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HENRY BAKER COLLEGE MELUKAVU

Department of Physics

ACADEMIC
YEAR

2016-17

FROM DARKNESS INTO MARVELLOUS LIGHT

Henry Baker College, Melukavu Is a Christian, Minority, Co-Educational, Government-aided Arts and Science College Established In 1981, affiliated to Mahatma Gandhi University, Kottayam, Kerala.

DEPARTMENT OF PHYSICS
HENRY BAKER COLLEGE, MELUKAVU

Activity Report- 2016-2017

1. Inter-school quiz competition

An interschool quiz competition was conducted among students of four nearby schools in July 2016. A preliminary written round was conducted by our 3rd year students at respective schools on 8th July and the toppers (a team of two students) from each school were participated in the final round. Final round was conducted in the college auditorium on 16th July 2016 at 10 am. Schools participated were:

- (i) St. Sebastian's H S S, Kadanad
- (ii) M.D.C.M.S High School, Chalamattom
- (iii) C. M. S. High School, Melukavu
- (iv) Presentation Public School, Melukavu

Rosemary S. and Merin Pious from St. Sebastian's H S S, Kadanad won Ist prize. Akhil Sivadasan and Praveen Prasad of M.D.C.M.S High School, Chalamattom bagged second prize. 55 students participated in this programme.



2. Physics association inauguration and invited lecture

Physics association inauguration by Dr .S. Sankararaman, Department of Optoelectronics, Kerala University was held at seminar hall on 22nd August 2016 at 10.15 am. Dr. Disha V. J., Associate Professor in Chemistry welcomed the gathering. The programme was presided over by Prof. Liza George, Head of the Department of Physics. Dr. Antony Joseph gave the Principal's message. Dr. S. Sankararaman, delivered a lecture on "Enjoy Physics". Through video presentation he explained the various aspects of science that we encounter in daily life. His talk enlightened the students in finding physics around them. 50 students participated in the programme.



Invited lecture by Dr. S Sankararaman

3. SPEED 2K17

The department of Physics organized SPEED 2K17, a two day science fest for the public, nearby schools and colleges on 20th and 21st January 2017 as part of National Science day celebrations. The science fest enabled the public to explore new innovations

in the field of science. The fest focuses on exhibitions and training programmes to open the new exciting world of science to the public. The main attractions were:

- (i) Science exhibition by our UG students
- (ii) Exhibition of satellites and rocket models by ISRO (Indian Space Research Organization)
- (iii) Health awareness programme
- (iv) Documentary: 'The evolution of science in Ancient India' designed by UG students.
- (v) Intercollegiate science quiz

The science fest was inaugurated by the College Manager Rt. Rev. Dr. K. G. Daniel at college auditorium on 20th January 2017 at 9.30 am. Prof. Liza George, Head of the department welcomed the gathering. Dr. Nisha Joseph, Drawing and Disbursing officer, Dr. Beena Paul, Head of the department of History felicitated the function. Mr. Alwin Thomas, II B. Sc., Student coordinator of the programme proposed the vote of thanks. This science fest nurtures our student's entrepreneurial as well as managerial skills.



Prof. Liza George, HoD of Physics welcoming the gathering



Inaugural session of SPEED 2K17

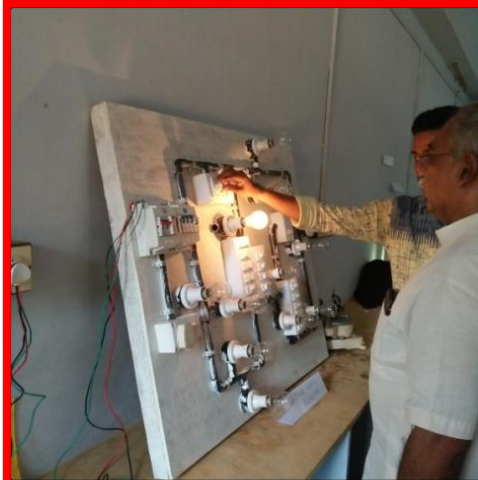
(i) Science exhibition: The department of Physics organized SPEED 2K17, a two day science exhibition for the public, nearby schools and colleges. The UG students of this department designed and exhibited experiments in various branches of physics including Electronics, Optics, Electromagnetics, Mechanics, and Electricity etc. In addition to this, there were exhibition on bio-specimens, stamps and coin, games and puzzles. The event helped to explore the scientific temper and creativity of students.

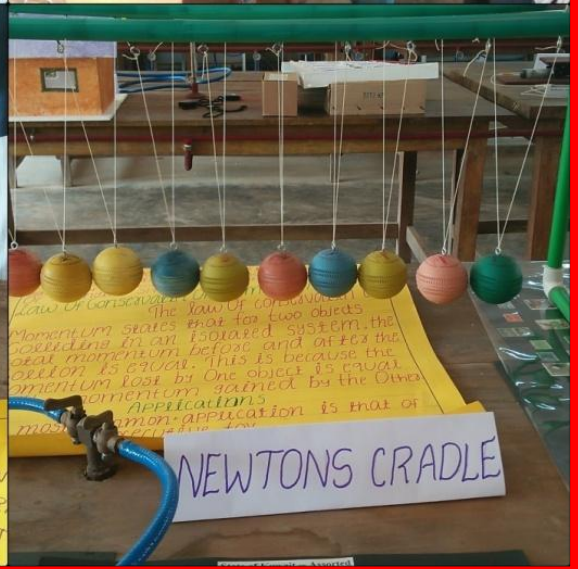
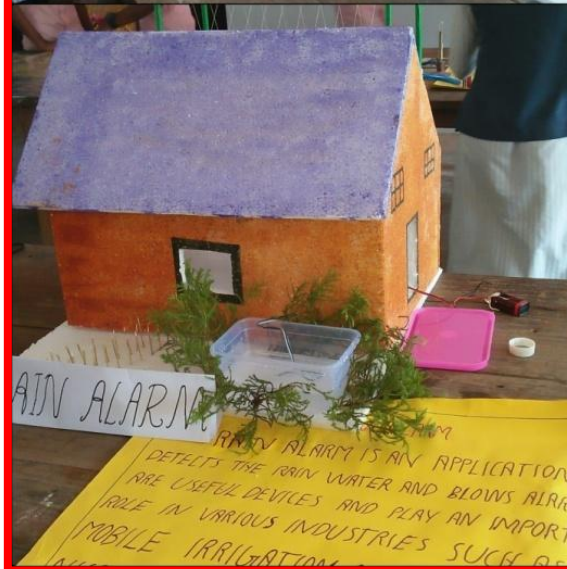






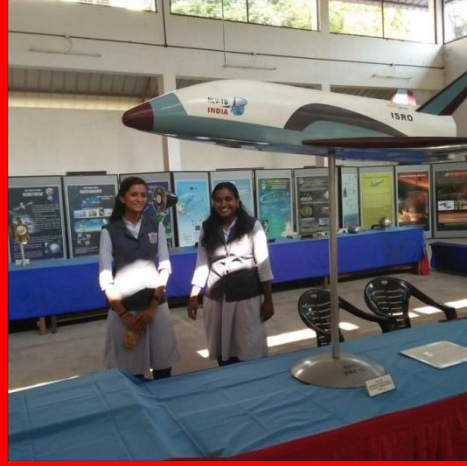
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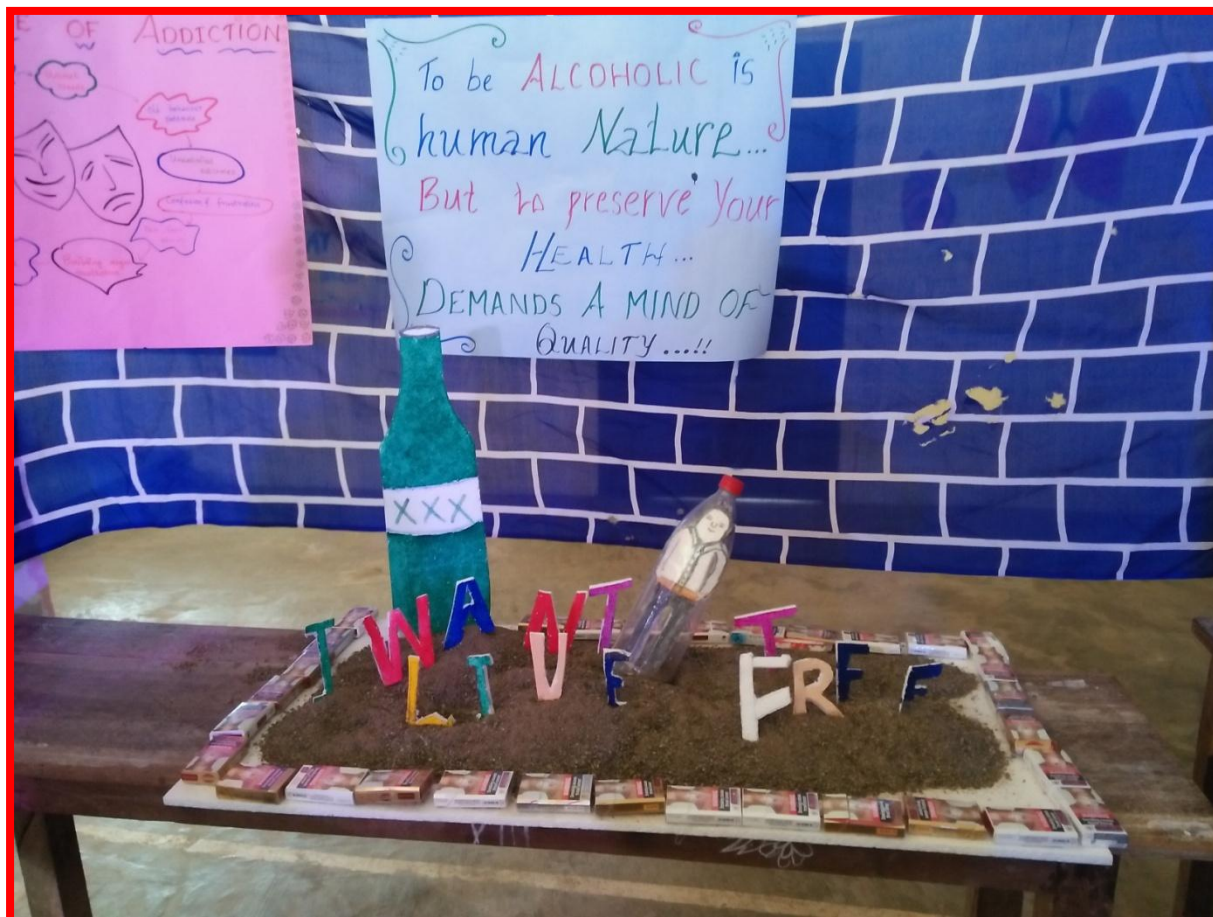
(ii) **Space Walk:** - An exhibition of satellites and rocket models by Indian Space Research Organisation (ISRO) highlighting their achievements was arranged. It creates public awareness on the activities and social benefits of India's space programmes and also provides great opportunity to see various launch vehicles and to explore how the satellites and rockets function.





(iii) **Prolife Programme:-** An awareness programme on 'Health issues of Modern Life' was conducted by Jesus youth movement. This programme attracted public through Bio-specimen exhibitions, and gave an insight about the dangers of drug abuse.





(iv) **'The Evolution of Science'** a documentary of 30 minutes span designed by II B. Sc students was presented throughout the fest. About 800 people from various schools, colleges and general public visited the exhibition.

(v) **Intercollegiate science quiz** competition was conducted on January 23rd 2017 at 10 am at seminar Hall. Prof. Joseph Thomas, Associate Professor in Mathematics (Retired), Henry Baker College, Melukavu was the Quiz Master. Twenty teams from various colleges participated in the preliminary round. After preliminary round 5 teams were selected for the final round. The winners were:

1. St. Pauls High School, Valiyakumaramangalam
2. Baselius college, Kottayam
3. St. Thomas college, Pala



Quiz- preliminary round





RULES FOR INTER COLLEGIATE QUIZ COMPETITION

1. A team of 2 participants can register for quiz competition by producing a permission letter from the principal / HoD of the concerned college.
2. There will be no limit for the number of teams from each institution.
3. Registration fee per team Rs. 100/-
4. Registration time : 1.00 p.m. - 2.00 p.m.
5. Team should stick on to the time schedule.

**Entrance Fee- Rs. 5
Time 9 a.m. to 4.p.m**

HENRY BAKER COLLEGE
Melukavu
Melukavumattam P.O.,
Kottayam Dist, Kerala 686652

For more details contact :
Mrs. Liza George (HoD) : 9495542264
Mr. Alwin Thomas (Co-Ordinator) :
9645420885

Route Map

HENRY BAKER COLLEGE
MELUKAVU

S.P.E.E.D. 2K17

STUDENTS PROGRAMME OF EXCELLENCE IN
EXPERIMENTAL DESIGN

DEPARTMENT OF
PHYSICS

**January
20 & 21
2017
-Friday & Saturday**

CRISPY MILK SHAKES

MILK SHAKE MIXES

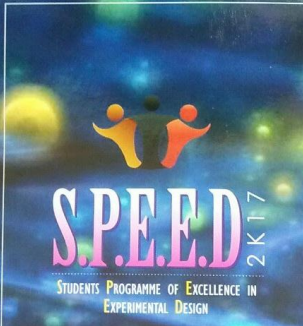
CRUST & CRUMB
FOOD INGREDIENTS PVT. LTD.

MÉRA
DRIED FRUITS

▷ DATES

▷ DRIED FRUITS

▷ NUTS



S.P.E.E.D 2K17
STUDENTS PROGRAMME OF EXCELLENCE IN
EXPERIMENTAL DESIGN

SPEED 2K17, a two day science fest, hosted by Department of Physics, Henry Baker College, Melukavu is an exclusive event which enables the public to explore new innovations in the field of science.

The Fest focus on exhibitions and training programmes to open the exciting world of science to the public.

SPACE WALK
An exhibition of satellites and rocket models by ISRO (Indian Space Research Organisation) will be conducted on 20th and 21st of January 2017.

TRAINING PROGRAMME AIMED AT SELF EMPLOYMENT
On 21st January a training programme on LED Bulb assembly will be conducted from 10 a.m. to 4 p.m., which specially focus on Kudumbasree units.

PROLIFE PROGRAMME
An awareness programme on 'Health Issues in Modern Life' will be conducted by "Jesus Youth Movement" on 20th & 21st January. The programme will be enchanting through bio-specimen displays.

EVOLUTION OF SCIENCE THROUGH VISUALS
'The evolution of science' a documentary of 30 minutes span designed by physics students will be presented throughout the fest.

SCIENCE QUIZ COMPETITION
An intercollegiate science quiz competition for graduate students will be conducted on 20th January at 2 p.m.

1st Prize **Rs. 3001**
sponsored by
RKB Food Products
Kalathukkadavu

2nd Prize **Rs. 2001**
sponsored by
Thomas Paulose,
Thoompunkal

3rd Prize **Rs. 1001**
sponsored by
Thomas Paulose,
Thoompunkal

