

**REPORT ON**

**ACTIVITIES CONDUCTED AS A PART OF**

**NATIONAL SCIENCE DAY CELEBRATIONS 2017**

**At**

**KERALA UNIVERSITY COLLEGE  
OF TEACHER EDUCATION KAYAMKULAM**



**ON FEBRUARY 1, 2 AND 3**



*Sponsored by*

**KERALA STATE COUNCIL FOR SCIENCE, TECHNOLOGY AND ENVIRONMENT,  
THIRUVANANTHAPURAM AND SUPPORTED BY DEPARTMENT  
OF SCIENCE & TECHNOLOGY, GOVT. OF INDIA.**

## **National Science Day celebrations 2017**

Kerala University College of Teacher education Kayamkulam proposed following activities in connection with National Science Day 2017.

- 1. Science exhibition**
- 2. Sky Observation**
- 3. One day Seminar**
- 4. Social survey**
- 5. Power point Presentation Competition**
- 6. Caption Writing Competition**

### **REPORT IN DETAIL.**

#### **SCIENCE EXHIBITION**

We conducted Science Exhibition using resources from Kerala state Science and Technology Museum Thiruvananthapuram on February 1 and 2 .Programme Coordinator Smt chitra I rendered welcome. Inaugural function is presided by Smt Hemalatha T Asst Professor in Natural science and the programme is presided by Smt Rani Rajan Staff Secretary. Exhibition is inaugurated by Hon'ble Member Syndicate K Manickaraj, University of Kerala. In his inaugural address he depicted the influence of an inspiring teacher that makes a child exceptionally good. He appreciated our venture to realize the message of science day by ensuring community participation. Dr Smitha J M Expressed gratitude to all on behalf of our institution.



SCIENCE EXHIBITION INAUGURATION & PARTICIPATION



## Inaugural session of seminar







## **GLIMPSES OF SCIENCE EXHIBITION**

The main resource of science exhibition is Mobile Science exhibition van from Kerala state Science and Technology Museum Thiruvananthapuram. The exhibition unit includes many interactive items related with science and some of them can be correlated with Geography. Inside a star, Lunar phase, Forty years calendar, Inside the earth, Lunar eclipse, solar eclipse, Newtonian Reflector Telescope, Halley's comet, Milky way, radio telescope, Geostationary satellite etc are some of them. Most of them are self explanatory ones with sufficient descriptions. The exhibition is exclusively open to teachers, student teachers, school children especially Upper primary, high school and higher secondary students. Around 2500 students from

The exhibition lasted for two days and many students from Kayamkulam educational district are participated. Teacher students both from our institution and other colleges were get benefited. IED students from our neighboring schools made the event fruitful in all respects.

**Reflection :** It was a wonderful opportunity to school children to participate in such an exhibition. Science teachers appreciate for mobilizing such an exhibition to our place. Most of them get acquainted with such provisions offered by KSCSTE and Kerala Science and Technology Museum to develop scientist appreciation of students and public.





**SCIENCE EXHIBITION – PARTICIPATION OF SCHOOL STUDENTS**

## The list of schools participated in Exhibition

1. VVHS Thamarakkulam
2. Govt HS Pathiyoor
3. GBHS Kayamkulam
4. Govt Girls HS Kayamkulam
5. Govt U P school Kayamkulam
6. GHSS Kayamkulam
7. NRPM H S pullukulangara







**MOBILE SCIENCE EXHIBITION VAN**

## SKY OBSERVATION

On February 2<sup>nd</sup> from 6.30 pm to mobile astronomy educational unit conducted Sky observation for student teachers, school children and the public. Stellar bodies like moon ,Venus, nebula were tracked and observed. Clear sky allows the fine observation and an Astronomy Instructor detailed everything.





**Reflection:** It become both first hand and first time experience for most of the participants. we are contented to organize such an experience useful for students and public. Science exhibition and sky observation conducted spread science awareness among student ,academia and general public which is the very aim of National Science Day Celebrations.



**SKY OBSERVATION.....**





## ONE DAY SEMINAR

**On 03. 02. 2017**

The seminar and other competitions are conducted as a part of National science day Celebration. Smt Chitra I gave Welcome address. College Principal Dr Sunith Kumar G N presided the function. The programme is inaugurated by Adv KH Babujahn Hon“ble member syndicate university of Kerala. G N presided Sri Murali Das Varyath academic co-ordinator rendered felicitation, CDC representative and College union representatives also gave felicitation. Smt Hemalatha T Asst Prof in Natural Science.

Seminar on **Inclusive Education : Redefined by Science and Technology**  
**Focal Theme** ‘Science and Technology for specially abled persons’

### REGISTRATION





## SUB THEMES:

- ♣ Education provision for specially abled students
- ♣ Inclusive Education :Critical Analysis
- ♣ Science and technology
- ♣ A space for scientific appreciation.

## THEMATIC SESSIONS

*Session 1: 10.00 am-11.30 am*

### **‘Teacher Roles in Inclusive Classroom’**

Dr Rosamma Philip, Associate Professor Mount Tabor Training College Pathanapuram dealt the topic considering sociological and psychological aspects of Inclusive Education. She presented realistic



pictures related with inclusive classes. When specially abled students who need different assistive measures are included in same class may not be get benefited. Role of specially trained teachers, Affective side of equipping special students, scope technological in teaching them are discussed. Teacher trainees are discussed practical difficulties faced by them during internship and conducted an interactive session and student teachers modified attitude and acts towards their approaches in inclusive classes.



### **INTERACTION SESSION**



**DR. ROSAMMA PHILIP**





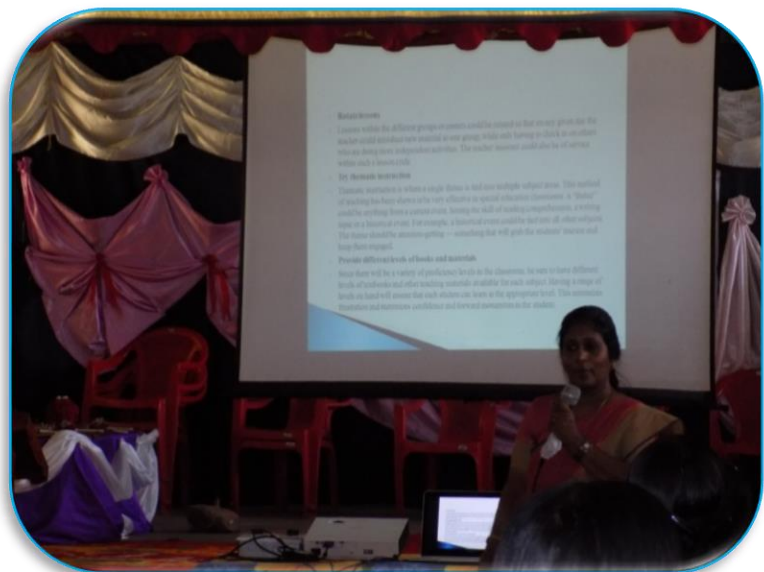
## *Session 2*

### **Enhancing Scientific creativity among specially abled students**

Dr Mariyamma Mathew Associate professor, Peet Memorial Training College Mavelikkra handled the session. Learning Possibilities of specially abled students, how can they be supported by technology, provision of technological supports to cater to special needs of students, creativity and technology, special teaching strategies, Cognitive aspects and special needs, role of technological integration in inclusive classes are explained.



**DR.MARIYAMMA MATHEW**



# Lunch

*Being Eco  
friendly we  
didn't use  
disposable  
plates*





## **COMPETITION ON THEME BASED POWER POINT PRESENTATION.**

Based on focal theme science and technology for specially abled persons student teachers presented slides and an interactive session is conducted as a closure of each presentation. Dr Smitha J M Asst.Prof in Perspectives in Education chaired the session. Physical impairments, causes, Supportive technology, motivation aspects with reference to Stephen Hawking Physics Niick Internationally acclaimed Personality trainer etc are presented. Time allotted for each presentation is 7 minutes 8 to 10 frames can be included.



### **First Prize**

**Femitha Shahul (1 year Physical Science)**

### **Second Prize**

**Unnimaya (1 year Physical Science)**

### **Third Prize**

**Abin Alosius (1 year Hindi)**

## **SOCIAL SURVEY**

As far as the teacher education scenario is concerned the concept of inclusive education is relevant for a discussion. The main objective of the survey is to make the trainees aware of problems faced by specially abled students in neighboring schools. The survey is solely carried out by Physical Science Optional Students.



## **DATA COLLECTION**



## **THE OBJECTIVES SET ARE**

- ♣ To identify the education provisions given to specially abled students
- ♣ To Identify attitude of peers towards special students in their class.

## **Tools Used**

- ♣ Questionnaire to Teachers
- ♣ Questionnaire to Students

## **Sample**

20 teachers and 60 students from GBHS Kayamkulam and GGHS Kayamkulam

## **Statistical Techniques**

Percentage analysis ,Mean

## **FINDINGS**

Teachers face some difficulties in inclusive classes and are bothered about genuine desirable changes due to tight work schedule. Most of them accepted the scope of improving socialization. All students have a concern and a consideration to specially abled person in their class and they extended all possible support to them.

## COMPETITION ON CAPTION WRITING



Teacher students from different optionals and Higher secondary school students were participated in the competition. A photo related with focal theme is exhibited and the result follows,

### **B Ed session**

First Prize : Fathima (I year social science)

Second prize : Renju (I year Natural science)

Third Prize : Vrinda (I year Hindi)



## Higher Secondary Session

- i. Geo Dickson
- ii. Nileena s
- iii. Manjith Sankar

Certificates of participation and prizes were distributed in the concluding session on 3/2/2017



## *Congratulations*





The programmes were conducted successfully through the co-ordinated activities of Principal, Faculty and students of our college. Our institution is indebted to KSCSTE Thiruvananthapuram for their support to conduct such activities that make science reachable to different target groups.

## Kerala University College of Teacher Education, Kayamkulam



# SCINTILLA



SCEINCE EXHIBITION (on 1 & 2 Feb)

Seminar on  
Inclusive Education :  
Redefined by Science & Technology

on 3<sup>rd</sup> February 2017 @KUCTE Auditorium

Sponsored by : Kerala State Council for Science, Technology and Environment, Thiruvananthapuram  
and supported by Department of Science & Technology, Govt. of India

KSCSTE  
9447103556

*Being Eco friendly we use Cloth Printed Banners.*

## കേരള സർവ്വകലാശാല അധ്യാപന പഠന കലാലയം, കായംകുളം

# ദേശീയ ശാസ്ത്ര ദിനാചരണം-2017

# SCINTILLA

ശാസ്ത്ര പ്രദർശനം (ഫെബ്രുവരി 1, 2 തീയതികളിൽ)

Seminar on : Inclusive Education : Redefined by Science & Technology (3rd Feb)

Sponsored by :

Kerala State Council for Science,  
Technology and Environment, Thiruvananthapuram  
and supported by  
Department of Science & Technology, Govt. of India





അദ്ധ്യ: കെ.പി.ജി. വാർഗ്ഗീസ്

(സംസ്കാര മന്ത്രിയുടെ സെക്രട്ടറി, കേരളം)

അദ്ധ്യ: യു. പ്രതിഭാപതി

(സംസ്കാര മന്ത്രിയുടെ സെക്രട്ടറി, കേരളം)

അദ്ധ്യ: എൻ. ശ്രീധരൻ

(സംസ്കാര മന്ത്രിയുടെ സെക്രട്ടറി, കേരളം)



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## LIST OF ENCLOSURES

- Sanction letter from KSCSTE
- Statement of expenditure in connection with Science day Celebrations
- Seminar materials like brochure, in card, certificate, notepad and pen.
- Photographs of activities

