

## **N.S.S College, Nilamel**

### **Annual Report 2017-2018**

- Name of the college – N.S.S COLLEGE, NILAMEL
- Place of the college : Nilamel
- District - Kollam
- State : Kerala
- Year of establishment of college – 1964
- Name of Principal – Dr. Madhusoodanan Pillai

#### **The Principal's Report**

It is the great pleasure in presenting the Annual Report of N.S.S College, Nilamel established on 1964 documenting its progress and success. The College operates admission to the students by Online a centralized system of admission in the university. In all the courses of both UG and PG the students can get admission through online process. The college offers 11 UG , 02 PG and a PhD Programmers duly affiliated to the University and approved by the Department of Higher Education. The college plans and organized the teaching learning, continues evaluation process, Project Work and examination schedules as per the curriculum issued by the university and approved by Department of Higher Education. College bring to being good results in the university both in UG and PG. The college has well qualified and competent faculties , have attended Faculty development programmes like orientation and refresher program in various universities.

#### **University Examination Results – April/May 2017**

| <b>Degree</b> | <b>Subject in detail</b> | <b>No. of<br/>appeared</b> | <b>No of<br/>passed</b> | <b>Percentage of<br/>pass</b> |
|---------------|--------------------------|----------------------------|-------------------------|-------------------------------|
| BA            | Malayalam                | 60                         | 33                      | 55                            |

|       |                |    |    |       |
|-------|----------------|----|----|-------|
|       | English        | 39 | 37 | 94.87 |
|       | History        | 47 | 21 | 44.68 |
|       | Economics      | 54 | 29 | 53.70 |
|       |                |    |    |       |
| BSc   | Mathematics    | 46 | 23 | 50    |
|       | Physics        | 28 | 20 | 71.43 |
|       | Chemistry      | 35 | 24 | 68.57 |
|       | Bio- Chemistry | 17 | 11 | 64.20 |
|       | Botany         | 28 | 18 | 64.29 |
|       | Zoology        | 25 | 17 | 38    |
|       |                |    |    |       |
| B.Com | Commerce       | 64 | 50 | 78.12 |
|       |                |    |    |       |
|       | MA             | 18 | 15 | 83.33 |
|       | M.Com          | 17 | 17 | 100%  |
|       |                |    |    |       |

## List of Teachers who has attended various Faculty Development Programmes

| Year    | Number of teachers who attended | Title of the professional development program | Date and Duration (from – to) |
|---------|---------------------------------|-----------------------------------------------|-------------------------------|
| 2017-18 | Anila.L,                        | Short term course                             | 6/11/2017-11/11/2017          |
|         | Saritha.G.S                     |                                               |                               |
|         | Suprabha.S,                     | Orientation course                            | 2/11/2017-29/11/2017          |
|         | Remya Madhavan                  |                                               |                               |
|         | Ajayakumar.S                    | Refresher course                              | 2/11/2017-22/11/2017          |
|         | Athira.C.J                      | Refresher course                              | 9/8/2017-29/8/2017            |
|         | Resmi.S.Nair                    | Refresher course                              | 9/1/2018-29-1-2018            |

### List of Seminars and Workshops conducted

| <i><b>Sl. No</b></i> | <i><b>Department</b></i> | <i><b>Programme</b></i>                            | <i><b>Date Conducted</b></i> |
|----------------------|--------------------------|----------------------------------------------------|------------------------------|
| 1.                   | <b>Chemistry</b>         | World Environmental day                            | 5/06/2017                    |
| 2.                   |                          | Ozone Day Celebrations                             | 18/09/2017                   |
| 3.                   |                          | International Mole Day                             | 23/10/2017-28/10/2017        |
| 4.                   |                          | Group Theory and its applications                  | 20/11/17                     |
| 5.                   |                          | An invited talk on organic spectroscopy            | 26/03/18                     |
| 6.                   | <b>Zoology</b>           | INTERNATIONAL OZONE DAY CELEBRATIONS               | 25/09/17                     |
| 7.                   |                          | Wild life week celebrations                        | 6-10-17                      |
| 8.                   |                          | Environmental issues that are challenges to living | 9-10-17                      |
| 9.                   |                          | Urjakiran 2017-ENERGY CONSERVATIO                  | 14/12/17<br>6/3/18           |

|     |                     |                                                                                                                                        |                           |
|-----|---------------------|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
|     |                     | <i>N RALLY &amp; Awareness programme</i>                                                                                               |                           |
| 10. |                     | <i>Merit day Celebrations</i>                                                                                                          | <i>2/3/2018</i>           |
| 11. |                     | <i>An invited talk on mental health</i>                                                                                                | <i>22/3/2018</i>          |
| 12. |                     | <i>World wetlands day celebrations 2018</i>                                                                                            | <i>23-02-18</i>           |
| 13. | <b>Biochemistry</b> | <i>Seminar on “Communicable Diseases-Different types of fever &amp; “Symptoms, Diagnosis and prevention of communicable diseases”.</i> | <i>20th December 2017</i> |
| 14. |                     | <i>BIOSPARK 2018” at Govt. UPS, Chadayamangalam.</i>                                                                                   |                           |
| 15. |                     | <i>Friday Clinic” for the analysis of blood samples</i>                                                                                | <i>12th January 2018.</i> |
| 16. |                     | <i>ELYSIAN” a science magazine</i>                                                                                                     | <i>19th March 2018</i>    |
| 17. | <b>Economics</b>    | <i>Nobel Prize Laurates in Economics</i>                                                                                               | <i>10.10.2017</i>         |
|     |                     | <i>GST and its implications on Kerala Economy</i>                                                                                      | <i>13.10.2017</i>         |
|     |                     | <i>Debate on Union and State Budget 2018</i>                                                                                           | <i>07.03.18</i>           |
| 18. | <b>Commerce</b>     | <i>UNION BUDGET 2017-2018</i>                                                                                                          | <i>09/02/2017</i>         |
| 19. |                     | <i>Manuscript magazine PADAMUDRAKAL</i>                                                                                                | <i>12/12/ 17</i>          |
| 20. |                     | <i>Entrepreneurship Development Prospects in Kerala</i>                                                                                | <i>15/09/2017</i>         |

|     |                    |                                                                                |                                        |
|-----|--------------------|--------------------------------------------------------------------------------|----------------------------------------|
| 21. |                    | STATE INITIATIVES<br>ON<br>ENTREPRENEURSHIP DEVELOPMENT”                       | 2018<br>March 23                       |
| 22. |                    | ONE DAY NATIONAL<br>SEMINAR ON<br>GOODS AND<br>SERVICE TAX                     | 09 October<br>2017                     |
| 23. | <b>Physics</b>     | Science Day<br>Celebrations 2018                                               | 23/02/2018<br>26/02/2018<br>28/02/2018 |
| 24. | <b>Botany</b>      | World Environment<br>Day                                                       | June 5th                               |
| 25. |                    | Wet land day.                                                                  | February<br>2nd 2018                   |
| 26. |                    | WORLD OZONE DAY<br>CELEBRATIONS<br>2017                                        | 20/09/2017                             |
| 27. |                    | World Forestry Day                                                             | 20th &<br>21st<br>March<br>2018        |
| 28. | <b>Malayalam</b>   | Ramayana<br>Dinacharanam                                                       | 18/08/17                               |
| 29. |                    | ‘Vriksha Pooja’ on<br>world environmental<br>day                               | 05-06-17                               |
| 30. |                    | Kerala Piravi Day<br>Celebrations                                              | 01/11/17                               |
| 31. | <b>Mathematics</b> | Manuscript magazine<br>of Department of<br>Mathematics “Math<br>World 2017”    | October<br>10th 2017,                  |
| 32. |                    | Seminar on<br>‘Applications of<br>Mathematics in<br>Science and<br>Technology’ | 25th<br>October<br>2017                |
| 33. |                    | National Mathematics<br>Day                                                    | 21 <sup>st</sup><br>December<br>2017   |
| 34. |                    | A seminar on ‘New<br>trends in Statistics’<br>was conducted                    | 22nd<br>December<br>2017               |

|     |                            |                                                                      |                                       |
|-----|----------------------------|----------------------------------------------------------------------|---------------------------------------|
| 35. |                            | <i>Pi Day Celebrations</i>                                           | <i>14th<br/>March<br/>2017.</i>       |
| 36. |                            | <i>Merit Day<br/>Celebrations</i>                                    | <i>23<sup>rd</sup> March<br/>2017</i> |
| 37. | <b><i>History</i></b>      | <i>One day seminar<br/>on National<br/>Movement in<br/>Kerala on</i> | <i>05/10/201<br/>7</i>                |
| 38. | <b><i>Women's cell</i></b> | <i>Women's Day<br/>Celebrations</i>                                  | <i>03/03/201<br/>8</i>                |
| 39. | <b><i>NSS/NCC</i></b>      | <i>World<br/>Environmental<br/>Day<br/>Celebrations</i>              | <i>05/06/17</i>                       |
| 40. |                            | <i>International Yoga<br/>Day</i>                                    | <i>June 26,<br/>2017</i>              |
| 41. |                            | <i>Antiliquor and<br/>anti-drug day on</i>                           | <i>March 20</i>                       |

# Activity report 2017-2018

IQAC conducted profile presentation of Nobel Laureates 2017 on  
12/10/2018



IQAC conducted an interaction program with **Dr. Simon Thattail, Former director ,IQAC University of Kerala** on 09/10/2017



# Department of Mathematics Activity report 2017-2018

## Manuscript Magazine Release

On October 10<sup>th</sup> 2017, the Principal Dr Madhusoodanan Pillai K R released the **Manuscript magazine** of Department of Mathematics “**Math World 2017**” Volume 8 at the seminar hall . The copy was received by the Chairperson Ms Aparna S I.



## Seminar on Applications of Mathematics in Science and Technology



**Department of Mathematics**  
**NSS College, Nilamel**  
Mathematics Quiz Competition  
On 25/10/2017



## A large group of students and faculty members, approximately 50 people in total, are posing for a group photo in front of a traditional Indian building. The building features a prominent balcony with ornate pillars and a colorful facade. The group is arranged in several rows, with some individuals standing and others sitting or kneeling in the front. They are dressed in a mix of casual and traditional Indian attire. The setting appears to be a campus or a school grounds.

# National Mathematics day Celebrations 2017

- **Inter departmental quiz competition** on . 21<sup>st</sup> December 2017
- Seminar on ‘**New trends in Statistics**’ was conducted on 22<sup>nd</sup> December 2017
- A Film show ‘**The man who knew infinity**’



## Pi Day Celebrations 2017

Pi Day was celebrated on 14<sup>th</sup> March 2017. The Principal in charge Dr R Ambikadevi was inaugurated the programme. In connection with Pi day department of Mathematics organizes Poster presentation, exhibition and puzzles.



## Merit Day 2017 -2018

A meeting is arranged to facilitate the toppers of the University exam April 2017 on 23<sup>rd</sup> March 2018.

Head of the department Dr Beena S distributed the cash awards.



# Department of Physics Activity report 2017-2018

## Space week celebrations 2017

In association with Science club organized Space week celebrations 2017 on 17/10/2017 . Competitions were conducted on 13/10/2017. Formal inauguration of NSD 2018 was done by our Principal Dr. K. Madhukumar on 13/10/2017 at 10.00 am in the college seminar hall.

**Resource person :** K Radhakrishna Kurup , Assocoate professor(Retired)N.S.S College,Pandalam

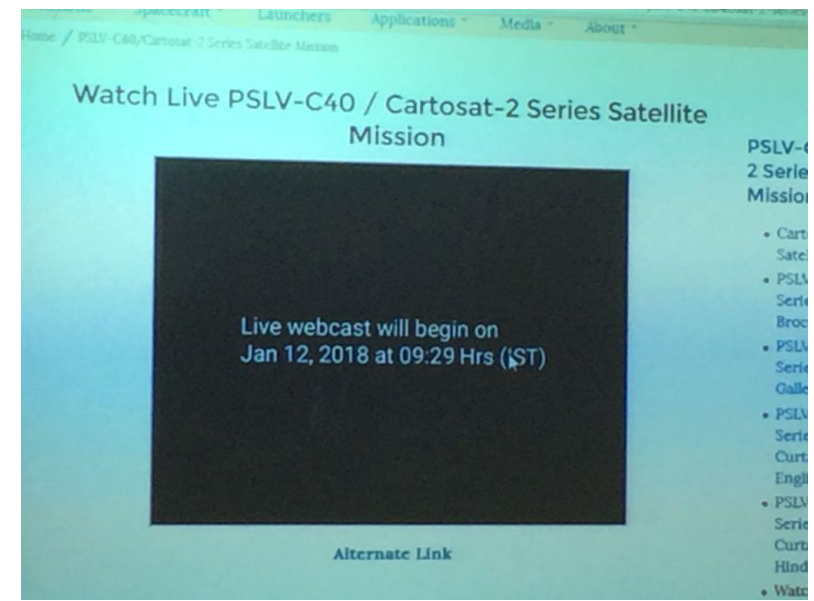


## Science Day Celebrations 2018

In association with Science club organized National Science Day celebrations 2018 on 23/02/2018, 26/02/2018 and 28/02/2018. Competitions were conducted on 23/02/2018. Formal inauguration of NSD 2018 was done by our Principal Dr. K. Madhukumar on 26/02/2018 at 10.00 am in the college seminar hall. The celebrations were end on 28/02/2018 with a **Kadhaprasangam “Einsten evide geevichirunnu”**by **Dr.Vasanthakumar Sambhasivan, .**



# Live show of PSLV-C40 series satellite



# Department of chemistry Activity report 2017-2018

## World Environmental day celebrations

: Planting sapling on 5/06/2017



## Ozone day celebrations 2017

: Interdepartmental poster presentation of “*save ozone*” on 18/9/2017



**International Mole Day** is celebrated as **Chemistry Week** from 23/10/2017-28/10/2017.

- Interdepartmental power point presentation competition,
- Quiz competition,
- poster presentation
- Interdepartmental seminar competition
- Celebration of mole Day

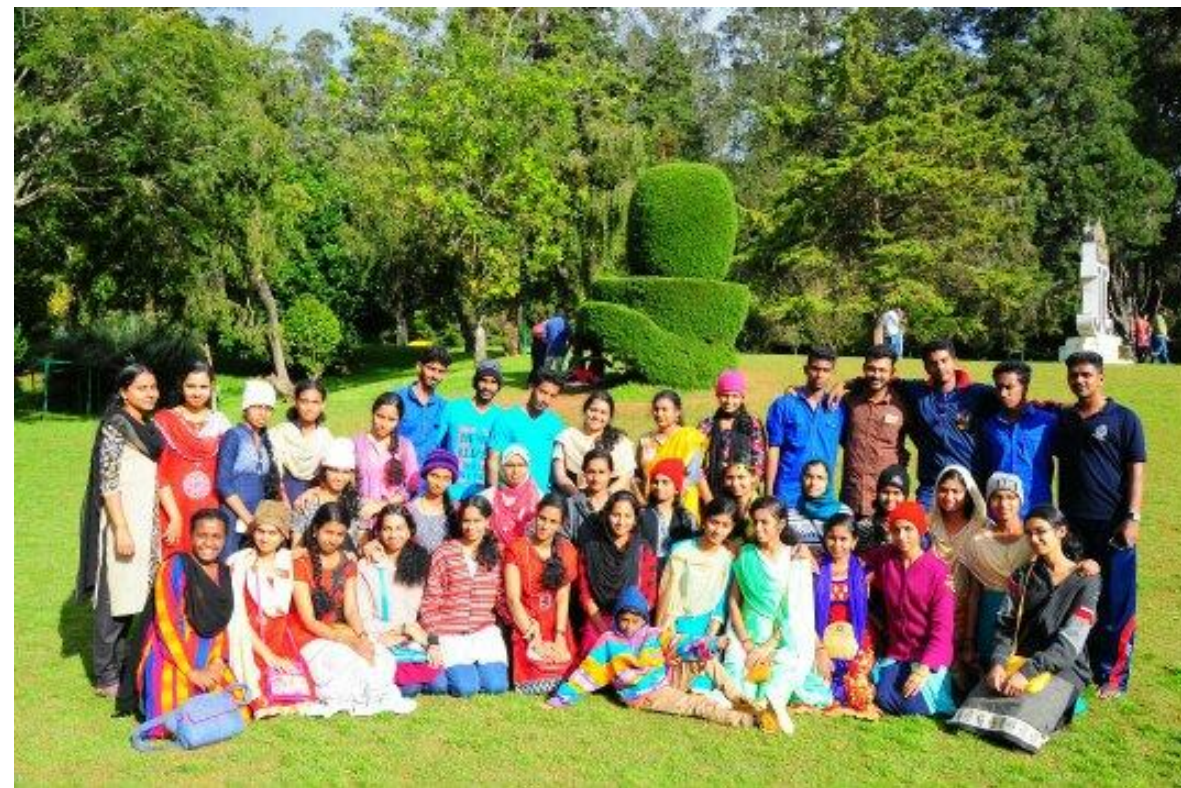


Seminar on “***Group Theory and its applications*** “on 20/11/2018

**Resource person** : Dr. Manohar. D. Mullassery, Assistant Professor, Department of chemistry, FMNC Kollam



Curriculum **industrial visit** (KMML Kollam) and study tour was conducted for S6 BSc students on 6/11/2017 to 10/11/2017.



## Department of BioChemistry – Activity Report - 2017-2018

### Field visit

All students of Dept. of Biochemistry visited Tropical Botanical Garden and research Institute (TBGRI, Palode) on 30<sup>th</sup> October 2017 to familiarize with various biochemical techniques



### Merit day 2017-2018



A PTA meeting is arranged to felicitate meritorious students who secured I, III and IV ranks in **Kerala University examinations** March 2017 on 03<sup>rd</sup> November 2017.

# A seminar on “**Communicable Diseases**” in connection with Malaria Eradication Programme, CHC, Nilamel On 20<sup>th</sup> December 2017

Resource persons :Mr.Baburaj, Senior Health Inspector CHC, Nilamel

Mr.Rajendra Prasad, Health Inspector CHC, Nilamel

Topics- “Different types of fever & “Symptoms, Diagnosis and prevention of communicable diseases”.



As part of the extension activity “**BIOSPARK 2018**” at Govt. UPS, Chadayamangalam.

Activities:

**Awariness classes on**

Personal Hygiene

Food adultration

Communicable Disease

**Exhibition on Blood cells**

Organ Systems

Transformation to Cancer cells

Vitamins and Balanced diet

**Quiz programme**

**A short film on “Suchithuvam (Cleanliness)”:**



“Health Quiz” to the students of various departments, NSS College, Nilamel on 12<sup>th</sup> January 2018.



Students of Physics & Economics secured I place, Botany & Chemistry secured II prize and English secured III place.



**“Friday Clinic”** for the analysis of blood samples on 12<sup>th</sup> January 2018



**“ELYSIAN”** a science magazine prepared by I semester Biochemistry students is published on 19<sup>th</sup> March 2018.



In association with Community Health club A seminar on “**Diet for Teens**” on 19<sup>th</sup> March 2018

**Resource person :** Dr. SAMEERA, Lecturer in Home Science, KILA Centre for Socio-economic Development, Kottarakkara

Interaction with Doctor : “**Talk to Doctor**” by Dr. Maneesh Mohan R, Assistant Surgeon, Public Health Centre, Nilamel.



# Department of Zoology report of activities 2017-18

## INTERNATIONAL OZONE DAY CELEBRATIONS - 2017

International ozone day was celebrated by the Department of Zoology. This was organized by the financial support of Kerala state committee for science technology and environment, Govt. of Kerala. The theme for this year was “Caring for all life under the sun”. It was organized as a three day programme.

### One day seminar (25-09-2017)

The programme was inaugurated by **Prof.E. Kunhikrishnan, Associate Professor & HoD (Rtd) Zoology, University college, Thiruvananthapuram**. In his inaugural address, he asked the students to engage in conservation activities and take necessary steps to protect and preserve the environment. Key note address was delivered by Prof.E. Kunhikrishnan. The topic of discussion was **Conservation of biodiversity of Western Ghats- issues and challenges**. He gave an elaborate description about the historical perspective on the biodiversity and ecology of Western Ghats, which is one of the hottest biodiversity hotspots in world. It was an interactive session which was highly informative.



# Wild life week celebrations on 6-10-2017

A seminar “**Environmental issues that are challenges to living**” on 9-10-2017.

**Resource person** : Dr.C. Jayakumar, Trust member ,  
Thanal

**Film show** : Climate change was also done after the presentation..



As the wild life week fall was on the first week of October and the theme of ozone day celebrations focus on biodiversity conservation, we decided to organize an interdepartmental quiz programme on 6-10-2017, in association with WWF-India, Kerala. The quiz masters were the volunteers of WWF Mr. Govind and Miss. Shameena. 11 teams participated from different departments. After the preliminary round, only 5 teams qualified named as Gorilla, Oranguttan, Chimpanzee, Bonobo and human. First prize was won by dept. of English, second by History and third by Maths.



# Energy conservation Day celebrations 2017 -Urjakiran

## RALLY on 14/12/2017

Energy conservation rally was organized by the Department of zoology on 14/12/2017. Our principal, Dr. Madhusoodan pillai delivered the message on energy conservation. Mrs. Selina.S, Block member Standing committee (Development), Nilamel panchayath was the chief guest who flagged off the rally. 130 students from different departments participated in the programme

## Awareness programme on 6/3/2018

An one day seminar on energy conservation was organized on 6/3/18. Two sessions were organized. One was lead by Mr. Sheriff. Resource person, Energy management Centre. The second sessions were lead by Mr. Nizar, Electrical Engineer, Venjaramoodu division



## Merit day 2018 on 22-3-2018

Merit day was held on 2/3/2018. Our beloved sir Dr. Vattavila Vijayakumar was felicitated in the function on account of the release of his third book- Odambal. Dr. Deepasri, who secured Ph.D during 2017 was also honored. This is followed by the felicitation of Kum. Shahana who secured third rank in University of Kerala examinations. Five students who secured “A” grade were also felicitated. Rajesh.R, who got selection to Kerala University team for base ball and Anakha nandanan who got selection in national base ball and softball championship were also felicitated. Smt. Keralakumari teacher, ward member was the chief guest. The meeting was presided over by Principal Dr. Madusoodanapilai..K.R.



## Invited talk on mental health on 22-3-18

An invited talk on mental health was organized . The talk was lead by **Dr.Mridula Nair, Principal, AKMAS College, Kollam** the students enjoyed the whole session the session was very useful in their day to day life



## **World wetlands day celebrations 2018**

The programme was organized on 23-02-2018, by the financial support of KSCSTE, Govt. Of Kerala. The welcome speech was by Principal Dr. Madusoodanapilai .K.R. According to him, the students should develop proper understanding about the concepts and principles of nature. Students must be made aware about the values of wetland for humanity and the whole planet. The programme was inaugurated by Dr. A.Krishnakumar, Scientist, National centre for earth sciences, Akulam. The key note address was done on the topic wetlands- emerging concerns and environmental management. He elaborated the importance of wetlands, major wetlands, cause of destruction and conservation measures. He also gave a brief outline of the activities of NCESS in the field of wetland conservation.

# Department of Economics Activity report 2017-2018

- Class wise debate on GST and its implications on Kerala Economy on 10.10.2017. The debate was executed by Dr.Maneesh . The entire class were actively participated in the programme and expressed their own views regarding the topic and its future implications in Kerala Economy.



- Seminar on **Research Methodology** on 11.01.2018

**Resource person** : Dr.Suresh Kumar.S, Documentalist, Population Research Centre University of Kerala.

He has explained the relevance and importance of social science research, sampling techniques and the interpretation of data for social science students.



- Class wise debate on **Union and State Budget 2018** on 07.03.2018. The debate was executed by the faculties of Economics. The entire class were actively participated in the programme and expressed their own views regarding the topic and its future implications in Kerala Economy.



- One day **Industrial Visit** for Final Year BA students as the part of curriculum on Indian Economy on 15.3.2018. As the part of community development programme students visited the Industry and became a new experience for them.



# Department. of History Activity 2017-2018

In association with **Chettur Sankaran Nair Foundation** the dept. organised the Chettur Sankaran Nair Memorial Address and a one day seminar on National Movement in Kerala on 05/10/2017 in the College Auditorium. **Dr.D. Babu Paul, Former Adl Chief Secretary, Govt. of Kerala**, delivered the Chettur Sankaran Nair Memorial Address.

## **First session**

Resource person :Prof. K. Gopalankutty, Formerly Head of the Dept of History, University of Calicut

Topic : National Movement in Malabar ,

Second session :Dr. B.Sobhanan, Formerly Head of the Dept of History, University of Kerala

Topic : National Movement in Cochin

## Third session

Resource person :Dr. S.Ramachandran Nair, Formerly Head of the Dept of History, Sree Sankaracharya University of Sanskrit, Kalady

Topic : National Movement in Travancore)



In Association with **Department of Malayalam Kerala Folk Lore Academy** organized a folk song performance and an archaeological exhibition on 23 October 2017.



**Study tour on 13/01/2018 to  
15/01/2018**

## Endowment lectures 2017-2018

Distribution of endowments : toppers of the final year university examinations of the year in the memory of Prof. Gopakumaran Nair Memorial Address (Former Head of the Dept.)

**Career Orientation lecture** : Dr. P S Pratheep, Head of the PG Dept. of History, Catholicate College, Pathanamthitta on 21/03/2018



# Department of Botany, Activity Report 2017-18

In association with Kerala State Council for Science Technology & Environment (KSCSTE) World **Environment Day celebrations 2017** (one week programmes ) on 05/06/2017,06/06/2017 ,07/06/2017 and 08/06/2017

## Planting of Saplings



## Quiz Competition



## Seminar on



## Campus cleaning & Film Show

Campus cleaning was conducted on June 8th. In the afternoon session students from our department collected all the wastes from the campus and separated them into degradable and nondegradable waste. The degradable waste was dumped in the compost pit and the non degradable waste was given to the scrap buyers for recycling. After this, a film show was conducted in Botany lab about environmental issues



## Creating Awareness about medicinal plants to local people

An awareness programme on conserving medicinal plants was conducted on June 7th. Students visited the houses of nearby areas of our college. They introduced the importance of medicinal plants growing in their premises. Students discussed with them Local name, medicinal properties, morphology of useful part, conservation of the plant etc. Some of the plants were *Cynodon dactylon* (Karuka), *Aerva lanata* (Cherula), *Evolvulus ulsinoides* (Vishnukranthi), *Vernonia cineria* (Poovamkurunnila), *Emilia sonchifolia* (Muyalchevian), *Ocimum sanctum* (Thulsi), *Gloriosa superba* (Menthonni), etc.

## **PAARISTHIKAM 2017**

**“Paaristhikam 2017”** is a programme of State Environmental Awareness by Government of Kerala through the Department of Environment & Climate change. The focal theme adopted for this year was Connecting People to Nature. The following are the programmes conducted by the Department of Botany, NSS College, Nilamel.

- **World ozone day celebrations 2017**
- **One day nature awareness camp**
- **Organic vegetable farm planting inauguration**
- **Workshop on organic vegetable farming**
- **Know our plants campaign**
- **Interaction With Agriculturists**
- **Rain water harvesting – Mazhakkuzhi**
- **Azolla cultivation in the college campus**
- **Dasapushpam garden in the campus**
- **Dasamoolam garden in the campus**
- **Biodiversity park**
- **Waste management**
- **Medicinal garden**
- **Harvesting of vegetables from organic farm**



## WORLD OZONE DAY CELEBRATIONS 2017

In Association with Department of Environment and Climate change, Government of Kerala, ozone celebrations was conducted on 20/09/2017

**Resource person :** Mr Bosco Lawrence, Assistant Professor, Department of Botany and Biotechnology, Govt. Arts College, Trivandrum.

**Student presentation:** Importance of ozone and its conservation.

**Planting of saplings:** Ozone releasing plants like Thulsi, Banyan tree, S ansiveria etc



## **Plant Sapling :Ozone releasing plants like Thulsi, Banyan tree, Sansiveria etc.**



## ONE DAY NATURE AWARENESS CAMP

In association with Social Forestry Extension Unit, Kollam organized One Day Nature Awareness Camp on 22nd September 2017

**Resource persons:** Mr Kanakaraj, Section forest officer, Social Forestry Extension unit,  
Dr Anil Kumar, Assistant Professor, Department of Botany, SN College, Chemphazhnanthy

**Film Show :**Periyar’ and ‘Jalam Jeevamritham



## ORGANIC VEGETABLE FARM PLANTING INAUGURATION

Organic vegetable farming inaugurated the programme by planting the saplings by teachers and students on 04/10/2017.



## WORKSHOP ON ORGANIC VEGETABLE FARMING

In association with **Department of Environment & Climate Change, Govt. of Kerala** had organized a workshop on Organic Vegetable Farming on 03/11/2017. **Mr Binu Kumar** was honoured for being the Best Farmer in Nagaroor Panchayath. The technical session was handled by **Smt. Sabitha S R, Agricultural Officer, Pazhayakunnumel**. Teachers, students and members of Sreelekshmi Kudumbasree unit, Nilamel participated in the function. After the programme, vegetable saplings were distributed to students and kudumbasree unit members.



## Know our plants campaign

Know our plants campaign is being conducted by the Department of Botany to provide knowledge about locally available plants. Students collected flowering twigs from the College campus and identify their botanical name and family and displayed in our wall magazine “Tharangam”. The main objectives of the programme are:

- To know their botanical name and family.
- Knowledge about different species of plants
- Morphology of useful parts.
- Their uses and need for conservation.



## Interaction with Agriculturists



## RAIN WATER HARVESTING – MAZHAKKUZHI

There are good opportunities for rain water harvesting in Kerala because Kerala is located in a geographical area with two rainy seasons. Kerala faces water scarcity between February and May every year. Our College campus especially Nilamel Panchayath also experiences severe water scarcity during the dry months. During the summer months, water for various purposes was unavailable from the different water resources. As a small solution to this problem, Department of Botany constructed Mazhakuzhi in our College campus. It is very simple and affordable process



## AZOLLA CULTIVATION IN THE COLLEGE CAMPUS

Azolla is an aquatic fern also called Mosquito fern, Duck weed fern. It has short, branched, floating stem bearing roots which hang down in water. It is an excellent alternate feed supplement for livestock, poultry and fish. It has the capacity to fix nitrogen in the rice crop fields. Therefore it is used as a common biofertilizer and green manure in rice field. This is a boon for dairy farmers because it drastically reduces the feed cost and results in increased milk production. It possesses high protein content, amino acids, vitamins and minerals. It is used as a green manure. When used for mulching purposes, it can reduce water evaporation rate from the irrigated rice field.



## DASAPUSHPAM GARDEN IN THE CAMPUS

**Dasapushpam** garden aims at the morphological studies and medicinal applications of ten medicinal plants known as Dasapushpangal. Dasapushpam denotes ten sacred flowers of Kerala. These ten herbs are traditionally significant to Keralites.



**Dasamoolam** is a combination of ten medicinal plants of which principally roots are employed in compounding ayurvedic formulations. Each of the plant is endowed with incredible medicinal properties and they act synergistically in combination

## BIODIVERSITY PARK



Based on the theme “**Connecting people to Nature**”, Department of Botany introduced a Biodiversity Park. The vision of this park is to conserve and enhance local bio diversity. In order to conduct awareness programmes on environment and biodiversity conservation, we planted herbs, shrubs etc.

## WASTE MANAGEMENT

With smart initiatives like “**Think Green Campus Model**”, waste management is helping Colleges and other institutions a higher level of environmental performance. Main objectives of the waste management are:

- Contribution to the overall sustainability of the campus.
- Improvement of waste management in the campus.
- Increased recycling levels and reduction of organic wastes in landfills.
- Obtaining a quality compost to be used as an organic amendment that contributes to improve soil fertility



# MEDICINAL GARDEN

The initiative of Medicinal garden by planting 15 medicinal saplings in garden. A single plant contains widely diverse phytochemicals, the effort of using a whole plant as medicine is uncertain. Hence we had initiated

**The main objectives of this programme are:**

- To encourage and assist students and affiliate with them in the promotion of conservation, utilization and development of medicinal plants in their locality.
- Promotion of insitu and exsitu conservation, utilization and development of medicinal plants.
- To encourage the students to use herbs in food.



## HARVESTING OF VEGETABLES FROM ORGANIC FARM

Department of Botany organized “Harvesting Festival” from the vegetable farm. Students, Teachers, Principal, , IQAC Convenor, and Council Secretary are participated in this programme. Principal Dr Madhusudanan Pillai inaugurated the programme. It was followed by teachers and students plucking the vegetables from the farm. We harvested Pea, Brinjal, Ladies finger, Amaranthus, Chilli, Cucumber, etc from the farm. The harvested vegetables were sold in an auction held at the College premises. The auction amount would be used for charity purposes.



## **Biodiversity club Activity report**

Department of Botany, N.S.S College, Nilamel started Biodiversity club , registered under **Kerala Biodiversity Board** started functioning in 2017-18. About 90 students had registered in the club.

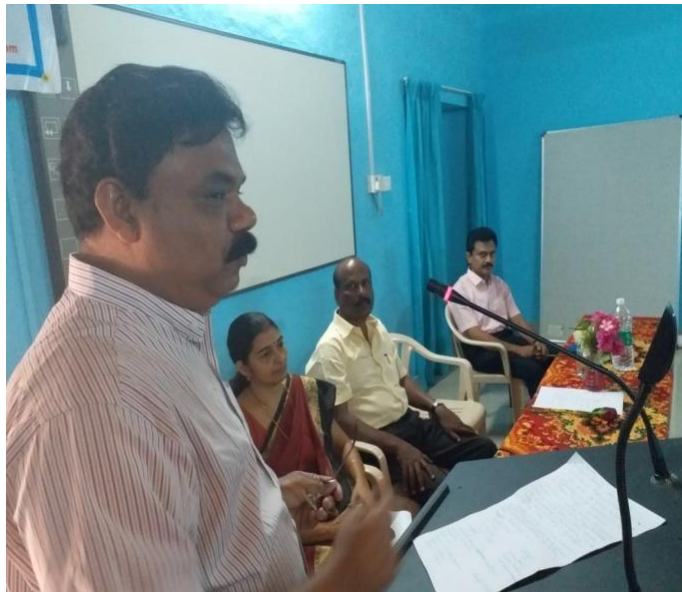
The following are the different activities done by the club during the year 2017-18

- Inauguration of Biodiversity club
- Seminar on “protection & conservation of Biodiversity”
- Preparation of Campus Biodiversity register
- Celebrating wet land day on February 2nd 2018.
- Quiz competition
- Documentary show about different wetlands of Kerala
- Name board was placed near the gate displayed the details of Biodiversity club

### Training programme

- Purchase of the following books to our library from state Biodiversity Board .
- Mushrooms of Kerala
- Hand Book on Mangroves and Mangrove associates of Kerala
- Kerala thilashadha sasya vividhyam
- Jaivakrishi oru prayogika padam
- Parishithi vigjanavum jaiva vividhya nattarivum
- Invasive plants of Kerala
- Common trees of Kerala

# BIODIVERSITY CLUB



## Biodiversity Register

The students and teachers of Biodiversity club decided to prepare Campus Biodiversity Register. The register shall contain comprehensive information on availability and knowledge of local biological resources, the medicinal or any other use or any other traditional knowledge associated with them.



**Study tour for the 5th sem on  
18/2/2018- 22/2/2018 .**



- **Forestry day celebration 2018 on 21/03/2018**

A seminar on “Role of agroforestry in forest conservation.”

**Resource person :** Ms.Sudha Gouri Lakshmi (Eco-tourism program officer, Shendurney wild life sanctuary, Thenmala).

**Documentary film show : ”Idukki’s climate change”**

**Campus cleaning**



## Department of English Activity report 2017-2018

- As part of World Book and Copyright Day (April 23<sup>rd</sup>), the Library of N.S.S. College, Nilamel, in conjunction with the English Department, had held a '**Read a Book**' session/competition under the aegis of the Principal, N.S.S. College, Nilamel – Dr. Shri. Madhusudanan Pillai.K.R.; wherein the competing students were expected to read any book of their choice and give a summary description of the same to other students in July, 2017. From amongst the English Literature students, Mr. Anandhu. S, who had read '*Sons & Lovers*' by D.H. Lawrence and Miss. Arya Anil Kumar, who read '*Portrait of Artist as a Young Man*' by James Joyce came in for special mention and the former was declared the winner and duly felicitated with a prize on College Day, the 16<sup>th</sup> of March, 2018.
- A Seminar on "**Research Methodology**" was conducted by faculty from St. John's College, Anchal, **Dr. Shri. Sooraj Kumar**, Assistant Professor, English; on 26.03.2018; where in a discussion on methodology utilized in the preparation of class projects and guidelines for the same; towards a deeper understanding and particularly tailored for the students of English Literature was undertaken. At the conclusion of the said class, students expressed a much clearer comprehension of what exactly was expected of them through class projects and assignments and hoped to achieve higher standards in future.



## Department of Malayalam Activity report 2017-2018

- Environment day was celebrated on **5<sup>th</sup> june 2017** on behalf of the department of Malayalam by honouring “Muthassi mavu” conducted ‘Vriksha Pooja’ on world environmental day
- “Ramayana Dinacharanam” commemorating Ramayana Day on 11 August 2018 , renowned young poet Sumesh Krishnan gave the Keynote address
- Folklore club is a joint initiative of Malayalam and History Department organized Folk food Fest , folk songs And an exhibition of folk instruments was inaugurated Folklore Academy Chairman Shri. C.J. Kuttappan on 11 October 2018 .



- Commemorating Kerala Piravi by conducting . Principal inaugurated the recitation and Elocution competition a part of kerala piravi.
- Endowment lectures of Dr. R. Manoj on November 15:

**Resource person :Dr.P. K. Rajasekharan**



# Department of Commerce activities Report - 2017-2018

Seminar on “**Union budget in the context of demonetization** “. on 09-02-2017, 10:30 at college seminar hall.

**Resource person** :Dr. KC Baiju, Dean, Scholl of Global Studies, Central University of Kerala.



## Entrepreneurship Development Club Activity report 2017-2018

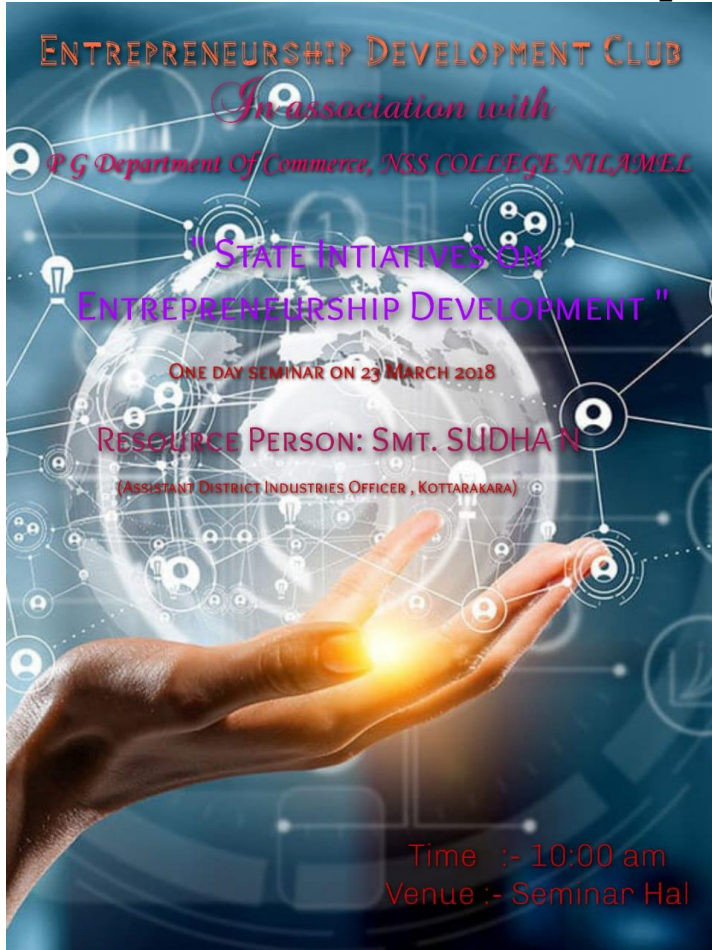
In Association with organized a one day seminar on “Entrepreneurship Development Prospects in Kerala” on **15<sup>th</sup> Sep 2017** at the college auditorium



# Seminar on “State Initiatives on Entrepreneurship Development”

**Resource person** :Sri. Biju T S, Industries Extension Officer, Kottarakara Block

**Interaction with A Successful Entrepreneur**



Interactive session with Smt. Shyla Basheer. Dedication and willpower of women was her success for achievement. The students were enthusiastic to know about the various aspects of agriculture.

# Report of community health club Activity report 2017-2018

An awareness class on “**lifestyle diseases**” handled by Dr. Anila L (Convenor-Community Health Club), Asst. Professor, Department of Biochemistry, NSS College



A seminar on “**Communicable Diseases**” was conducted in association with CMC, Nilamel. In the seminar Mr. Babu Raj discussed “**Different types of fever**” and Mr. Rajendraprasad talked on “symptoms, Diagnosis and Prevention of Communicable diseases



## REPORT OF WOMEN'S FORUM 2017-2018

A brief report of the function held at 10. 00 a.m on 8-03- 2018 under the auspice of the women's forum attached to the NSS College, Nilamel.

The meeting started with a prayer and Acharyanusmaranam. After that a welcome speech was given by Dr. B. R. Sreeja, the convenor of Women's forum. In her speech she welcomed The principal Dr. K. R. Madhusudhanan Pillai, Chief Guest Dr. S. Chithra IAS, Sub-collector, Kollam, College council secretary Dr. R. Ambika Devi, IQAC convenor Dr. S. Beena, PTA secretary Shri. Syam Kumar, Office Supdt. Shri. G. Gopakumar, Union Chairperson Kum. Aparna, and all the teaching and non-teaching staffs and students to the programme. Presidential address was delivered by the Principal. He mentioned the need of empowerment of women in modern society by all means.

**Dr. Chithra IAS** inaugurated the function by lighting the lamp. She boosted all the audience with valuable and motivating words. She told her own experience in life as a girl, as a woman and as an IAS officer. After her inaugural address she honoured the teachers who were awarded Ph D degree in Physics and Zoology by giving mementoes



The Second session started at 12.30 p.m. with an invited talk by Smt. Nanda, Psychiatric Social Worker, Govt. Mental Hospital Trivandrum. She interacted with the students and cleared their doubts through various examples. The talk ended at 3. 30 p.m with the vote of thanks by Ms. Soumya. The function was a complete success with co-operation of all the teachers, committee members, non-teaching staffs and students

