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HENRY BAKER COLLEGE MELUKAVU

Department of Physics

ACADEMIC
YEAR

2021-22

FROM DARKNESS INTO MARVELLOUS LIGHT

Henry Baker College, Melukavu, a Christian, Minority, Co-Educational, Government-aided Arts and Science College Established In 1981, affiliated to Mahatma Gandhi University, Kottayam, Kerala, Accredited by NAAC with 'A' Grade and An ISO 9001:2015 certified Institution.

DEPARTMENT OF PHYSICS
HENRY BAKER COLLEGE, MELUKAVU

Annual Report 2021-22

1. World Ozone Day Celebration-2021

Objective of the Program: To create awareness about the preservation of the ozone layer and the need for adopting an eco -friendly lifestyle among students.

In 1994, the United Nations General Assembly proclaimed September 16 as the International Day for the Preservation of the Ozone Layer. This designation had been made on December 19, 2000, in commemoration of the date, in 1987, on which nations signed the Montreal Protocol on Substances that Deplete the Ozone Layer. The theme for the year 2021 was 'Montreal Protocol - Keeping us, our food, and vaccines cool.' To create awareness about the preservation of the ozone layer and the need for adopting an eco-friendly lifestyle among students, the Department of Physics, Henry Baker College Melukavu organized an Online Intercollegiate Poster Making Competition and Caption Writing Competition based on the 2021 theme. Due to the ongoing Covid-19 pandemic situation, we conducted it in online mode. Fifteen students from different colleges participated in the competitions. In Caption Writing Competition Mr. Pranav D.P., First Year B.Sc. Physics, VTM NSS College, Dhanuvachapuram, Thiruvananthapuram secured the first prize , Ms. Revu B. Krishna, Third Year B.Sc. Mathematics, St. George's College, Aruvithura won the second prize and Ms. Rinu Babu, Third Year B.Sc. Mathematics, St. George's College, Aruvithura bagged the third prize. In Poster Designing Competition Mr. Pratheesh K. Das, Second Year B.Sc. Physics, CMS College, Kottayam nailed the first prize. The winners were honoured with certificates.

Outcome of the Program: The program helped to spread awareness among participants about the depletion of the ozone layer and search for possible solutions to preserve it.



HENRY BAKER COLLEGE
MELUKAVU
Department of Physics

WORLD OZONE DAY
3

MONTREAL PROTOCOL - KEEPING US, OUR
FOOD AND VACCINES COOL

36 YEARS 16th SEPTEMBER
LET'S HEAL IT TOGETHER 2021

Call for entries

INTERCOLLEGIATE COMPETITIONS ON

1. POSTER DESIGNING
THEME : KEEPING US, OUR FOOD AND VACCINES COOL
2. CAPTION WRITING

Registration link : <https://www.facebook.com/henrybakercollegemelukavu>

Guidelines

1. COMPETITION IS OPEN TO ALL UG AND PG STUDENTS
2. THE POSTER AND CAPTION SHOULD BE ORIGINAL AND GENUINE
3. ANY POSTER OR CAPTION FOUND TO BE COPIED WILL NOT BE CONSIDERED AT THE TIME OF EVALUATION
4. EACH PARTICIPANT CAN SUBMIT ONLY ONE ENTRY
5. THE POSTER SHOULD BE HANDMADE
6. ACCEPTABLE TOOLS FOR MAKING POSTER INCLUDE PENCILS, WATERCOLOR, CRAYONS, OIL PAINTS ETC...
7. THE THEME "KEEPING US, OUR FOOD AND VACCINES COOL" SHOULD BE THE MAIN FOCUS OF THE POSTER
8. APPEALING SLOGANS CAN BE INCLUDED IN THE POSTER
9. THE CAPTIONS SHOULD BE IN ENGLISH AND CANNOT EXCEED MORE THAN 15 WORDS
10. THE ENTRIES WILL BE JUDGED ACCORDING TO THE CREATIVITY, ARTISTIC COMPOSITION AND RELEVANCE TO THE THEME
11. DECISION OF JUDGES WILL BE CONSIDERED FINAL

DEADLINE EXTENDED UPTO 8th OCTOBER 2021

E- CERTIFICATE WILL BE PROVIDED TO THE WINNERS

ALL ENTRIES SHOULD BE MAILED TO
physics@hbcpgms@gmail.com WITH THE SUBJECT LINE
OZONE DAY 2021-POSTER : FOR POSTER DESIGNING COMPETITION
OZONE DAY 2021-CAPTION : FOR CAPTION WRITING COMPETITION

TEACHER COORDINATORS DR.JINCY DEVASIA DR.PRINCE THOMAS	STUDENT COORDINATORS ADAM AJWAR, AMAL JACOB ADIKIRAN JOHNY
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For further queries feel free to contact : 9447776251, 9946144408, 9447192098
9495550410, 702533195

2. Commemoration of Hiroshima Day- 2021

Objective of the Program: To pay tribute to the victims of the atomic bombing and convey the message of non-violence and the importance of the realization of lasting world peace.

To pay tribute to the victims of the atomic bombing and convey the message of non-violence and the importance of the realization of lasting world peace, Hiroshima Day is observed every year on August 6 to promote peace politics and raise awareness of the effects of the bomb attack on Japanese city, Hiroshima. On August 6 and 9, 1945, the cities of Hiroshima and Nagasaki were bombed with nuclear weapons. In order to focus on anti-war and anti-nuclear awareness programmes, pay tribute to the victims and to salute the spirit of survivors, the second-year students of the Department of Physics made posters and wrote poems to spread the message of non-violence and evil use of nuclear weapons. A collage was made from the posters and exhibited on the Department notice board to convey the message of peace and non-violence. Students actively participated in the program. They conveyed the message of peace and non-violence through their creative works. Through this program, students have been reminded of the dangers of nuclear warfare and drew lessons from horrific pasts for a peaceful future.

Outcome of the Program: Students actively participated in the program. They conveyed the message of peace and non-violence through their creative works. Through this program, students have been reminded of the dangers of nuclear warfare and drew lessons from horrific pasts for a peaceful future.



Collage: In memory of Hiroshima Day

3. Space Week Celebrations 2021

Objective of the Program: To educate the participants about space activities and foster international cooperation in space outreach and education.

As part of the World Space Week Celebrations 2021, the Department of Physics in association with the Quiz Club of our college organized two online space science quiz competitions: one for the students of our college and another for students of nearby schools. The quizzes were conducted on Quizziz platform and questions asked were from the field of space science and related areas. The objective of the program was to make our students aware of the history, present status, research going on and recent developments in the field of space science and related technology. **Interschool online space science quiz** was conducted on 18 October 2021 at 2.00 p. m. in Quizziz Application. A total of seventeen students from various nearby schools participated in the quiz. Mr. Colin Jimmy, St. Sebastian's H. S. S. Kadanadu, Ms. Niranjana Mohan, St. George's H. S. S. Aruvithura and Mr. Jose Paius, St. Sebastian's H. S. S. Kadanadu attained the first, the second and the third positions respectively.



Online quiz for the students of our college was organized on 9th October 2021 at 11 a. m. in Quizziz application. Out of the twenty-five students participated, Ms. Ashly Mathew, III B. A. English, Ms. Saranya C. S., II M. A. History and Mr. Nikhil Joy, II M. Com won the first, the second and the third prizes respectively. The winners were presented with certificates of merit and mementos.

Outcome of the program: The program succeeded in giving awareness of the history, present status, research going on and recent developments in the field of space science and related technology.

4. National Science Day Celebration 2022

Objective of the Program: The program aims to spread awareness about the contributions of C.V. Raman and to stimulate young generation's scientific spirit.

Since 1987, National Science Day is celebrated annually on 28th February to honour the Indian Physicist Sir. C. V Raman who on this same day in 1928 discovered Raman Effect. This breakthrough discovery brought the first Nobel prize in science for our country in 1930. To stimulate young minds and to impart scientific spirit Department of Physics, celebrated National Science Day on 2 March 2022, by conducting Intra-departmental Science Quiz competition and PowerPoint Presentation Competition at Seminar Hall. A video presentation depicting the life and contributions of Sir C.V Raman was also done. The meeting started at 1 pm. with Dr. Jincy Devasia, Head of the department of Physics's welcome speech. Principal Dr. Gireesh Kumar G. S. inaugurated the function and delivered the presidential address.

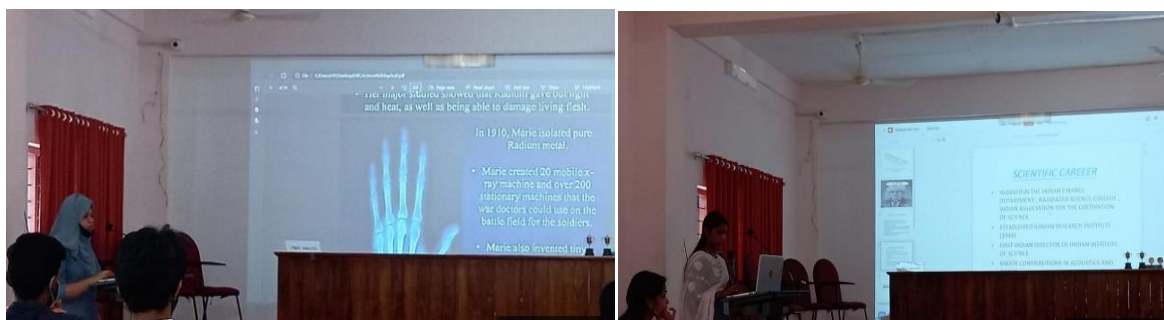


Welcome speech by Dr.JincyDevasia, HoD of Physics



Presidential address by Dr.Gireeshkumar G S, Principal

PowerPoint presentations by our students on their topic of choice were conducted to improve their presentation skills. Students from all three batches actively participated. Jominimol Johny of II B.Sc. delivered a presentation on Laser, Ammu Bijith of II B. Sc. on C V Raman, Darsana Sanoj of I B. Sc. on Homi J Bhaba and Femina Thaha of III B. Sc. on Marie Curie.



PowerPoint presentation in progress

In the preliminary round of Intra-departmental Science Quiz all students from our department has participated. Based on the marks scored in the preliminary round, four teams were selected from all three batches. Ms. Vinitha S served as the quiz master. Team 1 Anju Manoharan and Adikiran Johny secured First Prize, Team 3 Merlin Juliet and Amal Jacob bagged II Prize and Team 4 Ammu Bijith and Darsana Sanoj grabbed III Prize.



Science Quiz Competition- Final round

Outcome of the Program: The program was helpful to ignite an interest in science, inspire the participants to perform new experiments, and make them aware of the latest developments in science and technology.



Winners of Quiz competition with Faculty members

Achievements

1. Lakshmi Priya P. S. of III BSc Physics secured II Prize in Classical Music, M G University Kalolsavam.
2. Adikiran Johny and Amal Jacob of II BSc Physics participated in the Prof. M. S. Viswambharan Endowment All Kerala Intercollegiate Science Quiz Competition held on February 28, 2022, organized by IQAC, Science Club and Department of Chemistry, Government College, Kottayam.
3. Anju Manoharan III BSc Physics became the 'Princess' in Personality Contest conducted by Women Cell, Henry Baker College, Melukavu
