.org

Certificate of Appreciation

This certificate is awarded to Department of Physics, Bishop Chulaparambil Memorial College, Kottayam for their outstanding contribution in organizing and taking webinar in accordance with

1. Hiroshima Nagasaki day 2021 on 7th, 8th (3 webinar), 9th & 10th August, 2021 for the students of following schools St. Joseph Government Higher Secondary School, Kottayam, Government Higher Secondary School, Kadathuruthy, Muhammad Basheer Higher Secondary School, Vaikom and Jawahar Navodaya Vidyalaya, Kottayam.
2. Faraday Day Celebration 2021 between 24th- 27th September, 2021 for the students of following schools TVHS Muttappally, St. Josephs HSS Kottayam, Govt HSS Kaarapuzha and St Joseph's UP School Mannanam.



TE
Prof. P.N. THANKACHAN
(SECRETARY)

INNOVATIVE/UNIQUE PROGRAMMES

National Science Day

IN ASSOCIATION WITH THE ACADEMY OF PHYSICS TEACHERS, KERALA

Every year National Science Day is celebrated on the 28th of February in remembrance of the famous Indian physicist Sir C V Raman. This year we had also focused on the main theme of National Science Day 2022, “Integrated Approach in Science and Technology for a Sustainable Future. Our department had organised a talk on Integrating Science: Intelligence to Artificial Intelligence by Dr. K B Jinesh (IIST, Trivandrum) and Semiconducting Supramolecular Architectures for Solar Light Harvesting by Dr. Ajith R Mallia (SB College, Changanassery).

The event started at 10:00 AM at Sr. Savio hall with a prayer song by Keerthana V of 3rd DC, followed by the welcome address by our HoD, Dr. Smitha Joseph. The session was inaugurated by our principal Dr. Stephy Thomas. The event came to an end at about 1:00 PM by the felicitation by Dr. Elizabeth V John and vote of thanks by Akhila G Nair of 3rd DC. Around 65+ participants attended the session including students and teachers of various colleges. It was an informative and erudite session.



The poster for National Science Day Celebration 2022 is organized by the Department of Physics at BCM College, Kottayam. It features two speakers: Dr. KB Jinesh from IIST, Thiruvanthapuram, and Dr. Ajith R Mallia from SB College, Changanacherry. The event is supported by the Academy of Physics Teachers, Kerala, and is held on 28 February 2022 from 09:00 AM to 12:30 PM at Sr Savio Hall.

BCM College Kottayam
Bishop Chulaparambil Memorial College

DEPARTMENT OF PHYSICS
ORGANISES
NATIONAL SCIENCE DAY
CELEBRATION 2022

Supported By Academy Of Physics Teachers, Kerala

28 FEBRUARY 2022
09:00 AM TO 12:30 PM
Venue: Sr Savio Hall

SPEAKERS

Dr.KB Jinesh
IIST, THIRUVANTHAPURAM

TITLE:
Integrating Science :
Intelligence To Artificial
Intelligence

Dr.Ajith R Mallia
SB COLLEGE
CHANGANACHERRY

TITLE:
SEMICONDUCTING
SUPRAMOLECULAR
ARCHITECTURES FOR SOLAR
LIGHT HARVESTING

REGISTRATION: <https://forms.gle/pj5EqCdye9bAYW6J9>

PARTICIPANT LIST

| NATIONAL SCIENCE DAY CELEBRATION | | | | | | |
|---|----------------------|--------------|-----------------------------|---|-----------|--|
| MINISTRY OF EDUCATION - DATE: 28-02-2022 | | | | | | |
| K. J. Somaiya Institute of Engineering & Information Technology | | | | | | |
| Name of the student | Class | Phone number | e-mail id | College | Signature | |
| 1. Pratik S. Patil | 12 th Std | 9422942291 | pratik.patil@kjsiet.ac.in | K. J. Somaiya Institute of Engineering & Information Technology | | |
| 2. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 3. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 4. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 5. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 6. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 7. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 8. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 9. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 10. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 11. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 12. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 13. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 14. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 15. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 16. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 17. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 18. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 19. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 20. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 21. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 22. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 23. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 24. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 25. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 26. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 27. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 28. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 29. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 30. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 31. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |
| 32. Anshu D. Chavan | " | 9921514111 | anshu.d.chavan@kjsiet.ac.in | " | | |

Physicist Of The Day

Our department initiated a program to develop knowledge about physicists named “*Physicist Of The Day*”. Students prepared a template about a physicist and circulated it on an online platform. As a physics student, it helped to increase awareness about various physicists and their discoveries.



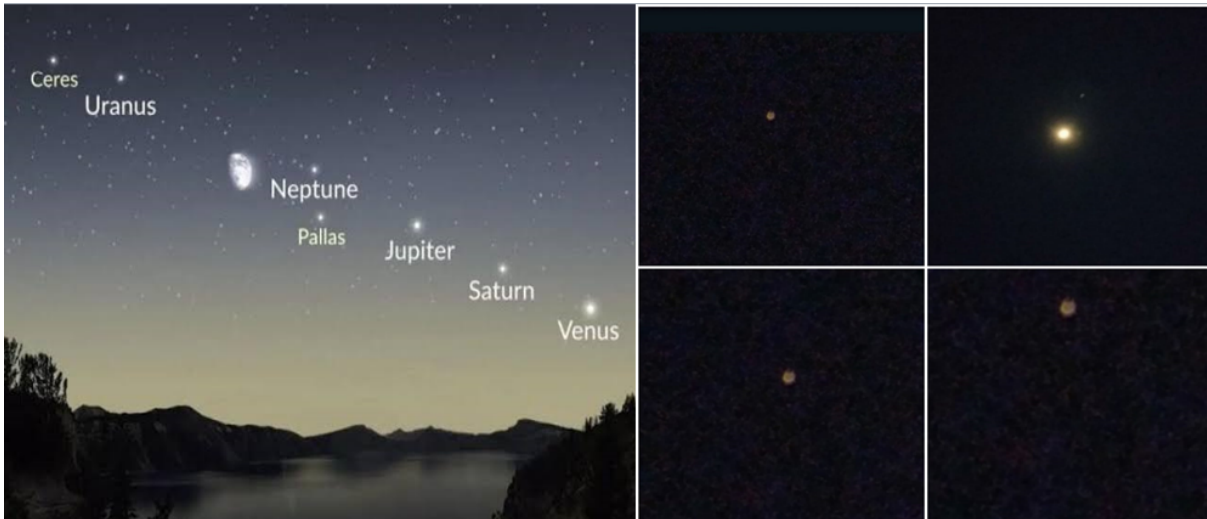
Congratulations to Dr. Smitha Joseph

The Department of Physics has organised a congratulation ceremony for our beloved H.O.D Smitha Joseph for achieving her PhD in “Design & Characterisation of Rare Earth Based Magneto-resistance Materials”. The event was conducted via Google Meet on 01/07/2021.



Sky Watch - Parade of Planets

The parade of planets is a rare celestial event in which the Moon will align with a number of planets including Venus, Saturn and Jupiter on December 12. No telescopes were required to witness this rare phenomenon as it will be visible to the naked eye. It was a wonderful experience for the students of the Department of Physics to see the alignment of planets along with their families. Most of the students were able to see, except a few who were not able to see due to bad weather.



PROGRAMMES FOR SLOW/ADVANCED LEARNERS

Peer Learning

For helping academically weaker students, a peer learning section was conducted for first, second and third years. For this students were divided into different groups and each group had a meet section where they discussed various topics. The sessions were very effective as students helped each other to learn.



PARTICIPANT LIST

Study group of 3rd DC students

| 2021 - 22 | | | | | |
|-----------|----------------------|--|-----------------------|---------|-----------------|
| Sl. No | Student | Topics Covered | Month | Signal | |
| | Ana Anusa Raji | Free electron Theory | October | | Miss |
| | Bulla Johnson | Nuclear Transmutation | October (10/10/2021) | | Miss |
| 1 | Akhaya Jeevaj | General Theory of Relativity | October (10/10/2021) | Miss | |
| 2 | Carmital Poo Benny | | | Miss | |
| 3 | Devika K. Sunil | Thermal & Statistical Physics - Entropy, Maxwell's Equations | November (29/11/2021) | Miss | Miss |
| 4 | Maniyaswaran Lal | | | Miss | |
| 5 | Memabeki Rajesh | Solid State Physics - Superconductivity | December (13/12/2021) | Miss | Miss |
| 6 | Ovendu M. Dipu Kumar | Thermodynamic relations | January 01-11-2021 | Teacher | Miss |
| 1 | Megha Anil | Nuclear Physics Particle Accelerators | October (6/10/2021) | Miss | |
| 2 | Nandana Vijay | | | Miss | |
| 3 | Siva T. Chacko | Molecular spectroscopy | November (29/11/2021) | Miss | |
| 4 | Surya Dasandhan | Thermodynamic laws | December (13/12/2021) | Miss | |
| 5 | Akhila G. Naik | | | Miss | |
| 6 | Anagha K. Reji | Atomic spectroscopy | January (31/1/2021) | Miss | Miss |
| | Ana Anusa Raji | Free electron Theory | October (10/10/2021) | | Miss |
| | Bulla Johnson | Nuclear Transmutation | October (10/10/2021) | | Miss |
| | Jana A. H | Atomic spectroscopy | November (29/11/2021) | | Miss |
| | Jathonia Suthana | | December (13/12/2021) | | Miss |
| | Jyotamal P. J | Thermodynamic relations | January (31/1/2021) | | Miss |
| | Jithu K. Mathew | | | | Miss |
| | Kavya K.S | Semiconductors | October (10/10/2021) | | Miss |
| | Keethana V | Crystal structure | November (29/11/2021) | | Miss |
| | Naraja K. Raji | Nuclear structure | December (13/12/2021) | | Miss |
| | Rona Ray | Solid state Physics Superconductivity | January (31/1/2021) | | Miss |
| | Sreelakshmi V. H | | | | Miss |

Study group of 2nd DC students

| 20 | | 2021- '22 | |
|----|---------------------|--|--|
| 1 | Aisha Sali S | Voltage multiplier (10/10/2021) | |
| 2 | Ananya Raju | Rectifier transistor biasing (29/11/2021) | 1. Nitya Prakash |
| 3 | Anita T. Sunny | Clippers Clamper (13/12/2021) | Rectifier transistor biasing (11/10/2021) |
| 4 | Ansu Sabu | Feedback, Q-point (31-1-2022) | 2. S Anusithakrishna |
| 1 | Arjuna Reji | Voltage Regulator (11/10/2021) | |
| 2 | Ashithamol S. Kumar | Filter circuit, Thermal runaway (29/11/2021) | 3. Saja K |
| 3 | Aswari Santhosh | voltage multiplier, amplifier (13/12/2021) | Filter circuit, thermal runaway (29/11/2021) |
| 4 | Divya mol S | Transistor biasing (31/1/2022) | |
| 1 | Eba Ravi K R | Rectifier, transistor biasing (11/10/2021) | 4. Sneha Surendran |
| 2 | Ipthilakshmi D | Filter circuit, Thermal runaway (29/11/2021) | voltage regulator (13/12/2021) |
| 3 | Lakshmi PS | clippers, clamper, oscillator (13/12/2021) | feedback, Q-point |
| 4 | Nandhana Manoj | feedback Q-point, DC load line (31/1/2022) | 5. Varsha P. Nair |
| | | | DC loadline (31/1/2022) |

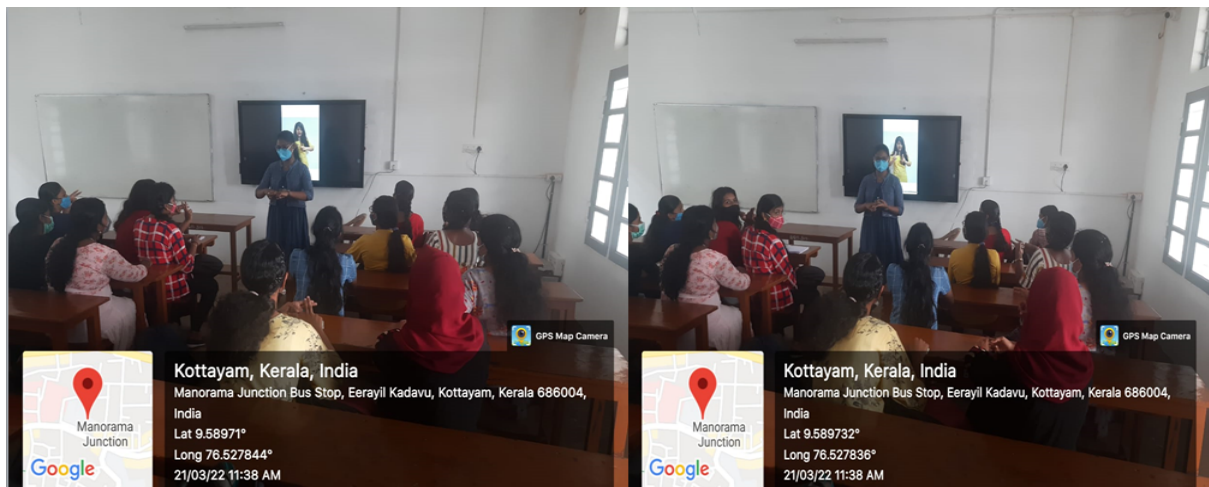
Study group of 1st DC students

| 12 | | 2021-2022 | |
|-------|-----------------------|------------|----------------------------------|
| Group | Student's Name | Date | Topic |
| 1 | Amrith K. Reji | 10/10/2022 | Angular Acceleration |
| | Athira Aniyachen | 14/6/2022 | Moment of inertia |
| | Aswanthy P | 17/5/2022 | Conservation of angular momentum |
| | Geetha B | | |
| 2 | Josiyar George | 10/10/2022 | Modules |
| | Mithra Vinda S Kumar | | |
| | Sneha Sabu | 4/2/2022 | Relation Connection EC |
| | Sanya G | 17/5/2022 | Non-uniform Bending |
| 3 | Aleena Maria Santhosh | 10/10/2022 | THEORIES OF MT |
| | Jomni Kanakasaj | | |
| | Deeba H Kavat | 4/6/2022 | Modules of elasticity |
| | Breha Francis | 17/5/2022 | Non-uniform bending. |
| | Treesa K Devasia | | |

PROGRAMMES FOR DIVYANGAN

Sign Language Class

Deaf students often feel left out because they cannot communicate effectively with their peers. To remedy this and to raise awareness about the needs of differently abled, Ms. Nandana Vijay of 3rd DC conducted an interactive session teaching students the Indian sign language on 21st March 2022, 11.30 AM. The objective was to enable students to communicate effectively with their differently abled peers and to bridge the communication gap, thus making the campus more inclusive and equitable



ACTIVITIES TO PROMOTE CONSTITUTIONAL VALUES & HUMAN RIGHTS

Field Study - The Causes and Effects of Different Types of Pollutions

Fulfilling responsibilities towards the country gives a sense of ownership for the country. Being a good citizen of the country, we should protect our mother nature, reduce the wastage of electricity, water, natural resources, public property, etc. Responsible citizenship is an important factor in developing a country's identity and civic awareness that can lead to political, social and economic stability. We, as citizens, are accountable for the good or bad situation of the nation. We need to shift our attention into action to procure positive impacts on our community and country.

Under Article 51A of Indian Constitution, it is the fundamental duty of all citizens to *“To protect and improve the natural environment including forests, lakes, rivers, wildlife and to have compassion for living creatures”* and *“To develop the scientific temper, humanism, and the spirit of inquiry and reform”*. In order to inculcate these constitutional values among students, the third year students of the Department of Physics did a case study on the impact of pollution in their locality. Thorough study on the causes of their identified polluted area was done and the ways to mitigate the effect was discussed. The field study was successful in making the students aware of the ways of pollution and to take necessary steps not to be a part of such hazardous causes.



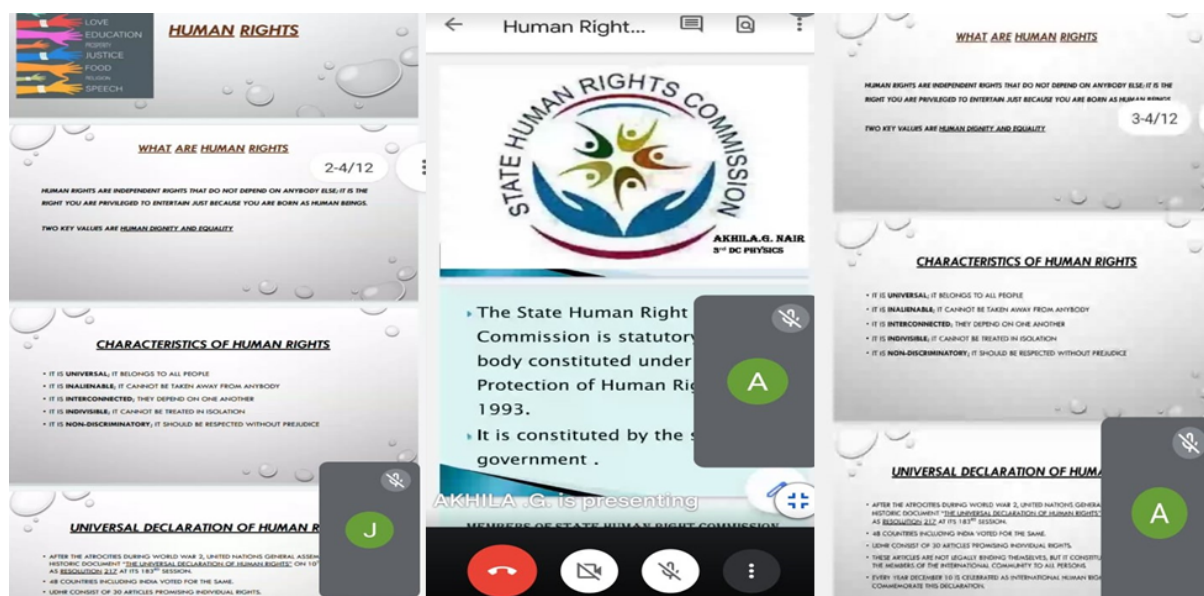
PARTICIPANT LIST

| SI NO | NAME OF THE PARTICIPANT | YEAR OF STUDY |
|-------|-------------------------|---------------|
| 1 | Akshaya Jeenraj | 3DC |
| 2 | Carmel Rose Benny | 3DC |
| 3 | Devika K Sunil | 3DC |
| 4 | Devendu M Dipukumar | 3DC |
| 5 | Mariya Susan Lal | 3DC |
| 6 | Megha Anil | 3DC |
| 7 | Nandhana Vijay | 3DC |
| 8 | Susan T Chacko | 3DC |
| 9 | Akhila G Nair | 3DC |
| 10 | Anagha K Reji | 3DC |
| 11 | Anna Treesa Saji | 3DC |
| 12 | Brilla Johnson | 3DC |
| 13 | Fathima Sulthana | 3DC |
| 14 | Ginatamol PJ | 3DC |
| 15 | Jithu K Mathew | 3DC |
| 16 | Kavya K S | 3DC |
| 17 | Keerthana V | 3DC |
| 18 | Neeraja K Shaji | 3DC |
| 19 | Rona Roy | 3DC |
| 20 | Sreelakshmi V H | 3DC |

Human Rights Seminar

Human rights are the moral principles or norms for certain standards of human behaviour and international laws. In India, they are guaranteed in the form of Fundamental Rights in the Constitution and statutes such as Protection of Human Rights Act, 1993.

To increase the awareness among students, our department has organised a seminar on Human Rights on the 21st of July 2021. The class was conducted by the 3rd DC students via Google Meet. It started at about 9:30 AM. All the 2nd DC and 3rd DC students attended the session. It was an informative session giving us the basic ideas of our rights.



PARTICIPANT LIST

| NAME OF THE PARTICIPANT | YEAR OF STUDY |
|-------------------------|---------------|
| Akshaya Jeenraj | 3DC |
| Carmel Rose Benny | 3DC |
| Devika KSunil | 3DC |
| Devendu M Dipukumar | 3DC |
| Mariya Susan Lal | 3DC |
| Megha Anil | 3DC |
| Nandhana Vijay | 3DC |
| Susan T Chacko | 3DC |
| Akhila G Nair | 3DC |
| Anagha K Reji | 3DC |
| Anna Treesa Saji | 3DC |
| Brilla Johnson | 3DC |
| Fathima Sulthana | 3DC |

| | |
|--------------------|------|
| Ginatamol PJ | 3DC |
| Jithu K Mathew | 3DC |
| Kavya K S | 3DC |
| Keerthana V | 3DC |
| Neeraja K Shaji | 3DC |
| Rona Roy | 3DC |
| Sreelakshmi V H | 3DC |
| Aisha Sali S | 2 DC |
| Ananya Raju | 2 DC |
| Anila T Sunny | 2 DC |
| Ansu Sabu | 2DC |
| Arjuna Reji | 2 DC |
| Ashithamol S Kumar | 2 DC |
| Aswani Santhosh | 2 DC |
| Divyqmol S | 2 DC |
| Elsa Rose Kw | 2 DC |
| Jyothilakshmi D | 2 DC |
| Lakshmi Ps | 2 DC |
| Nandhana Manoj | 2 DC |
| Nivya Prakash | 2 DC |
| S. Amrithakrishna | 2 DC |
| Safa K | 2 DC |
| Sneha Surendran | 2 DC |
| Varsha P Nair | 2 DC |

Malala Day –July 12

July 12 is dedicated to celebrating Malala Yousafzai, the young activist from Pakistan. Malala was shot by Taliban insurgents while she was on her way to school in 2012. Later, the United Nations declared July 12, Malala's birthday, as World Malala Day in honour of the young education and women's rights activist. The day is observed to make an appeal to world leaders that they ensure compulsory and free education for every child in their country, regardless of gender.

On this day we organised an interdepartmental speech competition on the topic ***“The Need to Rise Against the Use of Women and/as Commodities”***.



PARTICIPANT LIST

| Sl No | Name | Department |
|-------|---------------------|------------|
| 1 | Elizabeth Joseph | English Mi |
| 2 | Kesiyah Anna Mathai | English M1 |
| 3 | Sneha Surendran | Physics |

| | | |
|---|------------------------|-----------|
| 4 | Anaina Tigi | Sociology |
| 5 | Gourilakshmi R Nair | Chemistry |
| 6 | Nandhana Manoj | Physics |



Hiroshima and Nagasaki Day – Aug 9

On 9th August 2021, our department commemorated the Hiroshima & Nagasaki day by conducting an interdepartmental origami making competition for students to spread the awareness of science towards peace. **Origami**, (*ori meaning "folding", and kami meaning "paper"*) is the art of paper folding. Origami Competition was conducted to develop the imagination and creative skills amongst students. The competition was judged on different measures like neatness, presentation and creativity. The spectators were amazed to see the transformation of a flat sheet of paper into a finished sculpture through folding and sculpting. Students created unique and exclusive shapes and structures to showcase their finesse in paper craft. They made houses, fan, fish, flower, boat, butterfly, dog, bird etc. and displayed them with great pleasure. Overall, students participated enthusiastically in the competition.

BCM College Kottayam
Bishop Chulaparambil Memorial College

DEPARTMENT OF PHYSICS
CELEBRATES

**INTERDEPARTMENTAL ORIGAMI
MAKING COMPETITION**

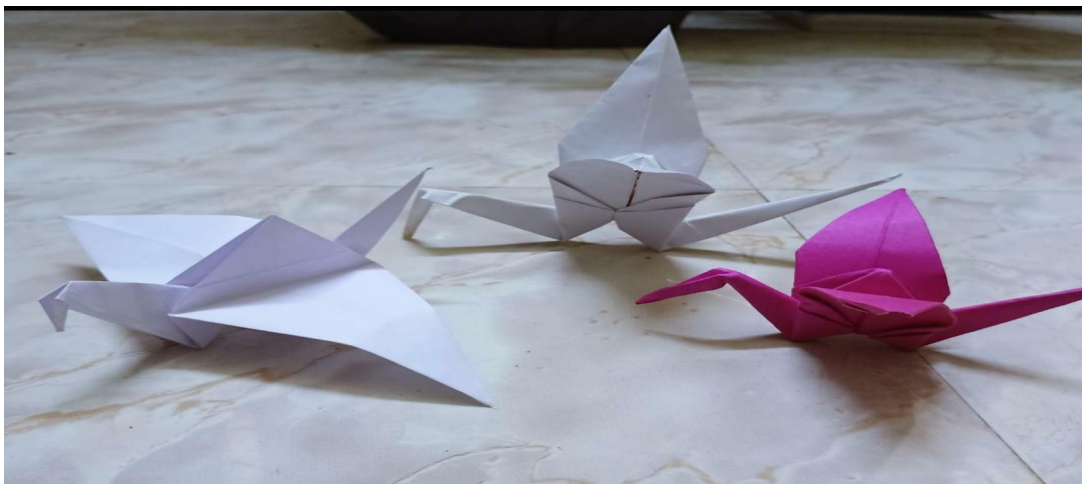
Theme : Paper cranes and Peace

**In relation to
Hiroshima And Nagasaki Day**

Submit on or before
15th August 2021

For Queries Contact :
9074756989

Send your entries to :
physbcm@gmail.com



PARTICIPANT LIST

| SI NO | Name of the participant | Department |
|-------|-------------------------|------------------|
| 1. | Elizabeth Joseph | English M1 |
| 2. | Princy J | Computer Science |
| 3. | Snha Sabu | B.Com |
| 4 | Neethu Raju | Zoology |

Anti-Dowry Pledge

Dowry Prohibition Act, Indian law, enacted on May 1, 1961, intended to prevent the giving or receiving of dowry. Under the Dowry Prohibition Act, dowry includes property, goods, or money given by either party to the marriage, by the parents of either party, or by anyone else in connection with the marriage. But still there are such illegal practices of dowry and there are many girls who lose their lives due to dowry issues. As a counter reaction to this deadly social evil, the students of the Department of Physics had solemnly pledged to shun any act in favour of dowry and to work towards liberating the institution of marriage from any commercial interests and stand strong against anyone who will encourage dowry. The pledge was taken during the times when dowry problems had led to the loss of lives of girls like Vismaya.



EFFORTS TO PRACTISE LINGUISTIC INCLUSIVENESS

Webinar On France And French: An Indian Encounter

The Department of Physics organised a webinar on the topic - "France and French: An Indian Encounter" on 2nd February, 2022 at 6.00 pm. The one and a half hour talk was led by Arun Philip Simon (SJ) via Google meet.

The welcome speech was delivered by Ansu Sabu, 2nd DC Physics. The Presidential address was given by Dr. Smitha Joseph, Head of the Department of Physics and the webinar was concluded with the Vote of thanks by S. Amrita Krishna, 2nd DC Physics. The webinar was fruitful to all the students in understanding the cultural etiquettes and life in France and bridging the cultural divide.

BCM College Kottayam
Bishop Chulaparambil Memorial College

DEPARTMENT OF PHYSICS

WEBINAR

FRANCE & FRENCH: AN INDIAN ENCOUNTER

ON WEDNESDAY 6:00 - 7:30 PM
02/02/22

RESOURCE PERSON

ARUN PHILIP SIMON (SJ)

VIA GOOGLE MEET:
[HTTPS://MEET.GOOGLE.COM/RWD-NYKY-DDG](https://meet.google.com/rwd-nyky-ddg)

BISHOP CHULAPARAMBIL MEMORIAL COLLEGE KOTTAYAM

Webinar

France & French : An Indian Encounter
On
02/02/2022 (6.00 Pm)

Prayer Song : *Lekshmi P. S*

Welcome Speech : *Ansu Sabu*

Presidential Address : *Dr. Smitha Joseph*
(HOD, Dept. Of Physics)

Keynote Address : *Arun Philip Simon (SJ)*
(Bachelor in Theology, Master of Philosophy (Ignou))

Note of Thanks : *S. Amritha Krishna*

Link :
<https://meet.google.com/rwd-nyky-ddg>

PARTICIPANT LIST

| NAME | CLASS |
|-----------------------|--------------|
| Aleena Maria Santhosh | 1 DC |
| Ammu K Reji | 1 DC |
| Aswathy P | 1 DC |
| Athira Aniyachan | 1 DC |
| Janani Kanakaraj | 1 DC |
| Josiya George | 1 DC |
| Geetha R | 1 DC |
| Megha H Karat | 1 DC |
| Mitra Vinda S Kumar | 1 DC |
| Sneha Francis | 1 DC |
| Sneha Sabu | 1 DC |
| Surya G | 1 DC |
| Treesa K Devasia | 1 DC |
| Aisha Sali S | 2 DC |
| Ananya Raju | 2 DC |
| Anila T Sunny | 2 DC |
| Ansu Sabu | 2DC |
| Arjuna Reji | 2 DC |
| Ashithamol S Kumar | 2 DC |
| Aswani Santhosh | 2 DC |
| Divyamol S | 2 DC |
| Elsa Rose Kw | 2 DC |
| Jyothilakshmi D | 2 DC |
| Lakshmi Ps | 2 DC |
| Nandhana Manoj | 2 DC |
| Nivya Prakash | 2 DC |
| S. Amrithakrishna | 2 DC |
| Safa K | 2 DC |
| Sneha Surendran | 2 DC |
| Varsha P Nair | 2 DC |
| Akshaya Jeanraj | 3 DC |
| Carmel Rose Benny | 3 DC |
| Devika K Sunil | 3 DC |
| Devendu M Dipukumar | 3 DC |
| Mariya Susanlal | 3 DC |
| Megha Anil | 3 DC |
| Nandana Vijay | 3 DC |
| Susan T Chacko | 3 DC |
| Akhila G Nair | 3 DC |
| Anagha K Reji | 3 DC |

Association Report 2021-22

| | |
|------------------|------|
| Anna Treesa Saji | 3 DC |
| Brilla Johnson | 3 DC |
| Fathima Sultana | 3 DC |
| Gintamol Pj | 3 DC |
| Jithu K Mathew | 3 DC |
| Kavya Ks | 3 DC |
| Keertana V | 3 DC |
| Neeraja K Shaji | 3 DC |
| Rona Roy | 3 DC |
| Sreelakshmi V H | 3 DC |

GENDER SENSITISATION

Marie Curie Day – July 7

Marie Curie Day is celebrated every year to mark the death anniversary of the Polish woman scientist Marie Salomea Skłodowska Curie.

As a part of Marie Curie day celebration the Department of Physics in association with the Department of Chemistry, Breakthrough Science Society and St. Joseph's UP School, Mannanam organised the event *Marie Curie - The Marvel Women* on 7th July 2021 at 1:30 PM via Google Meet. The event included talks by students on the life and contributions of Marie Curie and other prominent women scientists. The objective of the event was to shatter gender stereotypes and highlight the role of women in Science, Technology, Engineering and Mathematics (STEM) fields and further to encourage girls to break the glass ceiling and pursue a career in Science and Technology.

BISHOP GHULAPARAMBIL MEMORIAL COLLEGE, KOTTAYAM
DEPARTMENTS OF CHEMISTRY AND PHYSICS Present
Marie Curie Day Celebration
On 7th July 2021 at 1:30pm via Google meet Platform
in association with Breakthrough Science Society & St. Joseph's U.P School, Mannanam
Marie Curie: The Marvel Woman
Google Meet Link: <https://meet.google.com/ftv-nvuc-xqo>

MARIE CURIE DAY 2021 Programme Chart

1. Prayer
2. Welcome speech- Mrs. Anand M R
3. Inaugural Address- Prof. P.J. Thekkumkara Secretary, Breakthrough Science Society Kerala Chapter
4. Talk 1- "Marie Curie: The woman who changed science" Mrs. Anas Mathan Mathan
5. Talk 2- "Life of Madame Curie- An Inspiration" Mrs. Geetha Lakshmi R Raju
6. Photographs- "Life of Madame Curie" Mrs. Anand Mathan
7. Talk 3- Mrs. Chithra Shaji (Std 7) - St. Joseph's U.P School, Mannanam
8. Talk 4- "Introducing prominent women scientists in the world" Mrs. Sushila Mathan, Mrs. Lakshmi Mathan Mathan, Mrs. Deepa A, Mrs. Anas Mathan, Mrs. Anas Mathan
9. Talk 5- "Marie Curie as a Humanitarian: More of successful science determination of courage" Mrs. Sreerajya Sankar
10. Photographs- "Achievements of Marie Curie" Mrs. Malapada Jayaraj
11. Talk 6- "Marie Curie's thoughts on Science and the Humanities as lessons for the Modern Scientific World" Mrs. George Bharathini
12. Felicitation- Mrs. Shalini Alexander (Headmistress) St. Joseph's U.P School, Mannanam
13. Vote of thanks- Mrs. Phangara Kishan
Programme Coordinator - Dr. Anas Mathan, The Daily Joy
Dr. Umesh Joseph, Dr. Elizabeth T. John

INTRODUCTION

- Marie Curie was born on November 7 1867 in Warsaw, capital of Poland. She died in 1934 from Leukaemia in Paris.
- She studied physical at the Sorbonne in Paris.
- She was the discoverer of Polonium & Radium.

QUOTES

- She was interested in literature. She wrote many quotes like:
- Be less curious about people and more about ideas.
- I was taught that the way of progress was neither swift nor easy.
- In science, we must be interested in thought not in persons.

Description X

Marie Curie Day Celebration



P Principal BCM College


Principal BCM College · 354 views · Streamed live on 7 Jul 2021

Marie Curie Day Celebration V

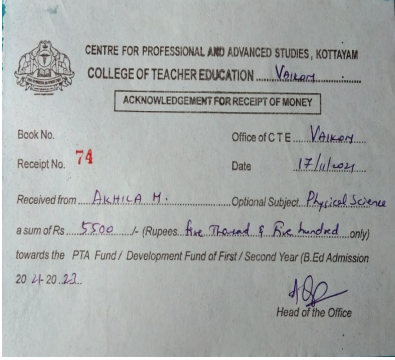
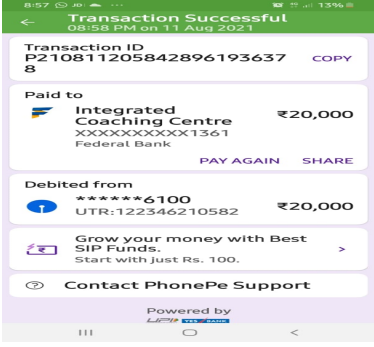
STUDENT PROGRESSION

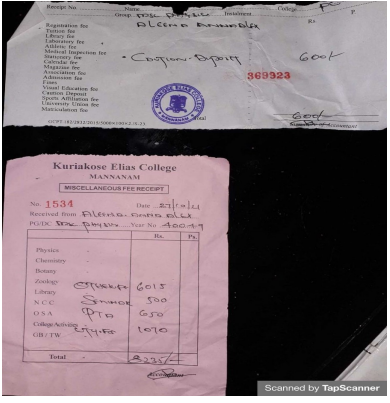
Students who are placed

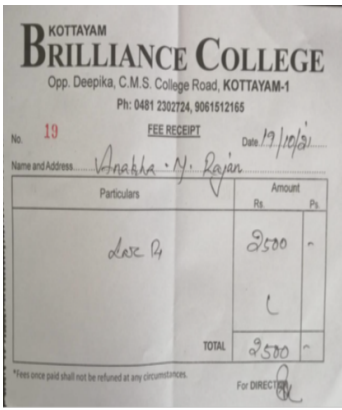
| Sl No | Name of the Student | Name of the employer with contact details | Pay package at appointment | Proof |
|-------|---------------------|---|----------------------------|---|
| 1 | Priyamol M | Operation Executive at Infosys | INR 2.2 lakhs/annum |  <p>HRD/1001984531/21-22 Ms. Priyamol M Lalithakrishnan Pallippuram P.O. Cherthala Alappuzha-688141 India Ph: +91-8921538868</p> <p>Dear Priyamol,</p> <p>Congratulations! We are delighted to make you an offer as Operations Executive - Trainee and your role is Operations Executive.</p> <p>Here are the terms and conditions of our offer:</p> <p>Joining Your scheduled date of employment with us will be 25-Oct-2021.</p> <p>Location Your location of training is MYSORE, India. The location of posting ("work location") would be communicated to you upon successful completion of training. You may be asked to relocate to any of our units, departments or the offices of our affiliates* and/or the offices of our customers, depending on business requirements. In such an event, your remuneration and other benefits shall be determined in accordance with the relevant Policies of the Company in that work location."</p> <p>Please be advised that you, by accepting this offer, hereby give your irrevocable consent to the above.</p> <p>* For the purpose of this agreement, "affiliate" means any entity that controls, is controlled by, or is under common control with the First Party. For purposes of this Agreement, "control" means possessing, directly or indirectly, the power to direct or cause the direction of the management, policies or operations of an entity, whether through ownership of voting securities, by contract or otherwise."</p> <p style="text-align: right;">Scanned with CamScanner</p> |
| 2 | Sobhitha Chandran | Operation Executive at Infosys | INR 2.2 lakhs/annum |  <p>HRD/1001986320/21-22 Ms. Sobhitha Chandran Pappanasseril, H 57th Mile, Vandiperiyar P.O. Kuttikkattam-685533 India Ph: +91-8075356294</p> <p>Dear Sobhitha,</p> <p>Congratulations! We are delighted to make you an offer as Operations Executive - Trainee and your role is Operations Executive.</p> <p>Here are the terms and conditions of our offer:</p> <p>Joining Your scheduled date of employment with us will be 25-Oct-2021.</p> <p>Location Your location of training is MYSORE, India. The location of posting ("work location") would be communicated to you upon successful completion of training. You may be asked to relocate to any of our units, departments or the offices of our affiliates* and/or the offices of our customers, depending on business requirements. In such an event, your remuneration and other benefits shall be determined in accordance with the relevant Policies of the Company in that work location."</p> <p>Please be advised that you, by accepting this offer, hereby give your irrevocable consent to the above.</p> <p>* For the purpose of this agreement, "affiliate" means any entity that controls, is controlled by, or is under common control with the First Party. For purposes of this Agreement, "control" means possessing, directly or indirectly, the power to direct or cause the direction of the management, policies or operations of an entity, whether through ownership of voting securities, by contract or otherwise."</p> <p>Training The training program will consist of classroom/virtual training and on-the-job training. The duration of the classroom/virtual training will be based on the business requirement. Your continued employment with the Company is subject to your meeting the qualifying criteria till the end of the training and successful completion of the training.</p> <p style="text-align: center;"><small>Company Confidential - This communication is confidential between you and Infosys Limited Page 1 of 7</small></p> |


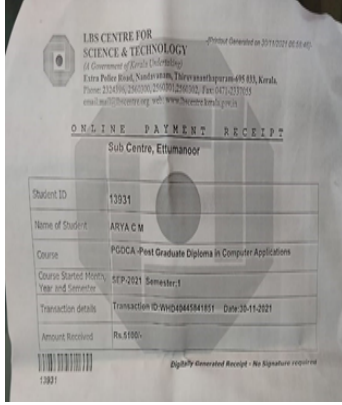

| | | | | |
|---|---------------------|--------------------------------|---------------------|---|
| 3 | Surya Muralaedarhan | Graduate Trainee Y grad at TCS | INR 3.5 lakhs/annum |  <p>Ref: TCSLDT20217554320/475781/Trivandrum Date: 09 August 2021</p> <p>MS. SURYA MURALEEDHARAN Aloor House Payyappady, Puthupally, Kottayam, Kerala-686034, Telle 66037510186603</p> <p>Sub: Joining Letter</p> <p>Dear Ms. Surya Muralaedarhan,</p> <p>Welcome to TATA Consultancy Services Limited (TCSL). We are glad that you have accepted our offer and look forward to you being a part of our family.</p> <p>We are pleased to inform you that your Initial Learning Program (ILP) at TCSL will commence on 16th August 2021 at Chennai. You are requested to report at the address detailed below on 16th August 2021 at 08:00 AM.</p> <p>M/s. Tata Consultancy Services Ltd TCSL "Chennai One" - SEZ Unit, (KGGGL-SEZ) 200 Fl. Thorapakkam - Pallavaram Ring Road, Thorapakkam, Chennai - 600 095, Tamil Nadu, India, Chennai, Tamil Nadu-600096. (Route map of the ILP Centre can be viewed on TCS NextStep>>ILP Corner>>ILP Centres)</p> <p>Contact Person: Ms. Lakshmi Harish Phone: 09600408528 Email: lakshmi.harish@tcs.com (Contact Hours: Monday - Friday, 9 AM to 6 PM)</p> <p>You will continue to receive further communication through the pre-employment orientation (PEO) platform. Your exact time of reporting will be published through announcements on PEO.</p> <p>Please download the Joining Letter Annexure (TCS NextStep>>ILP Corner>>Joining Letter) detailing the formalities to be complied with prior to the commencement of your learning.</p> <p>Private and Confidential Page 1 </p> <p style="font-size: small; text-align: center;">TATA CONSULTANCY SERVICES Tata Consultancy Services Ltd Registered Office: 100, Naraina, New Delhi - 110028, India Registered Office: 100, Naraina, New Delhi - 110028, India Registered Office: 100, Naraina, New Delhi - 110028, India Corporate Identification Number (CIN): L26200TN1998PL1000000</p> |
|---|---------------------|--------------------------------|---------------------|---|

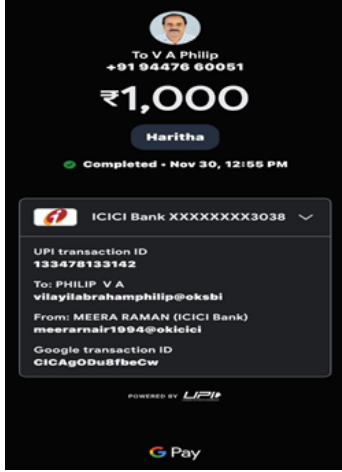
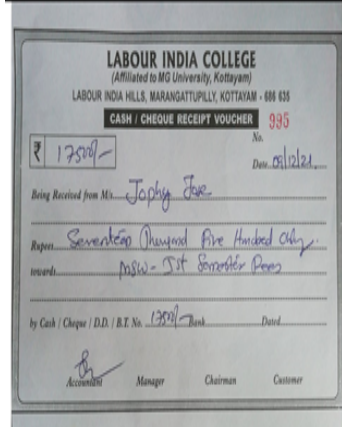
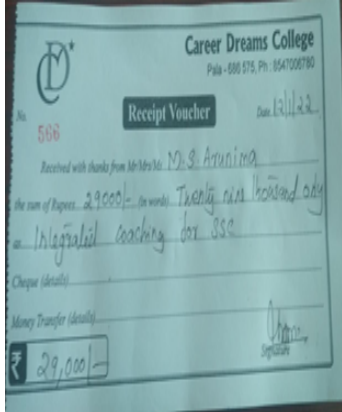
Students progressing to Higher Education

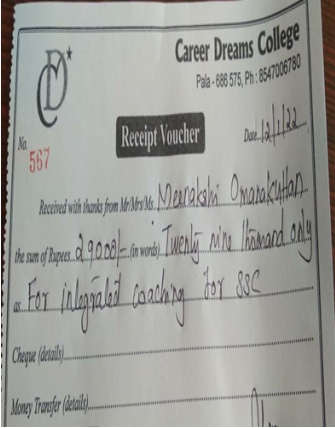
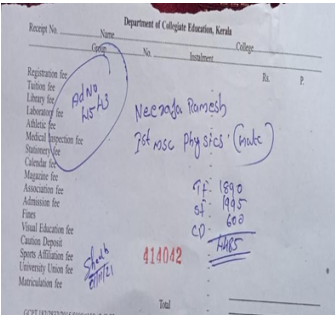
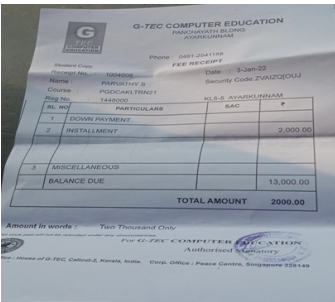
| SI No | Name | Program me | Name of the institution joined | Name of the programme admitted to | Proof |
|-------|--------------|-------------|---|-----------------------------------|--|
| 1 | Akhila .M | BSc Physics | University college of Teacher Education, Vaikom | B.Ed |  |
| 2 | Amurtha Siby | BSc Physics | Carrier Heights Pala | SSC Coaching |  |

| | | | | | |
|---|-------------------------------|----------------|-----------------------------|----------------|---|
| 3 | Aleena Anna Alex | BSc Physics | KE College, Mannanam | MSc. Physics |  |
| 4 | Aleena Sosa Christopher | BSc Physics | CMS College ,Kottayam | MSc Physics | <div style="border: 1px solid black; padding: 5px;"> <p align="center">CMS COLLEGE KOTTAYAM (AUTONOMOUS)</p> <p align="center">Postgraduate Admission(Provisional) Fee Receipt</p> <p>Application Number : PG_2021_107929</p> <p>Name of Student : ALEENA SOSA CHRISTOPHER</p> <p>Name of Programme : M.Sc. Physics</p> <p>Received Rs. : 13845</p> <p><small>#This Admission is provisional and is solely based on the digital information provided by the candidate. Candidate should produce all the original documents on any of the suitable dates prescribed by the college. Admissions shall be permanent only after this physical verification by the college. Any discrepancy with the uploaded digital documents will result in forfeiting of the admission.</small></p> </div> |

| | | | | | |
|---|-------------------|----------------|------------------------------------|-----------------|---|
| 5 | Anagha M Rajan | BSc Physics | Brilliance College, Kottayam | PSC Coaching |  |
|---|-------------------|----------------|------------------------------------|-----------------|---|

| | | | | | |
|---|--------------------|----------------|--|----------------|---|
| 6 | Aparna Santhosh | BSc Physics | Ajinorah, Kottayam | IELTS |  |
| 7 | Arya C M | BSc Physics | LBS Centre for Science and Technology, Ettumanoor | PGDCA |  |
| 8 | Devika. S | BSc Physics | Baselius College, Kottayam | MSc Physics |  |

| | | | | | |
|----|----------------|----------------|--|-----------------|--|
| 9 | Haritha E.R | BSc Physics | Bace Acedemy, Kottayam | PSC Coaching |  <p>To V.A Philip +91 94476 60051 ₹1,000 Haritha Completed - Nov 30, 12:55 PM</p> <p>ICICI Bank XXXXXXXX3038</p> <p>UPI transaction ID 133478133142</p> <p>To: PHILIP V A vilayilabrahamphilip@okabi</p> <p>From: MEERA RAMAN (ICICI Bank) meeramr1994@okicici</p> <p>Google transaction ID CICAg0Du8fbcw</p> <p>POWERED BY UPI</p> <p>Pay</p> |
| 10 | Jophy Jose | BSc Physics | Labour India College Marangattupilly | MSW |  <p>LABOUR INDIA COLLEGE (Affiliated to MG University, Kottayam) LABOUR INDIA HILLS, MARANGATTUPILLY, KOTTAYAM - 686 636</p> <p>CASH / CHEQUE RECEIPT VOUCHER 995</p> <p>₹ 17500/- No. 20/11/22 Date 20/11/22</p> <p>Being Received from M/s. Jophy Jose</p> <p>For Rs. Seventeen Thousand Five Hundred Only.</p> <p>in words: MSW - 1st Semester Fees</p> <p>by Cash / Cheque / D.D. / B.T. No. 13599 / Bank / Date</p> <p>Accountant Manager Chairman Customer</p> |
| 11 | M.S Arunima | BSc Physics | Carrier Heights Pala | SSC Coaching |  <p>Career Dreams College Pala - 686 575, Ph: 954708780</p> <p>Receipt Voucher No. 566 Date 20/11/22</p> <p>Received with thanks from M/s. Ms. S. Arunima</p> <p>the sum of Rupees 29,000/- in words Twenty nine thousand only</p> <p>Integral Coaching for SSC</p> <p>Cheque details</p> <p>Money Transfer details</p> <p>₹ 29,000/-</p> |

| | | | | | |
|-----------|----------------------------------|------------------------|--|-------------------------|---|
| <p>12</p> | <p>Meenakshi Omanakuttan</p> | <p>BSc Physics</p> | <p>Carrier Heights Pala</p> | <p>SSC Coaching</p> |  |
| <p>13</p> | <p>Neeraja Ramesh</p> | <p>BSc Physics</p> | <p>Catholicate College, Pathanamthitta</p> | <p>MSc Physics</p> |  |
| <p>14</p> | <p>Parvathy .S</p> | <p>BSc Physics</p> | <p>G-tec, Ayarkkunnam</p> | <p>PGDCA</p> |  |

With Thanks.....

